

Parts Catalog 2016

A PATRIOT FAMILY PORTRAIT

SPRAYER MODEL	ENGINE HP	TANK CAPACITY GAL (L)
4440	335	1,200 gallons (4,542 L)
3340	285	1,000 gallons (3,785 L)
3240	250	800 gallons (3,028 L)
2250	175	660 gallons (2,500 L)



TITAN / NEW LEADER



A TITAN FAMILY PORTRAIT

FLOATER MODEL	ENGINE HP
4540	410
4040	340
3540	410
3040	340



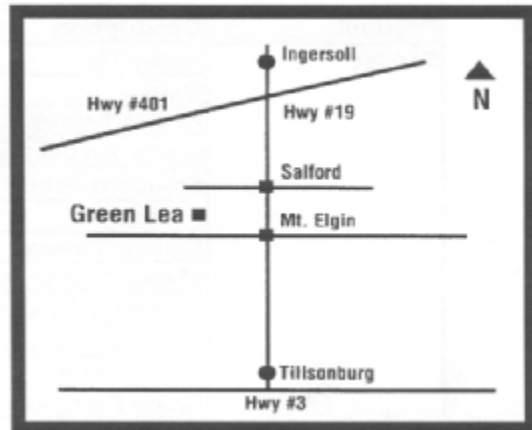


GREEN LEA

AG CENTER INC.
YOUR FERTILIZER AND APPLICATION EQUIPMENT SPECIALISTS

R.R. 2, 324055 Mt. Elgin Road
Mount Elgin, Ontario
NOJ 1N0

Phone: (519) 485-6861
Fax: (519) 485-4694
Toll Free: 1 (800) 661-5019
Email: parts@greenlea.net
Internet: www.greenlea.net



Terms and Conditions

1. Payment due on receipt of or as stated on invoice
2. Overdue accounts will be subject to 2% per month service charge.
3. A signature on the invoice, bill of lading or acceptance of further credit is an acknowledgement of receipt and acceptance of all previously shipped goods and services
4. Accounts shall be established after credit verification
5. All parts and equipment will be shipped courier or common carrier
6. All prices shown are F.O.B. Mt. Elgin
7. Prices are subject to change without notice

Claims and Shortages

Inspect shipment immediately, note shortages or conditions on carriers receipt and make claim on the carrier immediately. Please advise immediately if duplicate shipment is necessary. We are not responsible for delivery if prevented by strike, accident or disaster.

Returned Goods Policy

1. Authorization is required prior to parts being returned
2. Goods returned for credit must be freight prepaid
3. Copy of invoice must accompany return
4. Goods must be returned within 30 days of purchase
5. All returned goods subject to a 20% restocking charge
6. No returns allowed on special order items

General

1. Our liability for defective material is limited to the value of the material only
2. Special orders are not subject to cancellation without our consent
3. We reserve the right to make substitutions providing price and quality are maintained

We accept Visa and Mastercard



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WIRED**CabCAM™****Camera
Observation Systems****A-CC7M1C CabCAM™****Camera Observation System****Wired system with unlimited applications!****Includes:****(1) 1/3" CCD Weatherproof Color Camera***Infrared Illuminators allow up to 32 feet of night visibility, image mirroring function, made to withstand off-road conditions, audio capabilities***7" TFT LCD Color Monitor***Embedded control box for direct power input for cameras, AV1, AV2, and AV3 video inputs allow hook-up of up to three cameras, color LCD screen, power indicator, remote receiving window, POWER button, MENU button, brightness buttons, channel selection, AV1/AV2/AV3 SHIFT button, DVD input, loudspeaker, support attaching slot, power supply terminal, automatic back-light switch, manual mirroring switch for all cameras***Accessories***Av Conversion Cable Ball Swivel Mounting Bracket with Mounting Pad, Stationary Mounting Bracket with Thumb Screws, 13 Pin Wire Harness, Full-Featured Remote Control, Backshield, Cigarette-Lighter Power Adapter, Sunshield, AC Power Adapter, 65' & 20' Weatherproof Video Cables**The A-CC7M1C system can be expanded to support up to three cameras.***A-WL56M2C WiRELESS CabCAM™****Camera Observation System****200 yard barrier-free transmission range!****Includes:****(2) 1/3" CCD Weatherproof Color Camera***One Channel 3 and one Channel 4 camera. Infrared illuminators allow up to 32 feet of night visibility, image mirroring function, made to withstand off-road conditions, audio capabilities. Each camera has an antenna and power supply jack. Cameras require 12V power source***5.6" TFT LCD Wide-Angle Color Monitor***High Resolution monitor with antenna. Four camera capability 2.4GHz wireless receiver with four channels. Supports 12V automotive battery.**The monitor includes: power indicator, remote receiving window, POWER button, MENU button, SEL button, channel selection, loudspeaker, support attaching slot, and power supply terminal.***Accessories***Base-Mounted Remote Antenna with 9.75' cord, ball Swivel Mounting Bracket with Mounting Pad, U-Support Mounting Bracket with Thumb Screws, 6 Pin Power Wire Harness with Jack for AC/Cigarette Lighter/DC Adapter, AC Power Adapter, Cigarette Lighter Power Adapter, (3) 3.25' DC Adapters, Sunshield, RAC Cable, Full-Featured Remote Control**The A-WL56M2C system can be expanded to support up to four cameras.***Antenna Note:** *Antennas need a line of sight with each other. In some cases, remote antenna A-ANT53 may be needed. This item can be added to the monitor or cameras.*

A-VS1C110 1/3" CCD 110° Color Camera

- For use with wired CabCAM™ systems
- Infrared illuminators allow up to 32' of night visibility
- Image mirroring function
- Weatherproof and constructed to withstand off-road conditions
- Audio capabilities
- 400 mA max power consumption

**A-SVC402 1/3" CCD 90° Color Camera**

- For use with wired CabCAM™ systems
- Contoured housing designed for side mounting, unlimited mounting possibilities
- Infrared illuminators allow up to 16' of night visibility
- Weatherproof and constructed to withstand off-road conditions
- Easy external angle adjustment, no disassembly required
- No Audio
- 200 mA max power consumption

**A-ASC635M 1/3" CCD 110° Auto Shutter Color Camera**

- For use with wired CabCAM™ systems
- Shutter is closed when not in use to keep free from debris
- Weatherproof and constructed to withstand off-road conditions
- 12 Infrared illuminators allow up to 32' of night visibility
- Auto heating when temperature is below 50° F or 10° C
- Image mirroring function
- Audio capabilities
- Camera must be powered by a constant secondary 12V source due to power consumption required by the shutter function
- 10' DC adapter wire included
- 450 mA max power consumption

**A-LPC634 1/4" CCD 180° License Plate Camera**

- For use with wired CabCAM™ systems
- Infrared illuminators allow up to 9' of night visibility
- Super wide angle (180°)
- Weatherproof construction
- Easy to install
- Slotted mounting holes adjust from 6 5/8" - 7 1/4"
- 180 mA max power consumption

**A-BWC86 1/3" CCD 110° Black & White Camera**

- For use with wired CabCAM™ systems
- Infrared illuminators allow up to 32' of night visibility
- Image mirroring function
- Weatherproof and constructed to withstand off-road conditions
- Audio capabilities
- 400 mA max power consumption

**A-CAM87 1/3" CCD 110° Color Camera**

- For use with wired CabCAM™ systems
- Infrared illuminators allow up to 16' of night visibility
- Image mirroring function
- Weatherproof and constructed to withstand off-road conditions
- Audio capabilities
- 300 mA max power consumption, Specifically tailored for Quad Systems



CabCAM™ Accessories & Expansion Kits

A-WCCH1 A-WCCH2

1/3" CCD 1100 Color Camera

A-WCCH3 A-WCCH4

WIRELESS

- For use with WIRELESS CabCAM™ systems
- Channel 1, Channel 2, Channel 3, and Channel 4 cameras for 4 channel systems
- Infrared illuminators allow up to 32' of night visibility
- Power supply jack
- 3' DC adapter wire included
- Weatherproof and constructed to withstand off-road conditions
- Audio capabilities
- 400 mA max power consumption



A-SCW401L1 A-SCW401R2

1/3" CMOS 110° Color Camera

WIRELESS

- For use with WIRELESS CabCAM™ systems
- Contoured housing designed for side mounting, unlimited mounting possibilities
- Channel 1 & Channel 2 cameras for 4 channel systems
- Infrared illuminators allow up to 16' of night visibility
- Weatherproof and constructed to withstand off-road conditions
- Day/night sensor for auto adjustment
- Adjustable lens angle (housing disassembly required)
- 3' DC adapter wire included
- No Audio
- 200 mA max power consumption



A-ANT53 WIRELESS Antenna

- For use with WIRELESS CabCAM™ systems
- 9.75' external cord
- 5dB

WIRELESS



A-AEC16 WIRELESS Antenna Ext. Cord

- For use with WIRELESS CabCAM™ systems
- 16'

WIRELESS



A-WA3 Standard WIRELESS Antenna

- For use with WIRELESS CabCAM™ systems
- Fits A-WCCH1, A-WCCH2, A-WCCH3, A-WCCH4 cameras
- Fits A-CWM56 monitor
- 4.5" long

WIRELESS



A-PVC20 Power Video Cable, 20'

- For use with wired CabCAM™ systems
- Used to connect camera to monitor
- Weatherproof
- 20' long



A-PVC65 Power Video Cable, 65'

- For use with wired CabCAM™ systems
- Used to connect camera to monitor
- Weatherproof
- 65' long



A-RCACABLE RCA Cable

- For use with wired CabCAM™ systems
- 4 Pin Male/RCA Male/Power
- Jack for AC adapter/cigarette lighter adapter to power camera
- Allows one camera to be hooked up to a TV/DVD/VCR or other recording device that has female RCA jacks



807-510

15 US Gallon Inductor Assembly with Venturi, Tank Rinse and Jug Rinse



This Inductor Includes:

- 2" Manifold Venturi System
- 2" Male Camlock Connections
- Can be Installed on Pressure Side of Pump
- Tank Rinse and Jug Rinse Systems Included
- Anti-Vortex to Prevent Swirl When Inducting Product
- Bypass Valve For Venturi When Not Inducting
- All Poly Fittings Are Banjo
- Other sizes also available, call for price

HANDLER CHEMICAL INDUCTORS



The Handler I

With a capacity of 15 US gallons, the Handler I-15 is the smallest Handler and is designed primarily for direct induction of chemical into sprayers. The Handler I is available as a freestanding unit (shown) or frame mount model and is a popular factory installed addition to some of the top sprayers on the market today.

Handler I -15 U.S. Gallons

Venturi Plumbing Package
Jug Puncture and Rinse System
Tank Rinse System
c/w 2" Banjo Flange Type Fittings

Part # 807600

HANDLER CHEMICAL INDUCTORS



The Handler II

With a capacity of 42 US gallons, the Handler II allows the user to directly induct chemical into the sprayer as you see fit. Plus its size and accurate calibration makes the Handler II the perfect unit for metering from bulk containers and barrels.

Handler II - 42 U.S. Gallons

Venturi Plumbing Package

Jug Puncture and Rinse System

Tank Rinse System

c/w 2" or 3" Banjo Flange Type Fittings

Part # 807601 (W/2" Plumbing) Part # 807615 (W/3" Plumbing)

HANDLER CHEMICAL INDUCTORS



The Handler III

The Handler III now comes standard with the innovative Banjo threadless manifold system. Easier assembly, fewer leaks, user-friendly options... you'll wonder why you ever used threaded fittings in the first place?

The 70-gallon capacity of the Handler III allows the user to directly induct chemical through a venturi while the sprayer is being filled. The Handler III is also used to meter from bulk containers and barrels, eliminating the need for slow and inaccurate flow meters. The Handler III is available with a pump mounting frame and comes with the RotoFlush tank rinse nozzles to prevent contamination of products.

Handler III - 70 U.S. Gallons

Venturi Plumbing Package
Jug Puncture and Rinse System
Roto Flush Tank Rinse Nozzle
c/w 2" or 3" Banjo Flange Type Fittings

Part# 807602

(Handler III W/3" Plumbing)

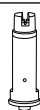
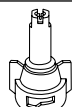
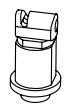
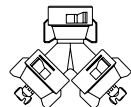
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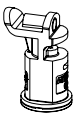
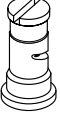
(Handler III W/2" Plumbing)

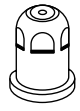
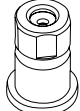
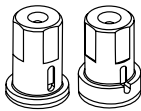


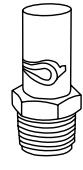
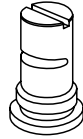
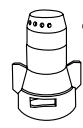
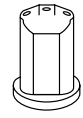
Teejet Generic Tip Selection Chart - 20" Nozzle Spacing

Tip No. (Strainer Screen Size)	Liquid Pressure in psi	Capacity 1 Nozzle in GPM	Capacity 1 Nozzle in oz./min.	Gallons Per Acre - 20" Nozzle Spacing															
				2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	10 mph	12 mph	14 mph	15 mph	16 mph	18 mph	20 mph	25 mph	30 mph
02 Yellow	15	0.12	15	17.8	11.9	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.4	2.2	2.0	1.8	1.4	1.2
	20	0.14	18	21	13.9	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.8	2.6	2.3	2.1	1.7	1.4
	25	0.16	20	24	15.8	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.2	3.0	2.6	2.4	1.9	1.6
	30	0.17	22	25	16.8	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.4	3.2	2.8	2.5	2.0	1.7
	35	0.19	24	28	18.8	14.1	11.3	9.4	8.1	7.1	5.6	4.7	4.0	3.8	3.5	3.1	2.8	2.3	1.9
	40	0.20	26	30	19.8	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	4.0	3.7	3.3	3.0	2.4	2.0
	50	0.22	28	33	22	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.4	4.1	3.6	3.3	2.6	2.2
	60	0.24	31	36	24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.8	4.5	4.0	3.6	2.9	2.4
	70	0.26	33	39	26	19.3	15.4	12.9	11.0	9.7	7.7	6.4	5.5	5.1	4.8	4.3	3.9	3.1	2.6
	75	0.27	35	40	27	20	16.0	13.4	11.5	10.0	8.0	6.7	5.7	5.3	5.0	4.5	4.0	3.2	2.7
	80	0.28	36	42	28	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.5	5.2	4.6	4.2	3.3	2.8
025 Violet	90	0.30	38	45	30	22	17.8	14.9	12.7	11.1	9.9	7.4	6.4	5.9	5.6	5.0	4.5	3.6	3.0
	100	0.32	41	48	32	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	6.3	5.9	5.3	4.8	3.8	3.2
	15	0.15	19	22	14.9	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	3.0	2.8	2.5	2.2	1.8	1.5
	20	0.18	23	27	17.8	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.6	3.3	3.0	2.7	2.1	1.8
	25	0.20	26	30	19.8	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	4.0	3.7	3.3	3.0	2.4	2.0
	30	0.22	28	33	22	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.4	4.1	3.6	3.3	2.6	2.2
	35	0.23	29	34	23	17.1	13.7	11.4	9.8	8.5	6.8	5.7	4.9	4.6	4.3	3.8	3.4	2.7	2.3
	40	0.25	32	37	25	18.6	14.9	12.4	10.6	9.3	7.4	6.2	5.3	5.0	4.6	4.1	3.7	3.0	2.5
	50	0.28	36	42	28	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.5	5.2	4.6	4.2	3.3	2.8
	60	0.31	40	46	31	23	18.4	15.3	13.2	11.5	9.2	7.7	6.6	6.1	5.8	5.1	4.6	3.7	3.1
	70	0.33	42	49	33	25	19.6	16.3	14.0	12.3	9.8	8.2	7.0	6.5	6.1	5.4	4.9	3.9	3.3
03 Blue	75	0.34	44	50	34	25	20	16.8	14.4	12.6	10.1	8.4	7.2	6.7	6.3	5.6	5.0	4.0	3.4
	80	0.35	45	52	35	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.9	6.5	5.8	5.2	4.2	3.5
	90	0.38	49	56	38	28	23	18.8	16.1	14.1	11.3	9.4	8.1	7.5	7.1	6.3	5.6	4.5	3.8
	100	0.40	51	59	40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.9	7.4	6.6	5.9	4.8	4.0
	15	0.18	23	27	17.8	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.6	3.3	3.0	2.7	2.1	1.8
	20	0.21	27	31	21	15.6	12.5	10.4	8.9	7.8	6.2	5.2	4.5	4.2	3.9	3.5	3.1	2.5	2.1
	25	0.24	31	36	24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.8	4.5	4.0	3.6	2.9	2.4
	30	0.26	33	39	26	19.3	15.4	12.9	11.0	9.7	7.7	6.4	5.5	5.1	4.8	4.3	3.9	3.1	2.6
	35	0.28	36	42	28	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.5	5.2	4.6	4.2	3.3	2.8
	40	0.30	38	45	30	22	17.8	14.9	12.7	11.1	9.9	7.4	6.4	5.9	5.6	5.0	4.5	3.6	3.0
	50	0.34	44	50	34	25	20	16.8	14.4	12.6	10.1	8.4	7.2	6.7	6.3	5.6	5.0	4.0	3.4
04 Red	60	0.37	47	55	37	27	22	18.3	15.7	13.7	11.0	9.2	7.8	7.3	6.9	6.1	5.5	4.4	3.7
	70	0.40	51	59	40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.9	7.4	6.6	5.9	4.8	4.0
	75	0.41	52	61	41	30	24	20	17.4	15.2	12.2	10.1	8.7	8.1	7.6	6.8	6.1	4.9	4.1
	80	0.42	54	62	42	31	25	21	17.8	15.6	12.5	10.4	8.9	8.3	7.8	6.9	6.2	5.0	4.2
	90	0.45	58	67	45	33	27	22	19.1	16.7	13.4	11.1	9.5	8.9	8.4	7.4	6.7	5.3	4.5
	100	0.47	60	70	47	35	28	23	19.9	17.4	14.0	11.6	10.0	9.3	8.7	7.8	7.0	5.6	4.7
	15	0.24	31	36	24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.8	4.5	4.0	3.6	2.9	2.4
	20	0.28	36	42	28	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.5	5.2	4.6	4.2	3.3	2.8
	25	0.32	41	48	32	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	6.3	5.9	5.3	4.8	3.8	3.2
	30	0.35	45	52	35	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.9	6.5	5.8	5.2	4.2	3.5
	35	0.37	47	55	37	27	22	18.3	15.7	13.7	11.0	9.2	7.8	7.3	6.9	6.1	5.5	4.4	3.7
	40	0.40	51	59	40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.9	7.4	6.6	5.9	4.8	4.0
05 Brown	50	0.45	58	67	45	33	27	22	19.1	16.7	13.4	11.1	9.5	8.9	8.4	7.4	6.7	5.3	4.5
	60	0.49	63	73	49	36	29	24	21	18.2	14.6	12.1	10.4	9.7	9.1	8.1	7.3	5.8	4.9
	70	0.53	68	79	52	39	31	26	22	19.7	15.7	13.1	11.2	10.5	9.8	8.7	7.9	6.3	5.2
	75	0.55	70	82	54	41	33	27	23	20	16.3	13.6	11.7	10.9	10.2	9.1	8.2	6.5	5.4
	80	0.57	73	85	56	42	34	28	24	21	16.9	14.1	12.1	11.3	10.6	9.4	8.5	6.8	5.6
	90	0.60	77	89	59	45	36	30	25	22	17.8	14.9	12.7	11.9	11.1	9.9	8.9	7.1	5.9
	100	0.63	81	94	62	47	37	31	27	23	18.7	15.6	13.4	12.5	11.7	10.4	9.4	7.5	6.2
	15	0.31	40	46	31	23	18.4	15.3	13.2	11.5	9.2	7.7	6.6	6.1	5.8	5.1	4.6	3.7	3.1
	20	0.35	45	52	35	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.9	6.5	5.8	5.2	4.2	3.5
	25	0.40	51	59	40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.9	7.4	6.6	5.9	4.8	4.0
	30	0.43	55	64	43	32	26	21	18.2	16.0	12.8	10.6	9.1	8.5	8.0	7.1	6.4	5.1	4.3
	35	0.47	60	70	47	35	28	23	19.9	17.4	14.0	11.6	10.0	9.3	8.7	7.8	7.0	5.6	4.7
06 Gray	40	0.50	64	74	50	37	30	25	21	18.6	14.9	12.4	10.6	9.9	9.3	8.3	7.4	5.9	5.0
	50	0.56	72	83	55	42	33	28	24	21	16.6	13.9	11.9	11.1	10.4	9.2	8.3	6.7	5.5
	60	0.61	78	91	60	45	36	30	26	23	18.1	15.1	12.9	12.1	11.3	10.1	9.1	7.2	6.0
	70	0.66	84	98	65	49	39	33	28	25	19.6	16.3	14.0	13.1	12.3	10.9	9.8	7.8	6.5
	75	0.68	87	101	67	50	40	34	29	25	20	16.8	14.4	13.5	12.6	11.2	10.1	8.1	6.7
	80	0.71	91	105	70	53	42	35	30	26	21	17.6	15.1	14.1	13.2	11.7	10.5	8.4	7.0
	90	0.75	96	111	74	56	45	37	32	28	22	18.6	15.9	14.9	13.9	12.4	11.1	8.9	7.4
	100	0.79	101	117	78	59	47	39	34	29	23	19.6	16.8	15.6	14.7	13.0	11.7	9.4	7.8
	15	0.37	47	55	37	27	22	18.3	15.7	13.7	11.0	9.2	7.8	7.3	6.9	6.1	5.5	4.4	3.7
	20	0.42	54	62	42	31	25	21	17.8	15.6	12.5	10.4	8.9	8.3	7.8	6.9	6.2	5.0	4.2
	25	0.47	60	70	47	35	28	23	19.9	17.4	14.0	11.6	10.0	9.3	8.7	7.8	7.0	5.6	4.7
	30	0.52	67	77	51	39	31	26	22	19.3	15.4	12.9	11.0	10.3	9.7	8.6	7.7	6.2	5.1
08 White	35	0.56	72	83	55	42	33	28	24	21	16.6	13.9	11.9	11.1	10.4	9.2	8.3	6.7	5.5
	40	0.60	77	89	59	45	36	30	25	22	17.8	14.9	12.7	11.9	11.1	9.9	8.9	7.1	5.9

TYPE (BROADCAST NOZZLES)		SIZE	ORIFICE INSERT/ TIP BODY MATERIAL	EXAMPLE TIP NO.	CAN. DOLLARS
	XR TeeJet™ Extended Range Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel	XR8010SS	
	<i>Tip with Quick TeeJet® cap and gasket assembly</i>		Stainless Steel/Acetal	XR8001VS	
			Acetal (110° Only)	XR11002-VP	
			Ceramic/Polypropylene	XR11003-VK	
	XRC TeeJet™ Extended Range Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Acetal (110° Only)	XR11002-VP-C	
			Stainless Steel/Nylon	XRC8004-VS	
			Ceramic/Nylon	XRC11004-VK	
			Acetal/Nylon	XRC110025-VP	
		Turbo TeeJet™ Spray Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Acetal	TT11001-VP
	AIXR TeeJet™ Air Induction XR Flat Spray Tips (Tapered Flat Spray) VisiFlo Color-Coded	All Sizes	UHMWPE Polymer	AIXR11004VP	
	<i>Tip with Quick TeeJet® cap and gasket assembly</i>	All Sizes	UHMWPE Polymer	AIXR11003VP-C	
	AI TeeJet™ Air Induction Spray Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel/Acetal	AI110015-VS	
	AIC TeeJet™ Air Induction Spray Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel/Nylon	AIC11004-VS	
			Acetal/Nylon	AIC11004-VP	
			Ceramic/Nylon	AIC110025-VK	
	Turbo TeeJet™ Induction Air Induction Spray Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Acetal	TTI11004-VP	
	<i>Tip with Quick TeeJet® cap and gasket assembly</i>	All Sizes	Acetal	TTI11005VP-C	
	DG TeeJet™ Drift Guard Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel/Acetal	DG8002VS	
			Acetal	DG11002-VP	
	TeeJet™ Spray Tips (Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel/Acetal	TP11001VS	
			Acetal	TP8002VP	
	TeeJet™ Spray Tips (Tapered Flat Fan Spray)	-0050 or Smaller	Brass	TP8000050	
		Larger than -0050	Brass	TP8000067	
		Smaller than -01	Stainless Steel	TP800067-SS	
		-01 and Larger	Stainless Steel	TP11001-SS	
			Hardened Stainless Steel	TP11001-HSS	
	TwinJet™ Spray Tips (Twin Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Stainless Steel/Acetal	TJ60-8003VS	
	Turbo TeeJet™ Duo Double Outlet QJ Adapter with 2 Turbo TeeJet® Tips (Twin Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Acetal /Nylon	QJ90- 2XTT11004-VP	
	Turbo TwinJet™ Spray Tips (Twin Tapered Flat Fan Spray) VisiFlo Color-Coded	All Sizes	Acetal	TTJ60-11004VP	
	<i>Tip with Quick TeeJet® cap and gasket assembly</i>	All Sizes	Acetal	TTJ60- 11005VP-C	

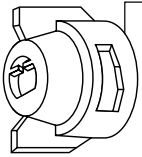
TYPE (BROADCAST NOZZLES)		SIZE	ORIFICE INSERT/ TIP BODY MATERIAL	EXAMPLE TIP NO.	CAN. DOLLARS
	AI Turbo TwinJet⁺ Twin Tapered Flat Fan Spray VisiFlo[®] Color-Coded	All Sizes	Acetal	AITTJ60-11004VP	
	Tip with Quick TeeJet [®] cap and gasket assembly	All Sizes	Acetal	AITTJ60-11003VP-C	
	AI3070 Spray Tips (Dual Pattern Tapered Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Acetal	AI3070-02VP	
	Tip with Quick TeeJet [®] cap and gasket assembly	All Sizes	Acetal	AI3070-04VP-C	
	DG TwinJet⁺ Drift Guard TwinJet Spray Tips (Twin Tapered Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	DGTJ60-11004VS	
	Turbo FloodJet⁺ Spray Tips (Wide Angle Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	TF-VS4	
			Acetal	TF-VP4	
	FloodJet⁺ Spray Tips (Wide Angle Flat Fan Spray)	All Sizes	Brass	TK-3	
			Stainless Steel	TK-SS3	
	VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	TK-VS3	
	FloodJet⁺ Spray Tips (Wide Angle Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Acetal	TK-VP3	
	FloodJet⁺ Nozzles (Wide Angle Tapered Flat Fan Spray)	See Example	Brass	1/8K- 1/4K- 3/8K- 1/2K- 3/4K-90 to 120 3/4K-140 to 210 1K-300 1K-450	
			Stainless Steel	1/8K-SS 1/4K-SS 3/8K-SS 1/2K-SS 3/4K-SS80 to 120 3/4K-SS140 to 210 1K-SS300 1K-SS450	
	Quick Turbo FloodJet⁺ Spray Nozzles (Wide Angle Tapered Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	QCTF-VS15 to 80 QCTF-VS100 to 120	
	QCK Quick FloodJet⁺ (Wide Angle Tapered Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	QCK-SS20 to 40 QCK-SS50 to 80 QCK-SS100 & 120 QCK-SS150 to 210	
	TurfJet⁺ Spray Tips (Wide Angle Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	1/4TTJ05-VS	
			Acetal	1/4TTJ06-VP	
	FL FullJet⁺ Spray Tips (Wide Angle Full Cone Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	FL-5VS	
			Acetal	FL-5VC	

TYPE (BANDING & DIRECTED NOZZLES)		SIZE	ORIFICE INSERT/ TIP BODY MATERIAL	EXAMPLE TIP NO.	CAN. DOLLARS
	AI TeeJet[®] Air Induction Even Spray Tips (Even Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	AI95015EVS	
	DG TeeJet[®] Even Spray Tips (Even Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	DG9504EVS	
	TeeJet[®] Spray Tips (Even Flat Fan Spray) VisiFlo[®] Color-Coded	-01 And Larger	Brass	TP8001	
			Stainless Steel	TP8001E-SS	
			Hardened Stainless Steel	TP8001E-HSS	
		-01 And Larger	Stainless Steel/Acetal	TP8001EVS	
	TwinJet[®] Spray Tips (Twin Even Flat Fan Spray) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	TJ60-8003EVS	
	TeeJet[®] Spray Tips (Double Outlet Flat Fan Spray)	All Sizes	Brass	TQ150-01	
			Stainless Steel	TQ150-01-SS	
	AIUB TeeJet[®] Air Induction (Underleaf Banding Spray Tips) VisiFlo[®] Color-Coded	All Sizes	Stainless Steel/Acetal	AIUB8504VS	
	TeeJet[®] UB (Underleaf Banding Spray Tips)	All Sizes	Brass	D25143-UB-8504	
			Stainless Steel	D25143-UB-8504-SS	
	TeeJet[®] OC Spray Tips (Off Center Flat Fan Spray)	-01 to -08, -12, -16	Brass	OC-02	
			Stainless Steel	OC-SS02	
	TG FullJet[®] Spray Tips (Full Cone Spray)	Smaller than 1	Brass	TG-0.9	
			Stainless Steel	TG-SS0.9	
		1 and Larger	Brass	TG-1	
			Stainless Steel	TG-SS1	
	TX ConeJet[®] Spray Tips (Hollow Cone Spray)	All Sizes	Brass	TX-1	
			Brass (With Strainer)	TLX-1	
			Stainless Steel	TX-SS1	
	TX, TXA, TXB ConeJet[®] (Hollow Cone Spray) VisiFlo[®] Color-Coded	All Sizes	Ceramic/Polypropylene	TXA8004VK TXB8003VK TX-VK3	
			Stainless Steel/ Polypropylene	TX-VS4	
	AITX ConeJet[®] Air Induction (Hollow Cone Spray) VisiFlo[®] Color-Coded	All Sizes	Ceramic/ Polypropylene	AITXA8001VK AITXB8004VK	
	TeeJet[®] Orifice Discs	All Sizes	Acetal	DVP-	
			Hardened Stainless Steel	D2	
			Stainless Steel	DE2	
			Ceramic	DCER-	
	TeeJet[®] Cores	All Sizes	Nylon	DC23-N	
			Brass	DC23	
			Hardened Stainless Steel	DC23-HSS	
			Ceramic	DC25-CER	

TYPE (BOOMLESS NOZZLES)		SIZE	ORIFICE INSERT/ TIP BODY MATERIAL	EXAMPLE TIP NO.	CAN. DOLLARS
	BoomJet[®] Large Capacity Nozzles and Swivels (Boomless Flat Spray)	All Sizes	Brass	4418-3/4-2TOC 4629-3/4-TOC 5430-3/4-2TOC 5880-3/4-2TOC	
	TeeJet[®] OC Spray Tips (Large Capacity Off-Center Flat Spray Tips)	See Example	Brass	OC-20	
			Stainless Steel	OC-SS2	
	XPBoomJet[®] Nozzles (Boomless Flat Spray) VisiFlo[®] Color-Coded	¼" 10, 20, 25	Acetal	1/4XP25R-VP 1/4XP25L-VP	
		½" 40 or 80	Acetal	1/2XP40R-VP 1/2XP40L-VP	
	FieldJet[®] Nozzles (Boomless Flat Spray)	All Sizes	Brass	1/4KLC 3/4KLC	
			Stainless Steel	1/4KLC-SS18 3/4KLC-SS108	
	TFW Turbo FloodJet[®] Nozzles (Extra Wide Angle Tapered Flat Fan Spray)	All Sizes	Brass	TFW-12	
TYPE (FERTILIZER NOZZLES)		SIZE	ORIFICE INSERT/ TIP BODY MATERIAL	EXAMPLE TIP NO.	CAN. DOLLARS
	StreamJet[®] Fertilizer Nozzles (Solid Stream Nozzle)	0002-0080	Stainless Steel	H1/4U-SS0002	
	StreamJet[®] SJ7 Fertilizer Nozzles (7 Orifices with Quick TeeJet [®] Connection) VisiFlo[®] Color-Coded	All Sizes	Acetal	SJ7-04-VP	
	StreamJet[®] SJ3 Fertilizer Nozzles (3 Solid Stream Orifices) VisiFlo[®] Color-Coded	All Sizes	Acetal	SJ3-04-VP	
 4908  CP4928  CP4916	TeeJet[®] Flow Regulators (Orifice Regulating Plates and Components)	See Example	Brass	4908-1/4T	
			Stainless Steel	4908-1/4T-SS CP4928-SS CP4916-28	

(B) Also available with BSPT connection

Quick TeeJet® CAPS (for pressures up to 300 PSI/20 bar)

 Quick TeeJet Cap Quick TeeJet Cap and Seal Gasket Seal Gasket CP19438-EPR (EPDM Standard) CP19438-VI (Viton Optional)	CAN.	Quick TeeJet Cap	Color Code	Quick TeeJet Cap	Color Code	Specify Color Code (see chart). Unless otherwise specified, a Yellow (6) Cap will be supplied.
	DOLLARS				*	
		BLACK1.	YELLOW 6			
	WHITE2.	BROWN 7				
	RED3.	ORANGE 8				
	BLUE4.	GRAY 9				
	GREEN5.	VIOLET 10				
	† Gray option only offered on polypropylene caps and rated to 150 PSI (10 bar)					

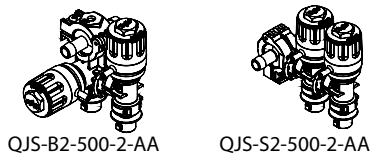
	FOR USE WITH SPRAY TIPS (300 PSI/20 bar rating)	PART NO.	CAN. DOLLARS
	TeeJet® Flat Spray Tips (Smaller Capacities)  Standard -0067 to -08  XR -01 to -08  Turbo TwinJet®	Cap Only CP25611-*-NY	
		Cap and Seat Gasket Set. 25612-*-NYR	
	 AIXR TeeJet®  DG TeeJet®  Turbo TeeJet®  OC TeeJet®	Cap Only CP25611-9-PP	
		Cap and Seat Gasket Set. 25612-9-PP	
	TeeJet® Flat Spray Tips (Larger Capacities)  Standard -10 to -20  XR -10 to -15	Cap Only CP23307-*-CE	
		Cap and Seat Gasket Set. 23306H-*-CELR	
	TeeJet® Flat Spray Tips (Larger Capacities)  Standard -10 to -20  XR -10 to -15	Cap Only CP25609-*-NY	
		Cap and Seat Gasket Set. 25610-*-NYR	
	 TJ TwinJet®  AI Turbo TwinJet® -02 to -06  DG TwinJet®  S3 StreamJet®	Cap Only CP25597-*-NY	
		Cap and Seat Gasket Set. 25598-*-NYR	
	 AI TeeJet® & AIUB TeeJet®  Turbo TeeJet® Induction	Cap Only CP21399-*-CE	
		Cap and Seat Gasket Set. 21398H-*-CELR	
	 AI3070  AI Turbo TwinJet® -08 to -15	Cap Only CP98578-1-NY	
		Cap and Seat Gasket Set. 98579-1-NYR	
	 Turbo FloodJet®  TK-VP FloodJet®  TK-VS FloodJet®  Locating Nib	Cap Only CP25599-*-NY	
		Cap and Seat Gasket Set. 25600-*-NYR	
	 TK FloodJet®  FL FullJet®  TX ConeJet®	Cap Only CP25607-*-NY	
		Cap and Seat Gasket Set. 25608-*-NYR	
	 TG Full Cone  Hose Shank  AITXA	Cap Only CP25607-9-PP	
		Cap and Seat Gasket Set. 25608-9-PP	
	 TG Full Cone  Hose Shank  AITXA	Cap Only CP58350-*-CE	
		Cap and Seat Gasket Set. 58348H-*-CELR	
	 Disc  Core  Seal CP18999-EPR Disc-Core (Insert Core into Seal)	Cap Only CP25607-*-NY	
	Ceramic Disc-Core  Disc  Core  TXB ConeJet®  AITXB	Cap Only CP26277-1-NY	
		Cap and Seat Gasket Set. 26278-1-NYR	
	Adapter Cap with EPDM Seat Gasket, Black (1/4" only)	Quick TeeJet Outlet Adapter. ... QJ4676-1/8-NYR	
		Quick TeeJet Outlet Adapter. ... QJ(B)4676-1/4-NYR	
	Adapter Cap 1/4TTJ with EPDM Seat Gasket, Black	Quick TeeJet Outlet Adapter, 90° QJ4676-90-1/4-NYR	
		Quick TeeJet Outlet Adapter, 45° QJ4676-45-1/4-NYR	
	Shutoff Cap with EPDM Seat Gasket, Black	Quick TeeJet Shut-Off Cap and Seat Gasket Set 19843-NYR	

Ⓑ Also available with BSPT connection

Quick TeeJet® NOZZLE BODY SYSTEMS FOR DRY BOOMS

CAN.
DOLLARS

QJS NOZZLE BODIES FOR DRY BOOMS



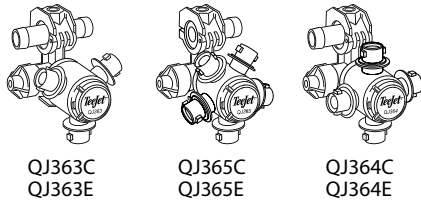
QJS-B2-500-2-AA

QJS-S2-500-2-AA

QJS-B2-*-AA	-500, -750, -1000 Hose Shank, Bottom Mount, Dual Outlet Nozzle Body
QJS-B2-*-MM	-500, -750, -1000 Hose Shank, Bottom Mount, Dual Outlet Nozzle Body
QJS-B2-*-CM	-500, -750, -1000 Hose Shank, Bottom Mount, Dual Outlet Nozzle Body
QJS-B2-*-EM	-500, -750, -1000 Hose Shank, Bottom Mount, Dual Outlet Nozzle Body
QJS-S2-*-AA	-500, -750, -1000 Hose Shank, Side Mount, Dual Outlet Nozzle Body
QJS-S2-*-MM	-500, -750, -1000 Hose Shank, Side Mount, Dual Outlet Nozzle Body
QJS-S2-*-CM	-500, -750, -1000 Hose Shank, Side Mount, Dual Outlet Nozzle Body
QJS-S2-*-EM	-500, -750, -1000 Hose Shank, Side Mount, Dual Outlet Nozzle Body

Note Hose I.D.: 500 = 1/2", 750 = 3/4", 1000 = 1"

MULTIPLE NOZZLE BODIES WITH CHEMSAVER®



QJ363C
QJ363E

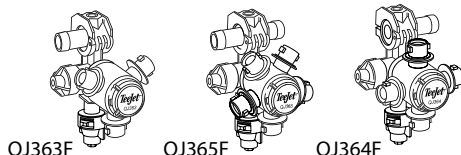
QJ365C
QJ365E

QJ364C
QJ364E

QJ363C-*-1-NYB	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ363C-*-2-NYB	-500, -750, -1000	Nozzle Body with Double Hose Shank
QJ364C-*-1-NYB	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ364C-*-2-NYB	-500, -750, -1000	Nozzle Body with Double Hose Shank
QJ365C-*-1-NYB	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ365C-*-2-NYB	-500, -750, -1000	Nozzle Body with Double Hose Shank
QJ363C-*-1-NYB-VI	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ363C-*-2-NYB-VI	-500, -750, -1000	Nozzle Body with Double Hose Shank
QJ364C-*-1-NYB-VI	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ364C-*-2-NYB-VI	-500, -750, -1000	Nozzle Body with Double Hose Shank
QJ365C-*-1-NYB-VI	-500, -750, -1000	Nozzle Body with Single Hose Shank
QJ365C-*-2-NYB-VI	-500, -750, -1000	Nozzle Body with Double Hose Shank

Note Hose I.D.: 500 = 1/2", 750 = 3/4", 1000 = 1"

MULTIPLE NOZZLE BODIES WITH FERTILIZER OUTLET AND CHEMSAVER



QJ363F

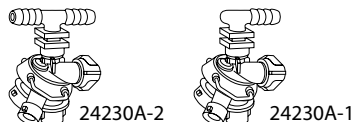
QJ365F

QJ364F

QJ363F-1000-*-NYB	Single or Double Hose Barb Nozzle Body
QJ364F-1000-*-NYB	Single or Double Hose Barb Nozzle Body
QJ365F-1000-*-NYB	Single or Double Hose Barb Nozzle Body
QJ363F-1000-*-NYB-VI	Single or Double Hose Barb Nozzle Body, Viton
QJ364F-1000-*-NYB-VI	Single or Double Hose Barb Nozzle Body, Viton
QJ365F-1000-*-NYB-VI	Single or Double Hose Barb Nozzle Body, Viton

Note Hose I.D.: 1000 = 1"

TRIPLE NOZZLE BODIES WITH CHEMSAVER



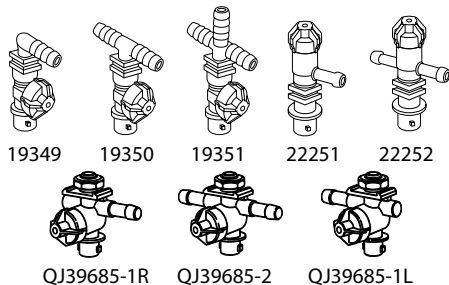
24230A-2

24230A-1

24230A-1-*-NYB	-406, -540, -785 Triple Nozzle Body with Single Hose Shank
24230A-2-*-NYB	-406, -540, -785 Triple Nozzle Body with Double Hose Shank
24230A-3-*-NYB	-406, -540, -785 Triple Nozzle Body with Triple Hose Shank

Note Hose I.D.: 406 = 3/8", 540 = 1/2", 785 = 3/4"

SINGLE NOZZLE BODIES WITH CHEMSAVER



19349

19350

19351

22251

22252

QJ39685-1R

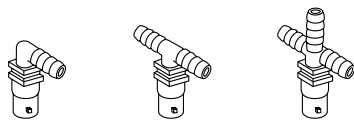
QJ39685-2

QJ39685-1L

19349-211-*-NYB	-406, -540, -785 Single Hose Shank Quick TeeJet Nozzle Body with Diaphragm Check Valve
19350-212-*-NYB	-406, -540, -785 Double Hose Shank Quick TeeJet Nozzle Body with Diaphragm Check Valve
19351-213-*-NYB	-406, -540, -785 Triple Hose Shank Quick TeeJet Nozzle Body with Diaphragm Check Valve
22251-311-*-NYB	-375, -500, -750 Single Hose Shank Quick TeeJet Nozzle Body with Diaphragm Check Valve
22252-312-*-NYB	-375, -500, -750 Double Hose Shank Quick TeeJet Nozzle Body with Diaphragm Check Valve
QJ39685-*-500-NYB	1/2" Hose ID, Quick TeeJet Nozzle Body with Diaphragm Check Valve

Note Hose I.D.: 375 & 406 = 3/8", 540 = 1/2", 750 & 785 = 3/4"

HOSE SHANK NOZZLE BODIES



18635

18636

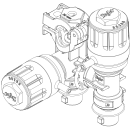
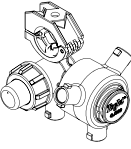
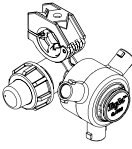
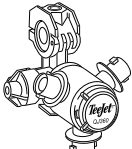
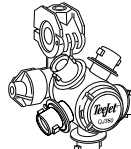
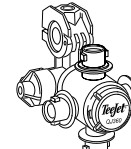
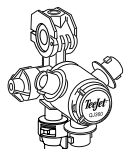
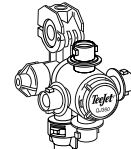
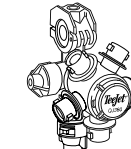
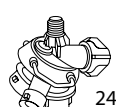
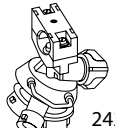
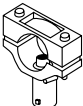
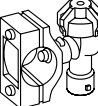
18637

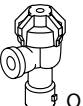
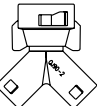
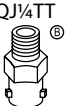
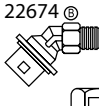
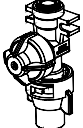
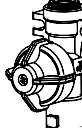
18635-111-406-NYB	Single Hose Shank Quick TeeJet Nozzle Body
18638-111-540-NYB	Single Hose Shank Quick TeeJet Nozzle Body
18719-111-785-NYB	Single Hose Shank Quick TeeJet Nozzle Body
18636-112-406-NYB	Double Hose Shank Quick TeeJet Nozzle Body
18639-112-540-NYB	Double Hose Shank Quick TeeJet Nozzle Body
18720-112-785-NYB	Double Hose Shank Quick TeeJet Nozzle Body
18637-113-406-NYB	Triple Hose Shank Quick TeeJet Nozzle Body
18640-113-540-NYB	Triple Hose Shank Quick TeeJet Nozzle Body
18721-113-785-NYB	Triple Hose Shank Quick TeeJet Nozzle Body

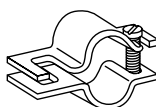
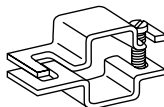
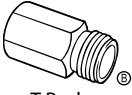
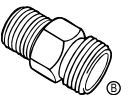
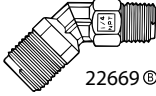
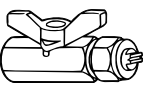
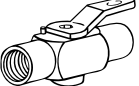
Note Hose I.D.: 406 = 3/8", 540 = 1/2", 785 = 3/4"

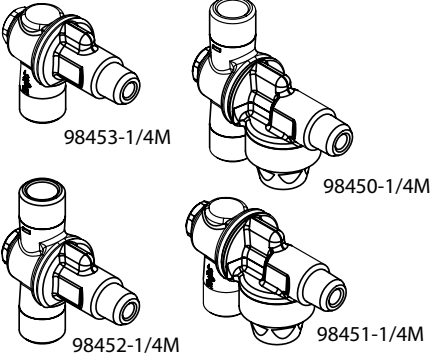
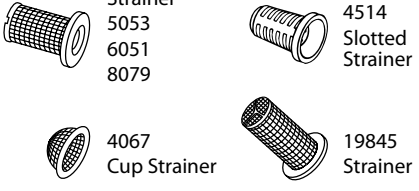
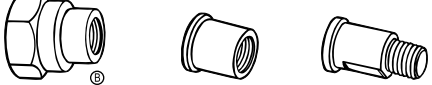
Quick TeeJet® NOZZLE BODY SYSTEMS FOR WET BOOMS

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DOLLARS

QJS NOZZLE BODIES FOR WET BOOMS  QJS-S2-AA  QJS-B2-AA	QJS-B2-*-AA -20mm, -1/2", -3/4" -1" Bottom Mount, Dual Outlet Nozzle Body..... QJS-B2-*-MM -20mm, -1/2", -3/4" -1" Bottom Mount, Dual Outlet Nozzle Body..... QJS-B2-*-QM -20mm, -1/2", -3/4" -1" Bottom Mount, Dual Outlet Nozzle Body..... QJS-B2-*-BM -20mm, -1/2", -3/4" -1" Bottom Mount, Dual Outlet Nozzle Body..... QJS-S2-*-AA -20mm, -1/2", -3/4" -1" Side Mount, Dual Outlet Nozzle Body..... QJS-S2-*-MM -20mm, -1/2", -3/4" -1" Side Mount, Dual Outlet Nozzle Body..... QJS-S2-*-QM -20mm, -1/2", -3/4" -1" Side Mount, Dual Outlet Nozzle Body..... QJS-S2-*-BM -20mm, -1/2", -3/4" -1" Side Mount, Dual Outlet Nozzle Body.....	
HIGH FLOW MULTIPLE NOZZLE BODIES  QJ383F  QJ383	QJ383-*-NYB -3/4", -1" Split Eyelet High Flow Nozzle Body, Viton..... QJ383F-*-NYB -3/4", -1" Split Eyelet High Flow Nozzle Body with Fertilizer Outlet, Viton.....	
MULTIPLE NOZZLE BODIES WITH CHEMSAVER®  QJ363C QJ363E  QJ365C QJ365E  QJ364C QJ364E	QJ363C-*-NYB -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve..... QJ363E-*-NYB -20 mm Split Eyelet Diaphragm Check Valve..... QJ364C-*-NYB -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve..... QJ364E-*-NYB -20 mm Split Eyelet Diaphragm Check Valve..... QJ365C-*-NYB -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve..... QJ365E-*-NYB -20 mm Split Eyelet Diaphragm Check Valve..... QJ363C-*-NYB-VI -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve, Viton..... QJ363E-*-NYB-VI -20 mm Split Eyelet Diaphragm Check Valve, Viton..... QJ364C-*-NYB-VI -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve, Viton..... QJ364E-*-NYB-VI -20 mm Split Eyelet Diaphragm Check Valve, Viton..... QJ365C-*-NYB-VI -25 mm, -1/2", -3/4" -1" Split Eyelet Diaphragm Check Valve, Viton..... QJ365E-*-NYB-VI -20 mm Split Eyelet Diaphragm Check Valve, Viton.....	
TRIPLE NOZZLE BODIES WITH FERTILIZER OUTLET AND CHEMSAVER  QJ363F  QJ365F  QJ364F	QJ363F-1-NYB 1" Split Eyelet Diaphragm Check Valve..... QJ364F-1-NYB 1" Split Eyelet Diaphragm Check Valve..... QJ365F-1-NYB 1" Split Eyelet Diaphragm Check Valve..... QJ363F-1-NYB-VI 1" Split Eyelet Diaphragm Check Valve, Viton..... QJ364F-1-NYB-VI 1" Split Eyelet Diaphragm Check Valve, Viton..... QJ365F-1-NYB-VI 1" Split Eyelet Diaphragm Check Valve, Viton.....	
TRIPLE NOZZLE BODIES WITH CHEMSAVER  24231A  24216A	24216A-*-NYB -20 mm, -1/2", -3/4" -1" TeeJet Triple Nozzle Body..... 24231A-NYB TeeJet Triple Nozzle Body with 1/4" Inlet.....	
SINGLE NOZZLE BODIES WITH CHEMSAVER  QJ17560A  †QJ7241  QJ22187	QJ17560A-*-NYB-VI -25 mm, -20 mm, -1/2", -3/4", -1" Quick TeeJet Split Eyelet with ChemSaver, Viton..... QJ17560A-*-NYB -25 mm, -20 mm, -1/2", -3/4", -1" Quick TeeJet Split Eyelet with ChemSaver..... †QJ7421-*-NYB -1/2", -3/4", -1" Quick TeeJet Split Eyelet, less ChemSaver..... QJ22187-*-NYB -1/2", -3/4", -1" Quick TeeJet Split Eyelet, less ChemSaver..... † Does Not Include ChemSaver	

Quick TeeJet® ADAPTERS		CAN. DOLLARS
SINGLE NOZZLE BODY ADAPTERS WITH CHEMSAVER®  QJ8360  QJ8355  QJT8360 QJP19011	QJ8360-NYB ¼" (M) Diaphragm Check Valve Quick TeeJet Nozzle Body QJ8355-*-NYB -1/8", ¼" (F) Diaphragm Check Valve Quick TeeJet Nozzle Body QJT8360-NYB Quick TeeJet Adapter, fits TeeJet Bodies using CP1325 Cap QJP19011-NYB Quick TeeJet Adapter, fits 3/8" BSPP (M) Thread.....	
NOZZLE BODY ADAPTERS  QJ90-2  QJ90-1  QJ¼TT  55240-CELR  22674  QJ¼T-NTB QJT-NTB	QJ90-2-NYR Quick TeeJet Duo Nozzle Adapter with EPDM Gasket QJ90-1-NYR 90° Quick TeeJet Adapter with EPDM Gasket QJ1/4TT-NYB Quick TeeJet Nozzle Body Adapter QJ1/4T-NYB Quick TeeJet Nozzle Body Adapter QJT-NYB Quick TeeJet Nozzle Body Adapter 22674-1/4-NYB Quick TeeJet 45° Nozzle Body Adapter 55240-CELR Hardi Quick TeeJet Adapter with EPDM Gasket 50854-NYB Quick TeeJet Nozzle Body 1" (25 mm) Extension.....	
SWIVELS  QJ8600  QJ8600-2	QJ8600-1/4-NYB Quick TeeJet Single Swivel QJ8600-2-1/4-NYB Quick TeeJet Double Swivel	
PUSH-TO-CONNECT TO QUICK TEEJET ADAPTERS  QJ98594 QJ98595  QJ98590 QJ98592  QJ98586 QJ98588	QJ98590-3/8-* ¾" Push-to-Connect Quick TeeJet Body QJ98592-1/4-* ¼" Push-to-Connect Quick TeeJet Body QJ98586-3/8 ¾" Push-to-Connect Quick TeeJet Cap QJ98588-1/4 ¼" Push-to-Connect Quick TeeJet Cap QJ98594-3/8-* ¾" Push-to-Connect Body and Cap Assembly QJ98595-1/4-* ¼" Push-to-Connect Body and Cap Assembly	

TeeJet® TECHNOLOGIES BOOM COMPONENTS		CAN. DOLLARS
VARI-SPACING CLAMPS  QJ111  QJ111SQ	QJ111-1/2, -3/4, -1, or -1-1/4 Vari-Spacing Quick TeeJet Clamp QJ111SQ3/4, -1, -1-1/4, -1-1/2 Vari-Spacing Quick TeeJet Clamp QJ111SQ-304SS Stainless (Same sizes as QJ111SQ above)..... QJ111HP-3/4 ¾" High Profile QJ Clamp.....	
TYPE T AND TT BODIES  T Body (Female Thread)  TT Body (Male Thread)  22669  20900  23220	CP1335 1/8T, Brass CP1336 1/8TT, Brass CP1321 1/4T, Brass..... CP1321-SS 1/4T-SS, Stainless Steel..... CP12094-NYB 1/4T-NY, Nylon CP1322 1/4TT, Brass CP1322-SS 1/4TT-SS, Stainless Steel CP8028-NYB 1/4TT-NY, Nylon CP8108 1/4TT, Extra-long, Brass CP1323 3/8T, Brass..... CP1324 3/8TT, Brass CP1339 1/2T, Brass..... CP1340 1/2TT, Brass CP3817 3/4T, Brass..... CP3817-SS 3/4T, Stainless Steel..... CP3818 3/4TT, Brass CP3818-SS 3/4TT, Stainless Steel 22669-1/4-PPB 45° Nozzle Body..... 23220 Plug Valve 20900 Ball Valve, Brass	

ROLLOVERS  98453-1/4M 98450-1/4M 98452-1/4M 98451-1/4M	(B)98450-1/4F (B, S, P)98450-1/4M (B, S, P)98450-3/8M (B)98451-1/4F (B, S, P)98451-1/4M (B, S, P)98451-3/8M (B)98452-1/4F (B, S, P)98452-1/4M (B, S, P)98452-3/8M (B)98453-1/4F (B, S, P)98453-1/4M (B, S, P)98453-3/8M AB98450-KIT	Double Rollover with Diaphragm Check Double Rollover with Diaphragm Check Double Rollover with Diaphragm Check Single Rollover with Diaphragm Check Single Rollover with Diaphragm Check Single Rollover with Diaphragm Check Double Rollover..... Double Rollover..... Double Rollover..... Single Rollover..... Single Rollover..... Single Rollover..... Single Rollover..... Rollover Spare Parts Kit (See PL98450 for details) 	
TEEJET TIP STRAINERS  Strainer 5053 6051 8079 4514 Slotted Strainer 4067 Cup Strainer 19845 Strainer	19845-PP 5053- 6051-SS 8079-PP 5054- 4067-SS 4514- 4514-NY 9106	Polypropylene throughout Brass with Stainless Steel Screen Stainless Steel throughout Polypropylene with Stainless Steel Screen Extra-long, Brass with Stainless Steel Screen Cup Strainer, Stainless Steel Slotted Strainer, Brass Slotted Strainer, Nylon Fused Bronze Filter.....	
TEEJET CHECK VALVES  4193A Strainer- Check Valve 11750 Check Valve	4193A 4193A-SS 4193A-PP 4193A-PP-SS 11750 11750-SS 11750-PP	Brass with Stainless Steel Screen..... Stainless Steel throughout Polypropylene with Stainless Steel Screen and Viton Ball Polypropylene with Stainless Steel Screen and Ball Brass Stainless Steel Polypropylene	
TEEJETHOSE SHANKS  4251 8400 8400-T-406	4251-250, etc. 4251-250-SS, etc. 8400-406-NYB 8400-500-NYB 8400-T-406-NYB	Brass Stainless Steel Nylon..... Nylon..... Nylon.....	
TEEJET CAPS  CP1325 CP8027 CP18032A	CP1325 CP1325-SS CP8027-NYB CP8027-1-NYB CP18032A-NYB CP20230 CP3819 CP3819-SS	Brass Stainless Steel Nylon..... Extra-long, Nylon Winged TeeJet Cap, Nylon..... Brass, for use with Ceramic Discs and Cores Brass, for use with 3/4T and 3/4TT Bodies Stainless Steel, for use with 3/4T and 3/4TT Bodies	
TEEJET ADAPTERS  4676 CP6250 6406	4676-1/8, -1/4, -3/8 4676-3/4 4676-ENP1/8, -1/4, -3/8 4676-SS-1/8, -1/4 4676-NYB-1/8, -1/4 CP6250 CP6250-I 6406 6406-I	Brass Brass Brass, Nickel-plated Stainless Steel Nylon..... Brass Steel..... Brass, 1/8 Adapter..... Steel, 1/8 Adapter.....	

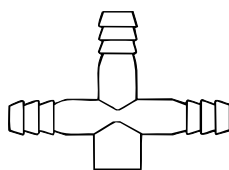
Note: B = BSPT thread, S= NPS thread, P=BSPP thread, no letter=NPT thread

Note Hose I.D.: 250 = 1/4", 406 = 3/8", 500 = 1/2"

(B) Also available with BSPT connection

HOSE SHANK CONNECTORS

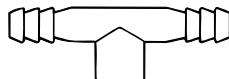

6053
6100
8400
10123



13436
13439



13434
13437



13435
13438

6053-400, -535
6100-500, -675, -800
10123-1/4-281
8400-1/4-300, -406, -535-NYB
8400-3/8-535-NYB
8400-3/8-406-NYB
8400-1/2-406, -535-NYB
8400-1/2-660-NYB
8400-3/4-535, -660, -785-NYB
8400-GH*-NYB
8400-G-406, -535, -660-NYB
13434-406-NYB
13435-406-NYB
13436-406-NYB
13437-540-NYB
13438-540-NYB
13439-540-NYB

Brass
Brass
Brass
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....
Nylon.....

Note Hose I.D.: 300 = 1/4", 400 & 406 = 3/8", 500 & 535 = 1/2", 660 = 5/8", 785 = 3/4"

PIPE PLUGS


8400

8400-1/4-PPB
8400-3/8-NYB
8400-1/2-NYB
8400-3/4-NYB

Polypropylene
Nylon.....
Nylon.....
Nylon.....

HOSE DROPS

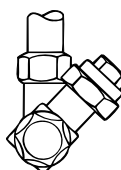

21353



21354

21353-6-15-NYB
21353-6-24-NYB
21354-15-NYB
21354-24-NYB

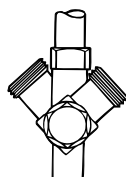
Quick TeeJet Hose Drop, EPDM Gasket, 15"/38 cm
Quick TeeJet Hose Drop, EPDM Gasket, 24"/61 cm
TeeJet Hose Drop, Nylon throughout, 15"/38 cm
TeeJet Hose Drop, Nylon throughout, 24"/61 cm

**SINGLE SWIVEL TEEJET NOZZLE
BODY ASSEMBLIES**


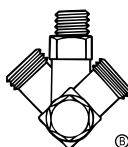
®
5000
7620
8600

5000-1/8T, -1/4T
5540-1/4
7620-T
8600-1/4T-NYB

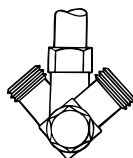
Brass
Brass
Brass
Nylon.....

**DOUBLE SWIVEL TEEJET NOZZLE
BODY ASSEMBLIES**


5932



6240



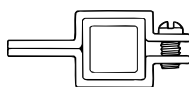
8600-2

6240-1/4TT
5932-2-1/4T
8600-2-1/4T-NYB

Brass
Brass
Nylon.....

VARI-SPACING TEEJET CLAMP ASSEMBLIES


AA111

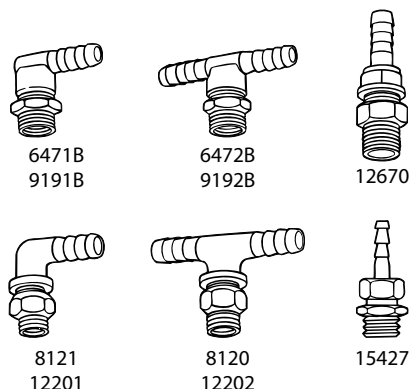


AA111-SQ

AA111-1/2, -3/4, -1
AA111-1-1/4
AA111SQ-1
AA111SQ-1-1/4
AA111SQ-1-1/2

Clamp Sub-assembly.....
Clamp Sub-assembly.....
Clamp Sub-assembly.....
Clamp Sub-assembly.....
Clamp Sub-assembly.....

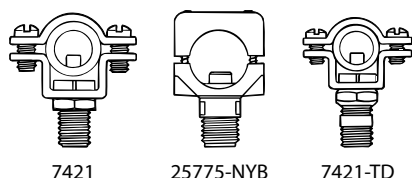
® Also available with BSPT connection

TEEJET HOSE SHANK BODY ASSEMBLIES


6471B-400TD
6471-SS-C400TD
6472B-400TD
6472-SS-C400TD
8120-NYB-540TD, -406TD
8121-NYB-540TD, -406TD
8124-NYB-406TD, -540TD
9191B-531TD
9191-SS-C531TD
9192B-531TD
9192-SS-C531TD
12201-CE-785TD, -1062TD
12202-CE-785TD, -1062TD
12670-406TD-NYB
15427-1-296

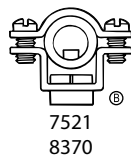
TeeJet Nozzle Body Assembly, Brass
TeeJet Nozzle Body Assembly, Stainless Steel
TeeJet Nozzle Body Assembly, Brass
TeeJet Nozzle Body Assembly, Stainless Steel
TeeJet Nozzle Body Assembly, Nylon.....
TeeJet Nozzle Body Assembly, Nylon.....
TeeJet Nozzle Body Assembly, Nylon.....
TeeJet Nozzle Body Assembly, Brass
TeeJet Nozzle Body Assembly, Stainless Steel
TeeJet Nozzle Body Assembly, Brass
TeeJet Nozzle Body Assembly, Stainless Steel
TeeJet Nozzle Body Assembly, Celcon.....
TeeJet Nozzle Body Assembly, Celcon.....
TeeJet Nozzle Body Assembly, Nylon.....
TeeJet Nozzle Body Assembly, Brass

Note Hose I.D.: 296 = 1/4", 406 = 3/8", 540 = 1/2", 531 = 1/2", 785 = 3/4", 1062 = 1"

TEEJET SPLIT-EYELET BODY ASSEMBLIES


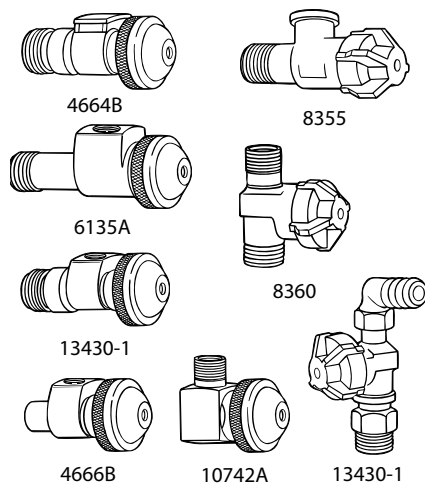
25775-1/2T-NYB, -3/4T-NYB, -1T-NYB
7421-1/2T, -3/4T, -1T
7421-1/2TSS, -3/4T-SS, -1T-SS
7421SS-1/2T-SS, -3/4T-SS, -1T-SS
7421-1/2T-NYB, -3/4T-NYB
7421-1T-NYB
7421-1/2TD -3/4TD, -1TD
7421-1/2TD-SS, -3/4TD-SS, -1TD-SS

With Nylon Clamp and Body.....
With Brass Body.....
With Stainless Steel Body.....
With Stainless Steel throughout
With Nylon Body.....
With Nylon Body.....
With Brass Body.....
With Stainless Steel Body.....

SPLIT-EYELET CONNECTORS


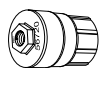
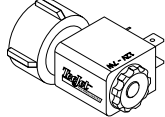
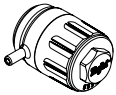
7521A-1/2x1/8, etc.
7521C-1/2x1/8, etc.
7521B-1/2x1/8, etc.
8370A-1-1/4x
8370A-1-1/2x
8370A-2x
8370B-1-1/4x
8370B-1-1/2x
8370B-2x
8370C-1-1/4x
8370C-1-1/2x
8370C-2x

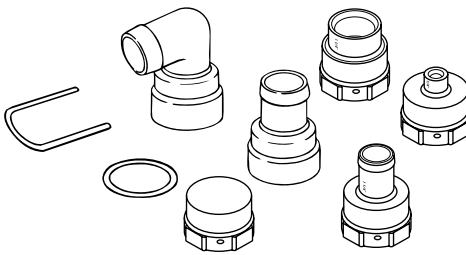
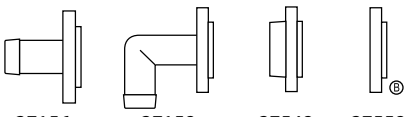
With Brass Body.....
With Stainless Steel Body.....
Stainless Steel throughout
With Brass Body.....
With Brass Body.....
With Brass Body.....
Stainless Steel throughout
Stainless Steel throughout
Stainless Steel throughout
With Stainless Steel Body.....
With Stainless Steel Body.....
With Stainless Steel Body.....

TEEJET NOZZLE BODIESWITH CHEMSAVER®


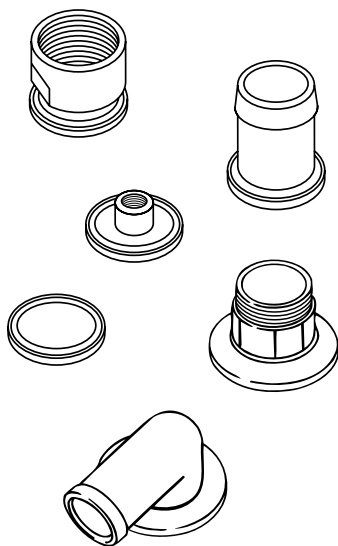
4664B
6135A-1/4, -3/8
8355-1/8-NYB, -1/4-NYB
8360-NYB
13430-1-NYB
13430-2-NYB
13430-3-NYB
13431-NYB
4666B
6140A-1/4, -3/8
10742A
12328-1/2-NYB, -3/4-NYB

Diaphragm Check Valve, Brass
Diaphragm Check Valve, Brass
Diaphragm Check Valve, Nylon
Diaphragm Check Valve, Nylon
Diaphragm Check Valve, Nylon
Diaphragm Check Valve, Nylon
Diaphragm Check Valve, Nylon
Diaphragm Check Valve, Nylon
Brass
Brass
Brass
Nylon.....

 BOOM COMPONENTS			CAN. DOLLARS
TEEJET CHEMSAVER® COMPONENTS  CP4620 Diaphragm  CP4624 Retainer Cap  9758  21950  CP21953 CP56709  56720  CP56711  56714  98465-15  55280  55300	CP4620-VI CP4620-FA CP6227-TEF CP21953-EPR CP21953-VI CP4624 21950-* -NYB 56720-1/8-B or F 55300 9758 CP56709-VI 56714-NYB CP56711-NYB 55280-1-12 55280-2-12 58140-NYB 98465-15	Diaphragm, Viton® Diaphragm, Fairprene Diaphragm, Teflon (use with 4620) Diaphragm, EPDM Rubber Diaphragm, Viton Retainer Cap, Brass ChemSaver End Cap Sub-assembly Air ChemSaver Nozzle Body Shutoff Air ChemSaver Nozzle Body Shutoff Brass End Cap ASB QJ350 Diaphragm, Viton QJ350 End Cap Sub-assembly Retaining Ring e-ChemSaver® Electric Tip Shutoff (12VDC) e-ChemSaver Electric Tip Shutoff (12VDC) Manual ChemSaver Check Valve End Cap Assembly	

 FLANGE AND MANIFOLD FITTINGS			CAN. DOLLARS
QUICK CONNECT FITTINGS FOR VALVES AND MANIFOLDS  *Also available in BSPT Threads **All Quick Connect fittings come with clip and O-ring	45529-1/2 45529-3/4 45529-5/8 45529-1 45529-3/4M 45529-1M 45529-90-1/2 45529-90-3/4 45529-90-1 45529-C 45529-P (B)58456-1/4 (B)58456-3/4 (B)58456-1 (B)58456-1-1/4 (B)58456-1-1/2 58456-1000 58456-1250 58456-1500 58456-2000 58456-C	½" Straight Hose Barb ¾" Straight Hose Barb ⅝" Straight Hose Barb 1" Straight Hose Barb ¾" Straight Hose Barb x Male Quick Connect 1" Straight Hose Barb x Male Quick Connect ½" 90° Hose Barb ¾" 90° Hose Barb 1" 90° Hose Barb Quick Connect Cap Quick Connect Plug Large Quick Connect x ¼" Female NPT* Gauge Port Large Quick Connect x ¾" Female NPT* Large Quick Connect x 1" Female NPT* Large Quick Connect x 1¼" Female NPT* Large Quick Connect x 1½" Female NPT* Large Quick Connect x 1"/25 mm Hose Barb Large Quick Connect x 1¼"/32 mm Hose Barb Large Quick Connect x 1½"/38 mm Hose Barb Large Quick Connect x 2"/51 mm Hose Barb Large Quick Connect Cap	
AA440 MANIFOLD INLET/BYPASS CONNECTIONS  37156 37158 37548 37558	CP37156-PP CP37158-PP CP(B)37548-PP CP37558-PP CP39584-PP CP37684-PP (B) = BSPT	1" Straight Hose Barb 1" 90° Hose Barb 1½" Threaded Inlet Blank Inlet 1¼" Straight Hose Barb ¼" Threaded Gauge Port	

(B) Also available with BSPT connection

FLANGED FITTINGS ^(B)


*Also available in BSPT Threads

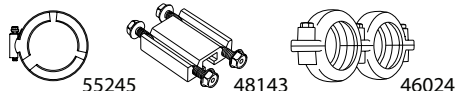
50 Series Flanged Fittings:

CP48150-PP	50 Series x 3/4" Hose Barb
CP45504-PP	50 Series x 1" Hose Barb
CP45505-PP	50 Series x 1 1/4" Hose Barb
CP45506-PP	50 Series x 1 1/2" Hose Barb
CP48151-PP	50 Series x 3/4" 90° Hose Barb
CP48152-PP	50 Series x 1" 90° Hose Barb
CP72238-PP	50 Series x 1 1/4" 90° Hose Barb
CP72239-PP	50 Series x 1 1/2" 90° Hose Barb
CP(B)48172-PP	50 Series x 3/4" Male NPT*
CP(B)48155-PP	50 Series x 1" Male NPT*
CP(B)48156-PP	50 Series x 1 1/2" Male NPT*
CP(B)48154-PP	50 Series x 1" Female NPT*
CP(B)45512-PP	50 Series x 1 1/4" Female NPT*
CP(B)45508-1/4-PP	50 Series x 1/4" Female NPT*
CP(B)45539-3/8-PP	50 Series x 3/8" Female NPT*
CP45507-PP	50 Series x Blank
CP46029-PP	50 Series x Male Quick Connect
CP48157-PP	50 Series x 50 Series Straight Coupling
CP48158-PP	50 Series x 50 Series Elbow Coupling
CP50193-PP	50 Series Tee Body
CP55242-PP	50 Series Tee Body Narrow

75 Series Flanged fittings:

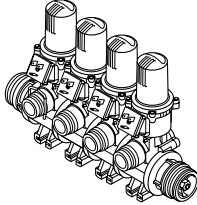
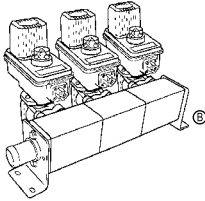
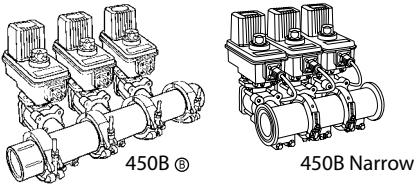
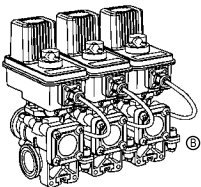
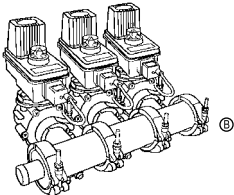
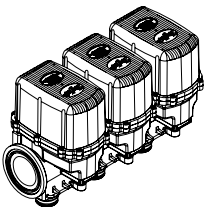
CP48160-PP	75 Series x 1 1/4" Hose Barb
CP46067-PP	75 Series x 1 1/2" Hose Barb
CP48161-PP	75 Series x 2" Hose Barb
CP48162-PP	75 Series x 1 1/4" 90° Hose Barb
CP48163-PP	75 Series x 1 1/2" 90° Hose Barb
CP48164-PP	75 Series x 2" 90° Hose Barb
CP(B)48165-PP	75 Series x 1 1/4" Male NPT*
CP(B)48166-PP	75 Series x 1 1/2" Male NPT*
CP(B)46066-PP	75 Series x 1 1/2" Female NPT*
CP(B)48167-PP	75 Series x 2" Male NPT*
CP(B)46127-1/4-PP	75 Series x 1/4" Female NPT*
CP(B)46127-3/8-PP	75 Series x 3/8" Female NPT*
CP46069-PP	75 Series x Blank
CP48169-PP	75 Series x 75 Series Straight Coupling
CP48168-PP	75 Series x 75 Series Elbow Coupling
CP46716-PP	75 Series x 75 Series x 75 Series Tee
CP46717-PP	75 Series x 75 Series x 50 Series Tee
CP45207-PP	75 Series x 50 Series Reducer
CP45251-PP	450 Tee Body
CP55224-PP	450 Tee Body Narrow

(B) = BSPT

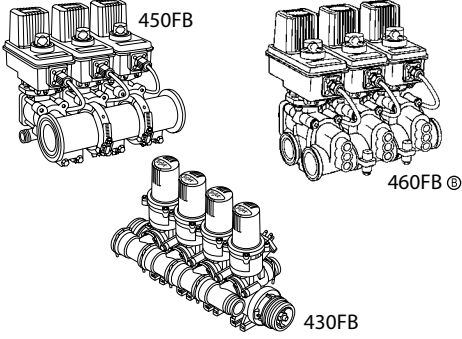
FLANGE CLAMPS


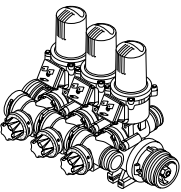
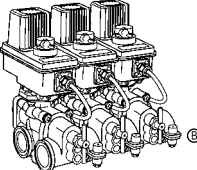
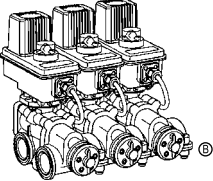
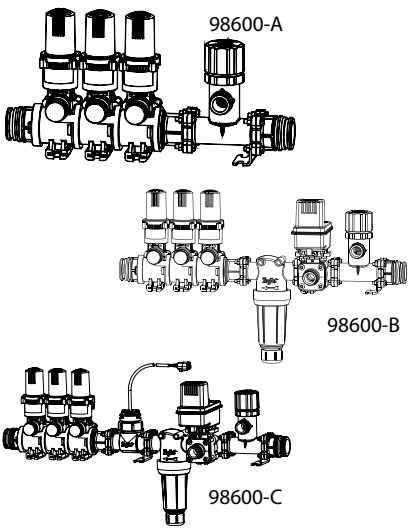
46024	#50 Series 3-Way Clamp & O-ring Kit
55245-50	#50 Series Stainless Steel Clamp & O-ring Kit
55245-75	#75 Series Stainless Steel Clamp & O-ring Kit
48143	Bar Mounting Kit
46070	#50 Series Nylon Clamp & O-ring Kit

^(B) Also available with BSPT connection

DirectoValve® ELECTRIC MANIFOLD VALVES		CAN. DOLLARS	
ALL "B" TYPE DIRECTOVALVES ARE AVAILABLE WITH CABLE (C) OR DIN (D) ELECTRICAL CONNECTIONS ALL "430" TYPE DIRECTOVALVES ARE AVAILABLE WITH DIN (D) ELECTRICAL CONNECTIONS		STAINLESS STEEL BALL	POLYPROPYLENE BALL
430 2-WAY MANIFOLD 	Stainless Steel Ball & Stem 431EC-2-D 2-Way DirectoValve Manifold 432EC-2-D 2-Way DirectoValve Manifold 433EC-2-D 2-Way DirectoValve Manifold 434EC-2-D 2-Way DirectoValve Manifold 435EC-2-D 2-Way DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		
440B MANIFOLD 	(B)441BEC-C or D DirectoValve Manifold (B)442BEC-C or D DirectoValve Manifold (B)443BEC-C or D DirectoValve Manifold (B)444BEC-C or D DirectoValve Manifold (B)445BEC-C or D DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		
450B SERIES MANIFOLDS 	(B)451BEC-2(N)-C or D DirectoValve Manifold (B)452BEC-2(N)-C or D DirectoValve Manifold (B)453BEC-2(N)-C or D DirectoValve Manifold (B)454BEC-2(N)-C or D DirectoValve Manifold (B)455BEC-2(N)-C or D DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		
460 2-WAY MANIFOLD 	Stainless Steel Ball & Stem (B)461BEC-2-C or D 2-Way DirectoValve Manifold (B)462BEC-2-C or D 2-Way DirectoValve Manifold (B)463BEC-2-C or D 2-Way DirectoValve Manifold (B)464BEC-2-C or D 2-Way DirectoValve Manifold (B)465BEC-2-C or D 2-Way DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		
490B MANIFOLD 	Stainless Steel Ball & Stem (B)491BEC-C or D 356 Trunnion Valve Manifold (B)492BEC-C or D 356 Trunnion Valve Manifold (B)493BEC-C or D 356 Trunnion Valve Manifold (B)494BEC-C or D 356 Trunnion Valve Manifold (B)495BEC-C or D 356 Trunnion Valve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		
540 2-WAY MANIFOLD 	Plunger Valve 541EC-2 2-Way DirectoValve Manifold 542EC-2 2-Way DirectoValve Manifold 543EC-2 2-Way DirectoValve Manifold 544EC-2 2-Way DirectoValve Manifold 545EC-2 2-Way DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. Power cable not included. 98546-* cable must be ordered separately.		

(B) Also available with BSPT connection

DirectoValve® ELECTRIC MANIFOLD VALVES		CAN. DOLLARS	
ALL "B" TYPE DIRECTOVALVES ARE AVAILABLE WITH CABLE (C) OR DIN (D) ELECTRICAL CONNECTIONS ALL "430" TYPE DIRECTOVALVES ARE AVAILABLE WITH DIN (D) ELECTRICAL CONNECTIONS		STAINLESS STEEL BALL	POLYPROPYLENE BALL
430FB, 450FB AND 460FB FLOW BACK VALVES 	Stainless Steel Ball & Stem 431EC-3FB-D 2-Way DirectoValve Flow Back Manifold 433EC-3FB-D 2-Way DirectoValve Flow Back Manifold 435EC-3FB-D 2-Way DirectoValve Flow Back Manifold (B)451BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold (B)453BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold (B)455BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold (B)461BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold (B)463BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold (B)465BEC-3FB-C or D 2-Way DirectoValve Flow Back Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT		

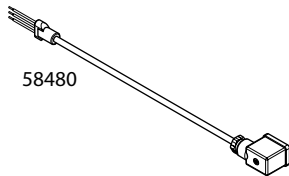
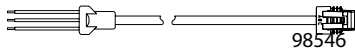
DirectoValve® ELECTRIC MANIFOLD 3-WAY VALVES		CAN. DOLLARS
430 3WAY 	Stainless Steel Ball & Stem 431EC-3-D Shutoff/Bypass DirectoValve Manifold 433EC-3-D Shutoff/Bypass DirectoValve Manifold 435EC-3-D Shutoff/Bypass DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT	
460 3-WAY (E) 	Stainless Steel Ball & Stem (B)461BEC-3E-C or D Shutoff/Bypass DirectoValve Manifold (B)463BEC-3E-C or D Shutoff/Bypass DirectoValve Manifold (B)465BEC-3E-C or D Shutoff/Bypass DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT	
460 3-WAY (C) 	Stainless Steel Ball & Stem (B)461BEC-3C-C or D Shutoff/Bypass DirectoValve Manifold (B)463BEC-3C-C or D Shutoff/Bypass DirectoValve Manifold (B)465BEC-3C-C or D Shutoff/Bypass DirectoValve Manifold Manifold assemblies are available with a variety of inlets/outlets. Contact your TeeJet dealer or sales office for more information. (B) = BSPT	
430 CONTROL VALVE ASSEMBLIES 	98600-A-435EC 2-Way Manifold with Pressure Relief Valve..... 98601-A-435EC Flow Back Manifold with Pressure Relief Valve..... 98602-A-435EC 3-Way Manifold with Pressure Relief Valve..... 98600-B-435EC 2-Way Manifold with Strainer, Pressure Relief and Regulating Valves 98601-B-435EC Flow Back Manifold with Strainer, Pressure Relief and Regulating Valves 98602-B-435EC 3-Way Manifold with Strainer, Pressure Relief and Regulating Valves 98600-C-435EC 2-Way Manifold with Flow Meter, Strainer, Pressure Relief and Regulating Valves..... 98601-C-435EC Flow Back Manifold with Flow Meter, Strainer, Pressure Relief and Regulating Valves..... 98602-C-435EC 3-Way Manifold with Flow Meter, Strainer, Pressure Relief and Regulating Valves..... Control valve assemblies are available in a variety of sizes and configurations. Contact your TeeJet dealer or sales office for more information.	



MINI-DIN CABLES FOR 430 MANIFOLD AND e-CHEMSAVER®

CAN.
DOLLARS

MINI-DIN CABLES



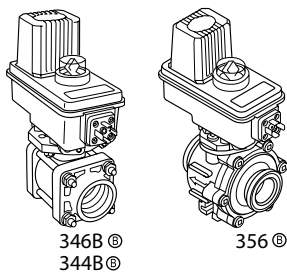
98546EC-05	0.5 Meter MetriPack 3-wire Adapter Cable
98546EC-15	1.5 Meter MetriPack 3-wire Adapter Cable
98546EC-30	3.0 Meter MetriPack 3-wire Adapter Cable
98546EC-60	6.0 Meter MetriPack 3-wire Adapter Cable
58480-0	Mini-Din Connector
58480E(C)-05	0.5 Meter Mini-Din with Flying Leads
58480E(C)-05-*	0.5 Meter Mini-Din with Faston Connection
58480E(C)-05-**	0.5 Meter Mini-Din with Connector
58480E(C)-15	1.5 Meter Mini-Din with Flying Leads
58480E(C)-15-*	1.5 Meter Mini-Din with Faston Connection
58480E(C)-15-**	1.5 Meter Mini-Din with Connector
58480E(C)-30	3.0 Meter Mini-Din with Flying Leads
58480E(C)-30-*	3.0 Meter Mini-Din with Faston Connection
58480E(C)-30-**	3.0 Meter Mini-Din with Connector

Note: E version = 2-wire EC version = 3-wire

DirectoValve® ELECTRICALLY OPERATED VALVES

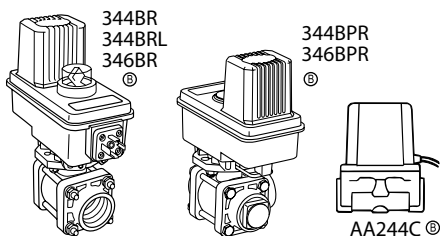
CAN.
DOLLARS

DIRECTOVALVE BALL VALVES



(B)344BEC-2-C or D	3/4", 1", Flanged or Quick Connect 2-Way Electric Shutoff Ball Valve
(B)344BEC-3-C or D	3/4", 1", Flanged or Quick Connect 3-Way Electric Shutoff Ball Valve
(B)344BE-2-C or D	3/4", 1", Flanged or Quick Connect 2-Way Electric Shutoff Ball Valve
(B)344BE-3-C or D	3/4", 1", Flanged or Quick Connect 3-Way Electric Shutoff Ball Valve
356BEC-C or D	Flanged 2-Way Electric Shutoff Trunnion Valve
(B)346BEC-2-C or D	1 1/4", 1 1/2" or Flanged 2-Way Electric Shutoff Ball Valve ...
(B)346BEC-3-C or D	1 1/4", 1 1/2" or Flanged 3-Way Electric Shutoff Ball Valve ...
(B) = BSPT	

PRESSURE REGULATING VALVES



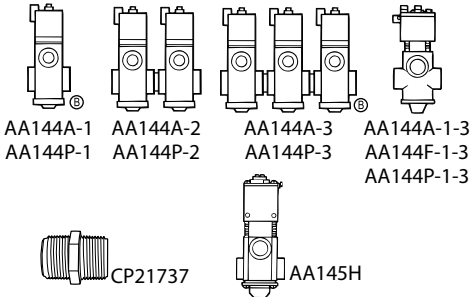
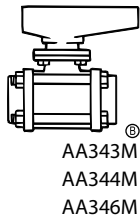
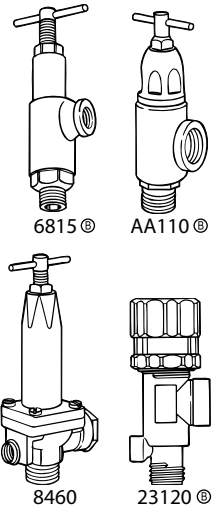
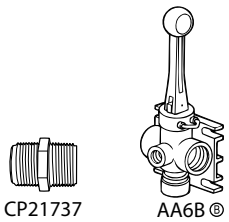
AA244C-3/4	3/4" Nylon Butterfly Regulating Valve
(B)344BR-2-C or D	3/4", 1" or Flanged Regulating Ball Valve
(B)344BRL-2-C or D	3/4", 1" or Flanged Linear Regulating Ball Valve
(B)344BPR-2-C or D	3/4", 1" or Flanged Regulating Ball Valve
(B)346BR-2-C or D	1 1/4", 1 1/2" or Flanged Regulating Ball Valve
(B)346BPR-2-C or D	1 1/4", 1 1/2" or Flanged Regulating Ball Valve
(B)346BPR-3-C or D	1 1/4", 1 1/2" or Flanged Regulating Ball Valve

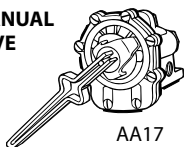
Note: Regulating valves are available in 1, 3 or 6 RPM.

PR valve cycle times are double that of R and RL regulating valves.

(B) = BSPT

ⓑ Also available with BSPT connection

 ELECTRIC SOLENOID VALVES			CAN. DOLLARS
DIRECTOVALVE® CONTROL VALVES ELECTRONICALLY OPERATED			
		AA144A-1 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144A-2 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144A-3 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144P-1 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144P-2 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144P-3 Polypropylene (100 PSI/7 bar, 10 GPM/37.9 l/min rating) AA144A-1-3 Polypropylene (3 way, 65 PSI/4.5 bar, 8 GPM/30 l/min rating) . AA144P-1-3 Polypropylene (3 way, 65 PSI/4.5 bar, 8 GPM/30 l/min rating) . AA144F-1-3 Polypropylene (3 way, 50 PSI/3.5 bar, 8 GPM/30 l/min rating) . AA145H-1 Nylon (100 PSI/7 bar, 15 GPM/56.7 l/min rating) CP21737-NYB ¾" Close Nipple Black Nylon (144A 144P 2-Way).....	
 MANUALLY OPERATED VALVES			CAN. DOLLARS
DIRECTOVALVE BALL VALVES			
		AA(B)343M-2-(3/8 or 1/2)-PP Manually Operated, 2-Way, Polypropylene AA(B)343M-3-(3/8 or 1/2)-PP Manually Operated, 3-Way, Polypropylene AA(B)344M-2-3/4 or 1 Manually Operated, 2-Way, Nylon..... *AA344M-2-F Manually Operated, 2-Way, Nylon..... AA(B)344M-3-3/4 or 1 Manually Operated, 3-Way, Nylon..... AA(B)344M-2-(3/4 or 1)-PP Manually Operated, 2-Way, Polypropylene AA(B)344M-3-(3/4 or 1)-PP Manually Operated, 3-Way, Polypropylene AA(B)346M-2-(1-1/4 or 1-1/2)-PP Manually Operated, 2-Way, Polypropylene AA(B)346M-3-(1-1/4 or 1-1/2)-PP Manually Operated, 3-Way, Polypropylene <i>*See page 13 for 50 Series Flanges</i> <i>(B) = BSPT</i>	
PRESSURE RELIEF/REGULATING VALVES			
		AA(B)110-(1/4 or 3/8)*- Brass AA(B)110-1 Brass AA(B)110-1-DI Ductile Iron AA(B)110-1-AL Aluminum AA(B)110-1-1/4 Brass AA(B)110-(1-1/4 or 1-1/2)-DI Ductile Iron AA(B)110-(1-1/4 or 1-1/2)-AL Aluminum AA(B)110-1-1/2 Brass (B)6815-1/2, -3/4 Brass (B)6815G-1/2-300, -3/4-300 With Guide Vane, Brass (300 PSI/20 bar) (B)6815G-1/2-700, -3/4-700 With Guide Vane, Brass (700 PSI/48 bar) (B)6815-1/2-HSS, -3/4-HSS Brass with Hardened Stainless Steel Valve Seats (not 1200) 8460-1/2, -3/4 Nylon..... (B)23120-(1/2 or 3/4)-PP Polypropylene (B)23120A-(1/2 or 3/4)-PP Polypropylene with Viton and 316-SS (B)23120-1/2-PP-60-VI Polypropylene with Viton..... (B)23120-3/4-PP-60-VI Polypropylene with Viton..... <i>(B) = BSPT</i>	
DIRECTOVALVE MANUALLY OPERATED CONTROL VALVE			
		AA(B)6B Manually Operated Control Valve..... CP21737-NYB ¾" Close Nipple Black Nylon..... <i>(B) = BSPT</i>	

**TEEVALVE® MANUAL
CONTROL VALVE**


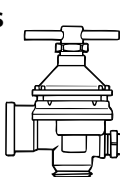
AA17

AA17Y

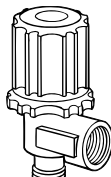
Aluminum, with 1" NPT Inlet Connection

AA17L

Aluminum, with ¾" NPT Inlet Connection

THROTTLING VALVES


12690



23520 ©

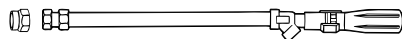
12690-1/2-NYB, -3/4-NYB

Throttling Valve, Nylon

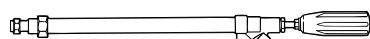
(B)23520-1/2-PP, -3/4-PP

Throttling Valve, Polypropylene.....

(B) = BSPT

GunJet® SPRAY GUNS
**CAN.
DOLLARS**
GUNJET SPRAY GUNS

 AY-HSS
Insert

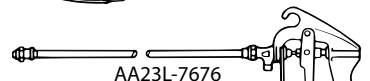
AA2



AA143-AL



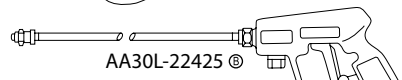
AA23H



AA23L-7676



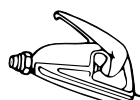
AA30 ©



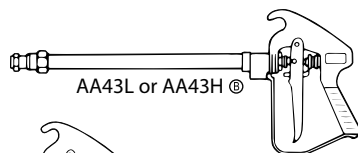
AA30L-22425 ©



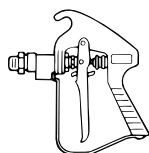
23624-30L ©



AA31 ©



AA43L or AA43H ©


 AA43L
or AA43H


DX-HSS tip

AA2

Brass, with AY-SS — Orifice Insert

AA2A

Brass, with AY-SS — Orifice Insert

AA2A-AL

Aluminum, with AY-SS — Orifice Insert

AA2A-AL

Aluminum, with AY-SS — Orifice Insert

AY-HSS

Orifice Insert only for #2 GunJet

AA143-AL-1/4, 3/4, or -GH

GunJet Aluminum

AA23L

Brass Inlet Body and Cap, less Tip

AA23H

Brass Inlet Body and Cap, less Tip

AA23L-7676-8

(With 8"/20 cm Extension) Brass, with Cap, less Tip

AA23L-7676-18

(With 18"/46 cm Extension) Brass, with Cap, less Tip

AA23L-7676-24

(With 24"/61 cm Extension) Brass, with Cap, less Tip

AA23L-7676-36

(With 36"/91 cm Extension) Brass, with Cap, less Tip

AA23L-7676-48

(With 48"/122 cm Extension) Brass, with Cap, less Tip

AA30L-PP

With Cap, less Tip

AA30L-1/4

With Cap, less Tip

AA30-1/4

With Cap, less Tip

AA30L-22425-8

(With 8"/20 cm Extension) Brass, with Cap, less Tip

AA30L-22425-18

(With 18"/46 cm Extension) Brass, with Cap, less Tip

AA30L-22425-24

(With 24"/61 cm Extension) Brass, with Cap, less Tip

AA30L-22425-36

(With 36"/91 cm Extension) Brass, with Cap, less Tip

AA30L-22425-48

(With 48"/122 cm Extension) Brass, with Cap, less Tip

AA31

Brass, with Cap, less Tip.....

AA31TL

With Trigger Lock, Brass, with Cap, less Tip

23624-30L-1/4

MeterJet Spray Gun

8603

Inlet Strainer for No. 23L and No. 31 GunJet Spray Guns ..

8604

Inlet Strainer for No. 23L and No. 31 GunJet Spray Guns ..

AA43L or 43H

Brass, with D-Disc Tip.....

AA43L-AL or 43H-AL

Aluminum, with D-Disc Tip

AA43LA or 43HA

Brass, with D-Disc Tip.....

AA43LB

Brass, less Cap and Tip.....

AA43LC-1/2, -3/4, 43HC-1/2,

Brass

-3/4

AA43LD

Brass, less Cap and Tip.....

AA43HD

Brass, less Cap and Tip.....

AA43LA-AL or 43HA-AL

Aluminum, with D-Disc Tip

AA43LB-AL or 43HB-AL

Aluminum, less Cap and Tip

AA43LC-1/2, -3/4, 43HC-1/2,

Aluminum

-3/4AL

AA43LD-AL

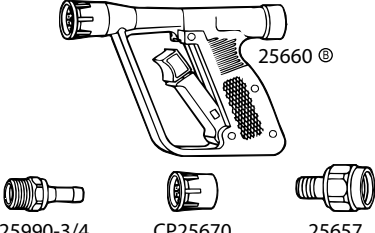
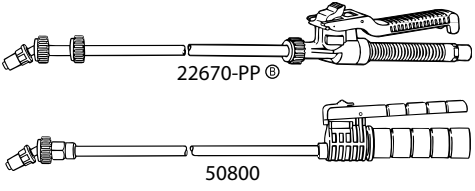
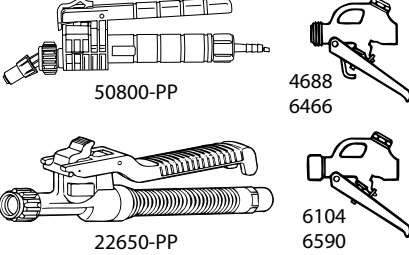
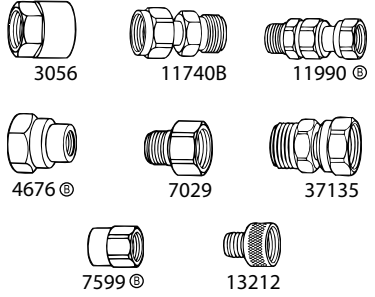
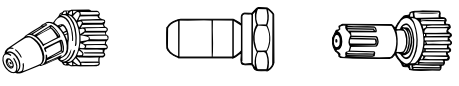
Aluminum, less Cap and Tip

AA43HD-AL

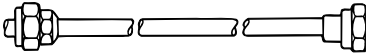
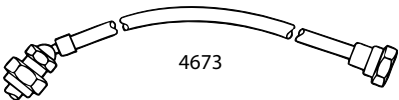
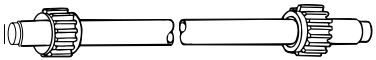
Aluminum, less Cap and Tip

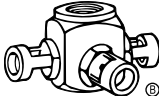
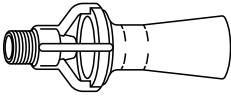
DX-HSS

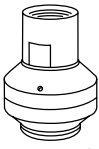
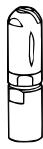
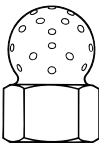
Spray Tip for #43 GunJet, Hardened Stainless Steel

GunJet® SPRAY GUNS AND ACCESSORIES			CAN. DOLLARS
TEEJET® LAWN SPRAY GUN 	25660-1.5, 3.0, or 4.0 TeeJet Lawn Spray Gun with Nozzle 25660-0 TeeJet Lawn Spray Gun without Nozzle CP25670-* -NY Nozzle for TeeJet Lawn Spray Gun 25990-3/4 and -GGH Hose Shank Swivel 25657-NYB Lawn Gun Adapter <i>*Note: Extension No. 22665 can be found on page 20.</i>		
TRIGGERJET® SPRAY GUN WITH EXTENSION, STRAINER AND TIP 	22670-PP-15-* TriggerJet with Extension; Polypropylene, with Spray Tip 22670-PP-24-* TriggerJet with Extension; Polypropylene, with Spray Tip 22570-PP-15-* TriggerJet with Extension; Polypropylene, without Spray Tip.. 22570-PP-24-* TriggerJet with Extension; Polypropylene, without Spray Tip.. 50800-15-PP-* ¼ or ¾ Hose Barb, 15" Extension, with Spray Tip 50800-21AL-* ¼ or ¾ Hose Barb, 21" Extension, with Spray Tip		
TRIGGER VALVES 	50800-PP-* TriggerJet Spray Gun; Polypropylene 22650-PP-* TriggerJet Spray Gun; Polypropylene 4688 Brass 6466 Brass, with Non-locking Trigger 6104 Brass 6590 Brass, with Non-locking Trigger		
SPRAY GUN ACCESSORIES 	3056 Garden Hose Adapter for No. 46 Trigger Valve, Brass 4676-3/4-NPT (F) Outlet Adapter, Brass, for #12 GunJet Spray Guns 7029 (F) x ½" NPT (M) Inlet Adapter with Gasket Brass for #42 and #43 GunJet Spray Guns 7599-1/4-ENP, -3/8-ENP Inlet Adapter for #23 GunJet, Brass 11740B ¾" Garden Hose Swivel, Brass 11990-6 ¼" NPS Swivel, Brass 11990-18, -19 ½" NPT (M) Swivel, Brass, for #43 and #143 GunJet Spray Guns 13212-3/8, -1/2 Garden Hose Adapter 37135-1 Heavy Duty Swivel with 1" Inlet, 1" Outlet		
ADJUSTABLE CONEJET® TIPS 	38720-PPB-X8,-X12,-X18,-X26 Adjustable ConeJet Tip 5500-PPB- Polypropylene 5500- Brass 5780-AX Brass 12430-AY-HSS Brass with Hardened Stainless Steel Orifice and Core Insert ...		

ⓑ Also available with BSPT connection

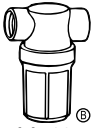
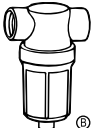
GunJet® SPRAY GUNS AND ACCESSORIES			CAN. DOLLARS
TRIGGER VALVE EXTENSIONS— Less Tip, Strainer and Cap  7715  4673  6671  9527  22665	7715-8	8"/20 cm Straight Extension	
	7715-18	18"/46 cm Straight Extension	
	7715-24	24"/61 cm Straight Extension	
	7715-30	30"/76 cm Straight Extension	
	7715-36	36"/91 cm Straight Extension	
	7715-48	48"/122 cm Straight Extension	
	4673-8	8"/20 cm Curved Extension with Adjustable Body	
	4673-18	18"/46 cm Curved Extension with Adjustable Body	
	4673-24	24"/61 cm Curved Extension with Adjustable Body	
	4673-30	30"/76 cm Curved Extension with Adjustable Body	
	4673-36	36"/91 cm Curved Extension with Adjustable Body	
	4673-48	48"/122 cm Curved Extension with Adjustable Body	
	6671-8	8"/20 cm Curved Extension with Fixed Nozzle Body	
	6671-18	18"/46 cm Curved Extension with Fixed Nozzle Body	
	6671-24	24"/61 cm Curved Extension with Fixed Nozzle Body	
	6671-30	30"/76 cm Curved Extension with Fixed Nozzle Body	
	6671-36	36"/91 cm Curved Extension with Fixed Nozzle Body	
	6671-48	48"/122 cm Curved Extension with Fixed Nozzle Body	
	9527-8	8"/20 cm High Pressure Curved Extension	
	9527-18	18"/46 cm High Pressure Curved Extension	
	9527-24	24"/61 cm High Pressure Curved Extension	
	9527-36	36"/91 cm High Pressure Curved Extension	
	9527-48	48"/122 cm High Pressure Curved Extension	
	22665-15-PP	TriggerJet Extension (15"/38 cm)	
	22665-24-PP	TriggerJet Extension (24"/610 cm)	

TeeJet® TECHNOLOGIES TANK AGITATION AND CONTAINER RINSING NOZZLES			CAN. DOLLARS
JET AGITATORS & EDUCTORS  6290 ® or 12381  6290SC or 12381SC  Y33180-PP, Y9270-PP & 46550-PP	6290-*	Brass	
	6290-*-SS	Stainless Steel	
	6290SC-*	With Suction Caps, Brass	
	6290SC-*-SS	With Suction Caps, Stainless Steel	
	12381-*	Brass	
	12381-*-SS	Stainless Steel	
	12381-*-PP	Brass with Polypropylene Caps	
	12381SS-*-PP	Stainless Steel with Polypropylene Caps	
	12381SC-*-NYB	With Suction Caps, Brass with Nylon Caps	
	12381SC-SS-*-NYB	With Suction Caps, Stainless Steel with Nylon Caps	
	Y33180-PP and Y9270-PP	Eductor Nozzle.	
	46550-1/4-PP	Eductor Nozzle.	
	46550-1-1/2-PP	Eductor Nozzle.	

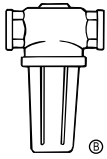
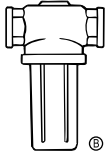
TANK & CONTAINER RINSING NOZZLES  55270 ®  D41892 ®  23240 ®  VSM ®	55270-1/2-11-POM	Tank Rinsing Nozzle	
	55270-3/4-18-POM	Tank Rinsing Nozzle	
	D41892-1/2-POM-6	Rotary Tank Rinsing Nozzle	
	23240-3-316SS-5.7-316SS	Container Rinsing Nozzle	
	23240-3-316SS-7-316SS	Container Rinsing Nozzle	
	VSM-1/2	Nylon 28, 44, 90 Container Rinsing Nozzle	

® Also available with BSPT connection

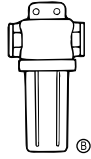
AA122 LINE STRAINERS

	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
 AA122  37270-122-PP	AA122-1/2-PP AA122ML-1/2-PP 37270-122-1/2-PP	1/2"	Polypropylene	Polypropylene		CP23174-1-304SS CP23174-2-304SS	16 30	
	AA122-3/4-PP AA122ML-3/4-PP 37270-122-3/4-PP	3/4"				CP45102-3-SSPP* CP45102-4-SSPP* CP45102-5-SSPP*	50 80 100	

AA124A LINE STRAINERS

	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
 AA124A  AA124	AA124A-3/4-I	3/4"	Cast Iron	Nylon		CP16903-1-SSPP*	16	
	AA124A-3/4-AL		Aluminum			CP16903-3-SSPP*	30	
	AA124A-1-I	1"	Cast Iron			CP16903-4-SSPP*	50	
	AA124A-1-AL		Aluminum			CP16903-5-SSPP*	80	
	AA124-1-1/4-I	1 1/4"	Cast Iron			CP15941-1-SSPP*	16	
	AA124-1-1/4-AL		Aluminum			CP15941-2-SSPP*	30	
	AA124-1-1/2-I	1 1/2"	Cast Iron			CP15941-3-SSPP*	50	
	AA124-1-1/2-AL		Aluminum			CP15941-4-SSPP*	80	
	AA124-2-I	2"	Cast Iron			CP14634-1-SS	16	
	AA124-2-AL		Aluminum			CP14634-2-SS	30	
	AA124-2-1/2-I	2 1/2"	Cast Iron			CP14634-3-SS	50	
	AA124-2-1/2-AL		Aluminum			CP14634-4-SS	80	

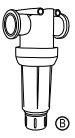
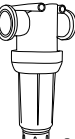
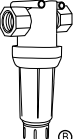
AA124ML LINE STRAINERS WITH MOUNTING LUGS

	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
 AA124ML	AA124ML-3/4-AL	3/4"	Aluminum	Nylon		CP16903-1-SSPP* CP16903-3-SSPP* CP16903-4-SSPP* CP16903-5-SSPP*	16 30 50 80	
	AA124ML-1-AL	1"						
	AA124ML-1-1/4-AL	1 1/4"				CP15941-1-SSPP* CP15941-2-SSPP* CP15941-3-SSPP* CP15941-4-SSPP*	16 30 50 80	
	AA124ML-1-1/2-AL	1 1/2"						
	AA124ML-2-AL	2"				CP14634-1-SS CP14634-2-SS CP14634-3-SS CP14634-4-SS	16 30 50 80	
	AA124ML-2-1/2-AL	2 1/2"						

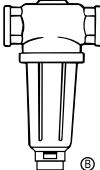
*With Polypropylene frame

(B) Also available with BSPT connection

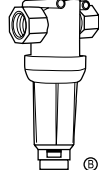
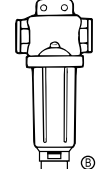
AA126-PP FLUSH-OUT STRAINER WITH MOUNTING LUGS

	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
 AA126-3 or 4	AA126ML-F50	50 Series Flange	Polypropylene	Polypropylene		CP16903-1-SSPP*	16	
	AA126ML-3	¾" NPT				CP16903-3-SSPP*	30	
	AA126ML-4	1" NPT				CP16903-4-SSPP*	50	
 AA126-F50	AA126ML-F75	75 Series Flange	Polypropylene	Polypropylene		CP16903-5-SSPP*	80	
	AA126ML-5	1¼" NPT				CP16903-6-SSPP*	100	
	AA126ML-6	1½" NPT				CP16903-7-SSPP*	200	
 AA126-F75	AA126ML-5	1¼" NPT	Polypropylene	Polypropylene		CP15941-1-SSPP*	16	
	AA126ML-6	1½" NPT				CP15941-2-SSPP*	30	
						CP15941-3-SSPP*	50	
						CP15941-4-SSPP*	80	
 AA126-5 or 6			Polypropylene	Polypropylene		CP15941-5-SSPP*	100	
						CP15941-6-SSPP*	120	

AA124A SELF-CLEANING LINE STRAINERS

	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
 AA124A-SC	AA124A-3/4SC-AL	¾"	Aluminum	Nylon		CP12285-1-SS	16	
	AA124A-1SC-AL	1"				CP12285-4-SS	30	
						CP12285-2-SS	50	
						CP12285-3-SS	80	
	AA124-1-1/4SC-AL	1¼"	Aluminum	Nylon		CP12285-6-SS	100	
	AA124-1-1/2SC-AL	1½"				CP12290-1-SS	16	
						CP12290-2-SS	30	
						CP12290-3-SS	50	
			Aluminum	Nylon		CP12290-4-SS	80	
						CP12290-8-SS	100	

SELF-CLEANING LINE STRAINERS WITH MOUNTING LUGS

 AA126ML-3 or 4SC	STRAINER NO.	PIPE CONN. NPT (F)	MATERIAL		CAN. DOLLARS (STRAINER & SCREEN)	SCREEN NO.	MESH	CAN. DOLLARS (SCREEN ONLY)
			HEAD	BOWL				
	AA126MLSC-3	¾"	Polypropylene			CP12285-1-SS	16	
	AA124ML-3/4SC-AL		Aluminum	Nylon				
AA126MLSC-4	1"	Polypropylene			CP12285-2-SS	50		
AA124ML-1SC-AL		Aluminum	Nylon		CP12285-3-SS	80		
	AA126MLSC-F50	Flange	Polypropylene			CP12285-6-SS	100	
 AA124ML-SC	AA126MLSC-5	1¼"	Polypropylene			CP12290-1-SS	16	
	AA124ML-1-1/4SC-AL		Aluminum	Nylon		CP12290-2-SS	30	
	AA126MLSC-6	1½"	Polypropylene			CP12290-3-SS	50	
	AA124ML-1-1/2SC-AL		Aluminum	Nylon		CP12290-4-SS	80	
	AA126MLSC-F75	Flange	Polypropylene			CP12290-8-SS	100	

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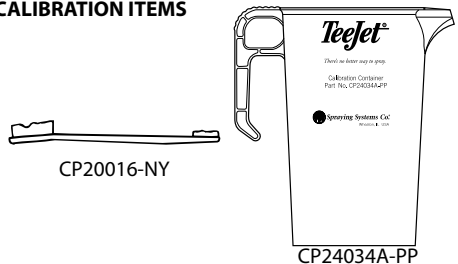
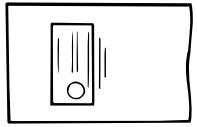
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PART NO.	DESCRIPTION	CAN. DOLLARS	PART NO.	DESCRIPTION	CAN. DOLLARS
AB11990-14/16-KIT	REPAIR KIT, SWIVEL		AB47-KIT	SPARE PARTS KIT 47	
AB11990-17/19-KIT	REPAIR KIT, SWIVEL		AB47-SS-KIT	SPARE PARTS KIT 47	
AB11990-20/21-KIT	REPAIR KIT, SWIVEL		AB55140-30L-KIT	REPAIR KIT	
AB11990-6/13-KIT	REPAIR KIT, SWIVEL		AB55140-30L-VI-KIT	VITON REPAIR KIT	
AB11990-60/65-KIT	REPAIR KIT, SWIVEL		AB56720-KIT	SPARE PARTS KIT	
AB12328-KIT	SPARE PARTS KIT, 12328		AB60-SS-KIT	SPARE PARTS KIT, SS	
AB12690-KIT	REPAIR KIT, 12690		AB60W-KIT	SPARE PARTS KIT 60W	
AB126ML-50-EPR-KIT	126 REPAIR KIT		AB6104-KIT	REPAIR KIT, TRIGGER VALVE	
AB126ML-50-VI-KIT	126 REPAIR KIT		AB6466-KIT	PARTS KIT, TRIGGER TEEJET	
AB126ML-F75-EPR-KIT	126 REPAIR KIT		AB6590-KIT	PARTS KIT, TRIGGER VALVE	
AB12AS-KIT	SUPER REPAIR KIT, 12A		AB6815-300-KIT	REPAIR KIT, 6815	
AB12S-AL-KIT	SUPER PARTS KIT, 12-AL		AB6815-50-KIT	REPAIR KIT 6815-50LB	
AB12S-KIT	SUPER REPAIR KIT, 12		AB6815-700-KIT	REPAIR KIT, 6815	
AB13833-KIT	REPAIR KIT 13833		AB6815-AL-700-KIT	REPAIR KIT, 6815-AL	
AB13845-KIT	SPARE PARTS KIT GUNJET		AB6815-AL-HSS-1200-KIT	REPAIR KIT, 6815-AL-HSS	
AB144P-1-3-KIT	REPAIR KIT		AB6815-AL-HSS-300-KIT	REPAIR KIT, 6815-AL-HSS	
AB145H-1-KIT	PARTS KIT DIRECTOVALVE		AB6815-AL-HSS-700-KIT	REPAIR KIT, 6815-AL-HSS	
AB145H-VI-KIT	PARTS KIT DIRECTOVALVE		AB6815G-300-KIT	REPAIR KIT, 6815G	
AB15950-KIT	SPARE PARTS KIT		AB6815G-700-KIT	REPAIR KIT, 6815G	
AB16027-KIT	SPARE PARTS KIT		AB6815G-AL-300-KIT	REPAIR KIT, 6815G-AL	
AB21550-KIT	SPARE PARTS KIT		AB6815G-AL-700-KIT	REPAIR KIT, 6815G-AL	
AB23240-316SS-316SS-KIT	SPARE PARTS KIT		AB6815G-AL-HSS-300-KIT	REPAIR KIT, 6815G-AL-HSS	
AB23600-1-KIT	METERJET REPAIR KIT		AB6815G-AL-HSS-700-KIT	REPAIR KIT, 6815G-AL-HSS	
AB23600-2-KIT	METERJET REPAIR KIT		AB6815G-HSS-300-KIT	REPAIR KIT, 6815G-HSS	
AB23623-31-KIT	SPARE PARTS KIT		AB6815G-HSS-700-KIT	REPAIR KIT, 6815G-HSS	
AB23624-30L-1/4-KIT	SPARE PARTS KIT		AB6815-HSS-1200-KIT	REPAIR KIT, 6815-HSS	
AB23770-SS-KIT	SPARE PARTS KIT, SS		AB6815-HSS-300-KIT	REPAIR KIT, 6815-HSS	
AB23990-KIT	SPARE PARTS KIT		AB6815-HSS-700-KIT	REPAIR KIT, 6815-HSS	
AB23H-SS-KIT	SPARE PARTS KIT GUNJET		AB80-KIT	SPARE PARTS KIT 80	
AB23L-7676-KIT	PARTS REPAIR KIT		AB9840-KIT	PARTS KIT, PR.REL.VLV	
AB23L-SS-KIT	SPARE PARTS KIT GUNJET		AB98450-KIT	ROLLOVER VALVE PARTS KIT	
AB23PC-KIT	SPARE PARTS KIT GUNJET		AB98499-KIT	430 ACC MOUNTING KIT	
AB24055-KIT	SPARE PARTS KIT		ABAIXR-KIT	AIXR O-RING 25PCS	
AB27H-KIT	SPARE PARTS KIT GUNJET		ABCK43A-AL-KIT	CONVERSION KIT AL.	
AB27H-SS-KIT	SPARE PARTS KIT		ABCK43A-KIT	CONVERSION KIT BR.	
AB27L-KIT	REPAIR KIT, 27L GUNJET		ABCK43-AL-KIT	CONVERSION KIT AL.	
AB27L-SS-KIT	SPARE PARTS KIT		ABCK43-KIT	CONVERSION KIT BR.	
AB2S-AL-KIT	SUPER REPAIR KIT, 2AL		ABPW4000A-KIT	SPARE PARTS KIT	
AB2S-KIT	SUPER REPAIR KIT, 2		ABPW4000AS-KIT	REPAIR KIT	
AB30-20940-KIT	SPARE PARTS KIT		ABPW4000ASW-KIT	REPAIR KIT	
AB30A-50736-KIT	A VERSION GUNJET KIT		ABPW4000AW-KIT	SPARE PARTS KIT	
AB30A-VI-KIT	A VERSION GUNJET KIT		PK-AB12A-KIT	REPAIR KIT	
AB30AW-KIT	A VERSION GUNJET KIT		PK-AB12-AL-KIT	REPAIR KIT	
AB30L-KIT	30L GUNJET REPAIR KIT		PK-AB12-KIT	REPAIR KIT	
AB30L-VI-KIT	30L VITON REPAIR KIT		PK-AB143-AL-KIT	REPAIR KIT	
AB30-VI-KIT	GUNJET REPAIR KIT		PK-AB143-KIT	REPAIR KIT	
AB30W-KIT	GUNJET REPAIR KIT		PK-AB144-1-3-KIT	REPAIR KIT	
AB31-9525-KIT	SPARE PARTS KIT, GUNJET		PK-AB144-1-KIT	REPAIR KIT	
AB31-KIT	SPARE PARTS KIT, GUNJET		PK-AB144-1-VI-KIT	REPAIR KIT, VITON	
AB343M-2-PP-KIT	SPARE PARTS KIT		PK-AB144A-1-3-KIT	REPAIR KIT	
AB343M-3-PP-KIT	SPARE PARTS KIT		PK-AB144A-1-3-VI-KIT	REPAIR KIT, VITON	
AB344-2-KIT	344M-2 REPAIR KIT		PK-AB144A-1-KIT	REPAIR KIT	
AB344-3-KIT	344M-3 REPAIR KIT		PK-AB144A-1-VI-KIT	REPAIR KIT, VITON	
AB344AE-KIT	344A & B REPAIR KIT		PK-AB144P-1-KIT	REPAIR KIT	
AB346B-KIT	SPARE PARTS KIT		PK-AB145H-KIT	REPAIR KIT	
AB346M-2-PP-KIT	SPARE PARTS KIT		PK-AB17-KIT	REPAIR KIT	
AB346M-3-PP-KIT	SPARE PARTS KIT		PK-AB18-AL-KIT	REPAIR KIT	
AB356-KIT	356 TRUN VLV KIT		PK-AB18-KIT	REPAIR KIT	
AB36-SS-KIT	REPAIR KIT, 36 VLV, SS		PK-AB22650-PP-KIT	REPAIR KIT	
AB39535-D-KIT	SPARE PARTS KIT		PK-AB22670-PP-KIT	REPAIR KIT	
AB39535-P-KIT	SPARE PARTS KIT		PK-AB23120-60-VI-KIT	REPAIR KIT	
AB430-KIT	PARTS KIT, 430		PK-AB23120A-KIT	REPAIR KIT	
AB43-11767-KIT	SPARE PARTS KIT, GUNJET		PK-AB23120-KIT	REPAIR KIT	
AB43-12605-KIT	SPARE PARTS KIT, GUNJET		PK-AB23H-KIT	REPAIR KIT	
AB43B-KIT	SPARE PARTS KIT, GUNJET		PK-AB23L-KIT	REPAIR KIT	
AB43BS-KIT	SUPER REPAIR KIT 43B		PK-AB244C-KIT	SPARE PARTS KIT	
AB43C-KIT	SPARE PARTS KIT, GUNJET		PK-AB25660-KIT	REPAIR KIT	
AB43CS-KIT	SUPER REPAIR KIT 43C		PK-AB2A-AL-KIT	REPAIR KIT	
AB43D-KIT	SPARE PARTS KIT, GUNJET		PK-AB2A-KIT	REPAIR KIT	
AB43DS-KIT	SUPER REPAIR KIT 43D		PK-AB2-AL-KIT	REPAIR KIT	
AB460-KIT	SPARE PARTS KIT		PK-AB2-KIT	REPAIR KIT	
AB47-11767-KIT	SPARE PARTS KIT, GUNJET		PK-AB30-KIT	REPAIR KIT	
AB47-12605-KIT	SPARE PARTS KIT		PK-AB30L-PP-KIT	REPAIR KIT	

PART NO.	DESCRIPTION	CAN. DOLLARS	PART NO.	DESCRIPTION	CAN. DOLLARS
PK-AB31-KIT	REPAIR KIT		PK-AB6815-300-KIT	REPAIR KIT	
PK-AB36-KIT	REPAIR KIT		PK-AB6815-AL-300-KIT	REPAIR KIT	
PK-AB43-AL-KIT	REPAIR KIT		PK-AB6B-KIT	REPAIR KIT	
PK-AB43-KIT	REPAIR KIT		PK-AB8460-50-KIT	REPAIR KIT 8460-*-50	
PK-AB4688-KIT	REPAIR KIT		PK-AB8460-KIT	REPAIR KIT	
PK-AB46-KIT	REPAIR KIT		PK-AB8460-VI-KIT	REPAIR KIT	
PK-AB60-KIT	REPAIR KIT				

 SPRAYER CALIBRATION ACCESSORIES				CAN. DOLLARS
CALIBRATION ITEMS 		CP24034A-PP	TeeJet Calibration Container.....	
		CP20016-NY	TeeJet Cleaning Brush.....	
SPRAY CHECK PAPERS 		20301-1N	Water Sensitive Spray Paper 1" x 3" Cards; 50 Cards/Pkg	
		20301-2N	Water Sensitive Spray Paper 2" x 3" Cards; 50 Cards/Pkg	
		20301-3N	Water Sensitive Spray Paper 1" x 20" Strips; 25 Strips/Pkg	
		20302-1	Oil Sensitive Spray Paper 2" x 3" Cards; 50 Cards/Pkg	

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CENTRIFUGAL PUMPS

Most Hypro centrifugal pumps come standard with a stainless steel shaft.

**Ready for use
with Roundup®!**

Individually Tested

Additional features:

- Life Guard® silicon carbide seals standard in all stainless steel models
- Viton® mechanical seals standard in all cast iron and polypropylene models
- Stainless steel wear rings standard in all cast iron models
- Corrosion-resistant impellers standard in all models

Rotation, clockwise or counterclockwise, is determined when looking at the shaft end of the pump.

Roundup is a registered trademark of Monsanto Company.

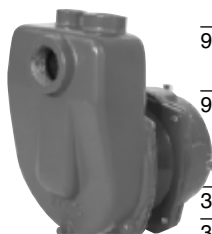
9000 Series Cast Iron, Gear-Driven Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9006C-O	117	78	600	Cast iron pump with oil-lubricated gear drive and 1 3/8" 540 rpm female PTO hub with locking collar and mounting clip. Clips pump to PTO shield of most tractors. 1 1/2" Inlet, 1 1/4" outlet.	45 lbs.	
9008C-O	115	76	1000	Cast iron pump with oil-lubricated gear drive and 1 3/8" 1000 rpm female PTO hub with locking collar and mounting clip. Clips pump to PTO shield of most tractors. 1 1/2" Inlet, 1 1/4" outlet.	46 lbs.	
9016C-O	117	78	600	Cast iron pump with oil-lubricated gear drive and 1" solid shaft, ports (NPT): 1 1/2" Inlet, 1 1/4" outlet.	43 lbs.	
9018C-O	115	76	1000	Cast iron pump with oil-lubricated gear drive and 1" solid shaft, ports (NPT): 1 1/2" Inlet, 1 1/4" outlet.	43 lbs.	
9028C-O	115	76	1000	Cast iron pump with oil-lubricated gear drive and 1 3/8" 1000 rpm female PTO hub with locking collar and mounting clip. Clips pump to PTO shield of most tractors. 1 1/2" Inlet, 1 1/4" outlet.	49 lbs.	
3430-0334	Seal and o-ring repair kit				4 oz.	
3430-0591	Life Guard® silicon carbide seal kit				4 oz.	

Available by special order: Life Guard® silicon carbide seal- Add Suffix "B"- (i.e.: 9006C-O-B) -Add \$123.17

9000 Series Self-Priming Cast Iron, Gear-Driven Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9006C-O-SP	120	77	600	Cast iron pump with oil-lubricated gear drive and 1 3/8" 540 rpm PTO hub with locking collar and mounting clip. Clips pump to PTO shield of most tractors, 1 1/2" Inlet, 1 1/4" outlet NPT ports.	57 lbs.	
9016C-O-SP	120	77	600	Cast iron pump with oil-lubricated gear drive and 1" solid shaft, 1 1/2" Inlet, 1 1/4" outlet NPT ports.	57 lbs.	
9028C-O-SP	117	69	1000	Cast iron pump with oil-lubricated gear drive and 1 3/8" 1000 rpm PTO hub with locking collar and mounting clip. Clips pump to PTO shield of most tractors, 1 1/2" Inlet, 1 1/4" outlet NPT ports.	59 lbs.	
3430-0334	Seal and o-ring repair kit				4 oz.	
3430-0591	Life Guard® silicon carbide seal kit				4 oz.	
3430-0480SP	Self-priming chamber kit				21 lbs.	

Available by special order: Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9016C-O-B-SP) -

PTO Mounting Clips



Part Number	For Pump Series	Estimated Weight Each	List Price
1520-0034	9000P-O and 9000C-O (not for 9040 Series)	4 lbs.	

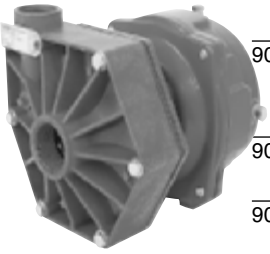
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CENTRIFUGAL PUMPS



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9006P-O	97	83	600	Corrosion-resistant and durable polypropylene pump with oil-bath lubricated gear drive for PTO mounting. Viton® seals and 1½" 540 rpm female PTO hub w/locking collar kit.	37 lbs.	
9008P-O	86	67	1000	Corrosion-resistant and durable polypropylene pump with oil-bath lubricated gear drive for PTO mounting. Viton® seals and 1½" 1000 rpm female PTO hub with locking collar kit.	37 lbs.	
9016P-O	97	83	600	Corrosion-resistant and durable polypropylene pump with oil-bath lubricated gear drive and 1" solid shaft. Viton® seals.	37 lbs.	
9018P-O	86	67	1000	Corrosion-resistant and durable polypropylene pump with oil-bath lubricated gear drive and 1" solid shaft. Viton® seals.	37 lbs.	
3430-0333	Seal and o-ring repair kit				4 oz.	
3430-0590	Life Guard® silicon carbide seal kit				4 oz.	

Available by special order: Life Guard®silicon carbide seal- Add Suffix "B"- (i.e.: 9006P-O-B)

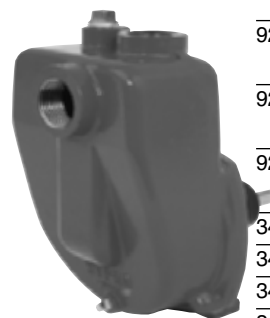
9200 Series Cast Iron, Pedestal-Mount Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9202C	105	170	6000	Pedestal mount, cast iron pump with ⅝" solid shaft and Viton® shaft seal. 1¼" Inlet; 1" outlet NPT ports.	17 lbs.	
9203C†	140	170	6000	Pedestal mount, cast iron pump with ⅝" solid shaft and Viton® shaft seal. 1½" Inlet, 1¼" outlet NPT ports.	17 lbs.	
9203C-R	140	170	6000	Pedestal mount, clockwise rotation cast iron pump, with ⅝" solid shaft, Viton® seal and 1½" x 1¼" NPT ports.	17 lbs.	
9205C	180	190	4200	Pedestal mount, cast iron pump with ⅝" solid keyed shaft, Viton® seal, and 2" inlet x 1½" outlet NPT ports.	38 lbs.	
9206C††	225	80	4200	Pedestal mount, cast iron pump with ⅝" solid shaft and Viton® shaft seal. 2" Inlet, 1½" outlet NPT ports.	23 lbs.	
3430-0332	Seal and o-ring repair				3 oz.	
3430-0537	Seal and o-ring repair kit (9205 models)				4 oz.	
3430-0589	Life Guard® silicon carbide seal kit				3 oz.	
3430-0646	Life Guard® silicon carbide seal kit (9205 models)				4 oz.	

Life Guard®silicon carbide seal - Add Suffix "B" - (i.e.: 9203C-B)

9200 Series Self-Priming, Cast Iron, Pedestal-Mount Models

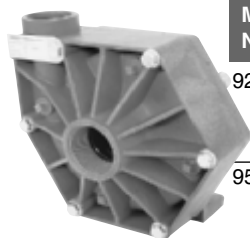


Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9203C-SP	120	157	5500	Self-priming, pedestal mount, cast iron pump with ⅝" solid shaft, Viton® seal, and 1½" inlet, 1¼" outlet NPT ports.	30 lbs.	
9203C-R-SP	140	155	5500	Self-priming, pedestal mount, clockwise rotation cast iron pump with ⅝" solid shaft, Viton® seal, and 2" x 2" NPT ports.	30 lbs.	
9205C-SP	180	120	3800	Self-priming, pedestal mount, cast iron pump with ⅝" solid keyed shaft, Viton® seal, and 2" inlet x 2" outlet NPT ports.	64 lbs.	
9205C-BSP	180	120	3800	Self-priming, pedestal mount, cast iron pump with ⅝" solid keyed shaft, Viton® seal, and 2" x 2" BSP ports.	48 lbs.	
3430-0332	Seal and o-ring repair kit (9203 models)				3 oz.	
3430-0537	Seal and o-ring repair kit (9205 models)				4 oz.	
3430-0589	Life Guard® silicon carbide seal kit (9203 models)				3 oz.	
3430-0646	Life Guard® silicon carbide seal kit (9205 models)				4 oz.	
3430-0480SP	Self-priming chamber kit (9203 models)				21 lbs.	
3430-0481SP	Self-priming chamber kit (9205 models)				37 lbs.	
3430-0482SP	Self-priming chamber kit for reverse rotation ONLY				26 lbs.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9203C-SP-B)

CENTRIFUGAL PUMPS

9200 and 9500 Series Polypropylene Pedestal-Mount Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9203P-S	100	80	4200	Pedestal mount pump designed for direct drive with an electric motor or belt and pulley drive with an electric motor or gas engine, 5/8" solid keyed 316 stainless steel shaft, 1 1/2" inlet 1 1/4" outlet.	14 lbs.	
9500P-S	100	80	4200	Clockwise rotation pedestal mounted pump designed for direct drive with a gas engine or electric motor, 5/8" solid keyed 316 stainless steel shaft, 1 1/2" inlet 1 1/4" outlet.	13 lbs.	
3430-0333	Seal and o-ring repair kit				4 oz.	
3430-0590	Life Guard® silicon carbide seal kit				4 oz.	

9200 Series Stainless Steel, Pedestal-Mount Models



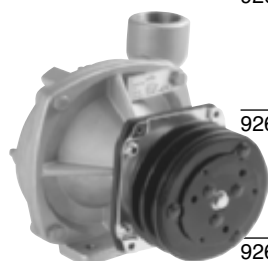
Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9202S	105	170	6000	Pedestal mount, 316 stainless steel pump with 5/8" solid 416 stainless steel shaft and Life Guard® silicon carbide shaft seal . Ports (NPT): 1 1/4" inlet; 1" outlet.	18 lbs.	
9203S	140	170	6000	Pedestal mount, 316 stainless steel pump with 5/8" solid 416 stainless steel shaft and Life Guard® silicon carbide shaft seal . Ports (NPT): 1 1/2" inlet, 1 1/4" outlet.	19 lbs.	
9203S-R	140	170	6000	Pedestal mount, clockwise rotation, 316 stainless steel pump with 5/8" solid 416 stainless steel shaft and Life Guard® silicon carbide shaft seal . Ports (NPT): 1 1/2" inlet, 1 1/4" outlet.	19 lbs.	
9206S	225	80	4200	Pedestal mount, 316 stainless steel pump with 5/8" solid 416 stainless steel shaft and Life Guard® silicon carbide shaft seal . Ports (NPT): 2" inlet, 1 1/2" outlet.	23 lbs.	

9200 Series Self-Priming, Stainless Steel, Pedestal-Mount Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9203S-SP	120	157	5500	Self-priming, pedestal mount, 316 stainless steel pump with 5/8" solid 416 stainless steel shaft and Life Guard® silicon carbide shaft seal . Ports (NPT): 1 1/2" inlet, 1 1/4" outlet.	38 lbs.	

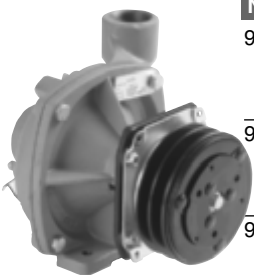
9200 Series Stainless Steel, Pedestal-Mount Models with 12-Volt Clutch



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9262S-C	88	124	6000	Pedestal mount, stainless steel pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, 416 stainless steel shaft and Life Guard® silicon carbide shaft seal , 1 1/4" NPT inlet, 1" NPT outlet, counterclockwise rotation.	27 lbs.	
9263S-C	140	124	6000	Pedestal mount, stainless steel pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, (3430-0592), 416 stainless steel shaft and Life Guard® silicon carbide shaft seal , 1 1/2" NPT inlet, 1 1/4" NPT outlet, counterclockwise rotation.	26 lbs.	
9263S-CR	140	124	6000	Pedestal mount, stainless steel pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, (3430-0592), 416 stainless steel shaft and Life Guard® silicon carbide shaft seal , 1 1/2" NPT inlet, 1 1/4" NPT outlet, clockwise rotation.	26 lbs.	

CENTRIFUGAL PUMPS

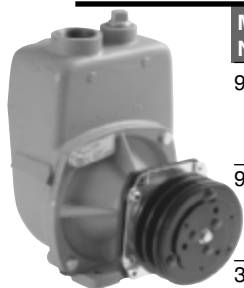
9200 Series Cast Iron, Pedestal-Mount Models with 12-Volt Clutch



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9262C-C	88	124	6000	Pedestal mount, cast iron pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, 1½" NPT inlet, 1" NPT outlet, counterclockwise rotation.	25 lbs.	
9263C-C†	140	124	6000	Pedestal mount, cast iron pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, 1½" NPT inlet, 1½" NPT outlet, counterclockwise rotation.	25 lbs.	
9263C-CR	140	124	6000	Pedestal mount, cast iron pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, (3430-0592) 1½" NPT inlet, 1½" NPT outlet, clockwise rotation.	25 lbs.	
3430-0332	Seal and o-ring repair kit				3 oz.	
3430-0589	Life Guard® silicon carbide seal kit				3 oz.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9263C-CB)

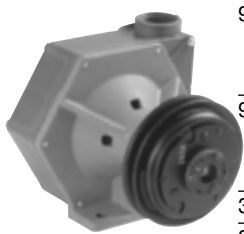
9200 Series Self-Priming Cast Iron, Pedestal-Mount Models with 12-Volt Clutch



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9263C-C-SP	120	157	6000	Pedestal mount, cast iron pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, 1½" NPT inlet, 1½" NPT outlet, counterclockwise rotation.	40 lbs.	
9263C-CR-SP	140	155	6000	Pedestal mount, cast iron pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, (3430-0592) 2" NPT inlet, 2" NPT outlet, clockwise rotation.	42 lbs.	
3430-0589	Life Guard® silicon carbide seal kit				3 oz.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9263C-C-SP-B)

9200 Series Polypropylene, Pedestal-Mount Models with 12-Volt Clutch



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9253P-C	100	80	4200	Pedestal mount, polypropylene pump with 12-volt heavy duty clutch with 5¼" diameter A-section pulley, 1½" NPT inlet, 1¼" NPT outlet, counterclockwise rotation.	20 lbs.	
9553P-C	100	80	4200	Pedestal mount, polypropylene pump with 12-volt heavy duty clutch with 5¼" diameter A-section pulley, 1½" NPT inlet 1¼" NPT outlet, clockwise rotation.	19 lbs.	
3430-0333	Seal and o-ring repair kit				4 oz.	
3430-0590	Life Guard® silicon carbide seal kit				3 oz.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9553P-C-B) -

12 Volt Clutch



Part Number	Shaft Size	Pulley Type	Max. HP	Max. RPM	Max. AMPS @ 12V	For Pump Model	Estimated Weight Ea.	List Price
2526-0011	⅝"	5.25"-A	30	5000	4.85	9203P, 9253P-C, 9500P-S, 9205C, 9205C-SP	8 lbs.	
3430-0592	⅝"	5.00" Double Groove-A	30	5000	3.75	9202C, 9203C, 9204C, 9203C-R, 9262C-C, 9263C-C, 9263C-CR, 9203C-SP, 9262S-C, 9263S-C, 9263S-CR, 9263C-C-SP, 9263C-CR-SP	9 lbs.	

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CENTRIFUGAL PUMPS

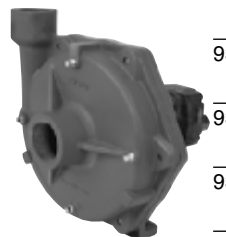
9200 Series Self-Priming, Stainless Steel, Pedestal-Mount Models with 12-Volt Clutch



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9263S-C-SP	120	157	Self-priming pedestal mount, stainless steel pump with 12-volt heavy duty clutch with 5" diameter A-section pulley, (3430-0592), and Life Guard® silicon carbide shaft seal , 1½" NPT inlet, 1¼" NPT outlet, counterclockwise rotation.	44 lbs.	

9300 Series Cast Iron, Hydraulic Motor-Driven Models

The hydraulic motor features a fixed displacement internal gear design for smooth operation. A double lip Teflon shaft seal provides excellent reliability even with high hydraulic oil back pressure. The hardened stainless steel motor/pump shaft is supported by two needle bearings and a ball bearing for dependable operation through years of use.



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9302CT-GM1	63	105	2-3 gpm hydraulic gear motor/cast iron pump for open/closed center systems, ports (NPT): 1¼" inlet, 1" outlet.	26 lbs.	
9302C-HM1C	72	150	13 gpm hydraulic motor/cast iron pump for open/closed center systems, ports (NPT): 1¼" inlet, 1" outlet.	26 lbs.	
9302C-HM2C	65	96	6 gpm hydraulic motor/cast iron pump for closed center systems, ports (NPT): 1¼" inlet, 1" outlet.	26 lbs.	
9302C-HM4C	72	120	7 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 1¼" inlet, 1" outlet.	26 lbs.	
9303C-HM1C*	114	130	13 gpm hydraulic motor/cast iron pump for open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	26 lbs.	
9303C-HM2C	97	95	6 gpm hydraulic motor/cast iron pump for closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	26 lbs.	
9303C-HM3C*	125	98	24 gpm hydraulic motor/cast iron pump, large open center systems, ports (NPT): 1½" inlet, 1¼" outlet.	29 lbs.	
9303C-HM4C	115	93	7 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	26 lbs.	
9303C-HM5C*	147	145	16 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	26 lbs.	
9305C-HM3C	182	160	19 gpm hydraulic motor/cast iron pump, large open center systems, ports (NPT): 2" inlet, 1½" outlet.	46 lbs.	
9306C-HM1C**	207	130	13 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 2" inlet, 1½" outlet.	33 lbs.	
9306C-HM3C**	214	135	24 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 2" inlet, 1½" outlet.	36 lbs.	
9306C-HM5C**	212	140	17 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 2" inlet, 1½" outlet.	35 lbs.	
9307C-GM10†	370	135	20 gpm hydraulic gear motor/cast iron pump for open/closed center systems with Life Guard® silicon carbide seal , ports (NPT): 3" inlet, 2" outlet.	86 lbs.	
9307C-GM12†	370	135	22 gpm hydraulic gear motor/cast iron pump for open/closed center systems with Life Guard® silicon carbide seal , ports (NPT): 3" inlet, 2" outlet.	86 lbs.	
3430-0332	Seal and o-ring repair kit			3 oz.	
3430-0500	Seal and o-ring repair kit (9305 models)			3 oz.	
3430-0589	Life Guard® silicon carbide seal kit (9302 and 9303 models)			3 oz.	
3430-0601	Life Guard® silicon carbide seal kit (9305 models)			3 oz.	
3430-0604	Life Guard® silicon carbide seal kit (9307 models)			3 oz.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9303C-HM4C-B)

* **Universal flange (220 x 200)** - Add Suffix "U" - (i.e.: 9303C-HM3C-U)

** **Universal flange (220 x 220)** - Add Suffix "U" - (i.e.: 9306C-HM3C-U)

† Due to size and weight of pump, only truck routing is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

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CENTRIFUGAL PUMPS

9300 Series Self-Priming, Cast Iron, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9303C-HM1C-SP	122	130	Self-priming, 13 gpm hydraulic motor/cast iron pump for open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	38 lbs.	
9303C-HM2C-SP	104	80	Self-priming, 6 gpm hydraulic motor/cast iron pump for closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	38 lbs.	
9303C-HM3C-SP	120	95	Self-priming, 24 gpm hydraulic motor/cast iron pump, large open center systems, ports (NPT): 1½" inlet, 1¼" outlet.	38 lbs.	
9303C-HM4C-SP	99	97	Self-priming, 7 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	38 lbs.	
9303C-HM5C-SP	140	140	Self-priming, 16 gpm hydraulic motor/cast iron pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	39 lbs.	
9305C-HM3C-SP	178	154	Self-priming, 19 gpm hydraulic motor/cast iron pump, large open center systems, ports (NPT): 2" inlet, 2" outlet.	74 lbs.	
9305C-HM3C-BSP	178	154	Self-priming, 19 gpm hydraulic motor/cast iron pump, large open center systems, ports (BSP): 2" inlet, 2" outlet.	75 lbs.	
3430-0589	Life Guard® silicon carbide seal kit (9303 models)			3 oz.	
3430-0601	Life Guard® silicon carbide seal kit (9305 models)			3 oz.	
3430-0480SP	Self-Priming chamber kits (9303 models)			21 lbs.	
3430-0481SP	Self-Priming chamber kits (9305 models)			37 lbs.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9303C-HM4C-B-SP)

9300 Series Polypropylene, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9303P-HM1C	110	130	13 gpm hydraulic motor/polypropylene pump for open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	20 lbs.	
9303P-HM2C	82	95	6 gpm hydraulic motor/polypropylene pump for closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	19 lbs.	
9303P-HM3C	110	93	24 gpm hydraulic motor/polypropylene pump, large open center systems, ports (NPT): 1½" inlet, 1¼" outlet.	21 lbs.	
9303P-HM4C	82	85	7 gpm hydraulic motor/polypropylene pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	19 lbs.	
9303P-HM5C	116	120	16 gpm hydraulic motor/polypropylene pump, open/closed center systems, ports (NPT): 1½" inlet, 1¼" outlet.	20 lbs.	
3430-0445	Seal and o-ring repair kit			3 oz.	
3430-0593	Life Guard® silicon carbide seal kit			3 oz.	

Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 9303P-HM4C-B)

Hydraulic-Driven Pump Testing

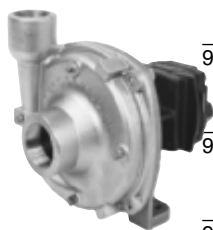


In June 2006, Hypro developed and implemented proprietary software to test every hydraulic centrifugal pump against maximum performance standards. The test is fully automated, removing the possibility of human error. Hypro's exclusive factory testing adds another level of quality control to its process and guarantees each pump's performance before ever leaving the factory floor. All data is stored and can be distributed to users. Currently, the data must be requested by contacting our Technical Department at 1-800-445-8360 and providing pump model and serial number.

For hydraulic pump selection, please refer to
Form 270 - Hypro's Hydraulic Selection Guide.

CENTRIFUGAL PUMPS

9300 Series Stainless Steel, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9302ST-GM1	63	105	2-3 gpm hydraulic gear motor/316 stainless steel pump with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1¼" NPT inlet, 1" NPT outlet.	26 lbs.	
9302S-HM1C	72	150	13 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1¼" NPT inlet, 1" NPT outlet.	26 lbs.	
9302S-HM2C	65	96	6 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1¼" NPT inlet, 1" NPT outlet.	26 lbs.	
9302S-HM4C	72	120	7 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1¼" NPT inlet, 1" NPT outlet.	26 lbs.	
9303S-HM1C	114	130	13 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	28 lbs.	
9303S-HM2C	97	95	6 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	26 lbs.	
9303S-HM3C	125	98	24 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	29 lbs.	
9303S-HM4C	115	93	7 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	26 lbs.	
9303S-HM5C	147	145	16 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	29 lbs.	
9306S-HM1C	207	130	13 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 2" NPT inlet, 1½" NPT outlet.	35 lbs.	
9306S-HM3C	214	135	24 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 2" NPT inlet, 1½" NPT outlet.	38 lbs.	
9306S-HM5C	212	140	17 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 2" NPT inlet, 1½" NPT outlet.	35 lbs.	

9300 Series Self-Priming, Stainless Steel, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9303S-HM1C-SP	114	130	Self-priming, 13 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	42 lbs.	
9303S-HM2C-SP	97	95	Self-priming, 6 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	42 lbs.	
9303S-HM3C-SP	125	98	Self-priming, 20 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	42 lbs.	
9303S-HM4C-SP	115	93	Self-priming, 7 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	40 lbs.	
9303S-HM5C-SP	147	145	Self-priming, 16 gpm hydraulic motor/316 stainless steel pump for open/closed center systems with 416 stainless steel shaft and Life Guard® silicon carbide seals . 1½" NPT inlet, 1¼" NPT outlet.	43 lbs.	

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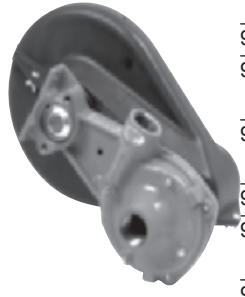
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CENTRIFUGAL PUMPS

9400 Series Cast Iron, Belt-Driven Models with 12-Groove Belt and Idler Pulley



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9402C-540	76	95	600	Belt-driven, cast iron pump with 1½" hollow, 6-spline shaft, 1¼" inlet, 1" outlet.	43 lbs.	
9402C-540Q	76	95	600	Belt-driven, cast iron pump with 1½" 6-spline quick coupler shaft, 1¼" inlet, 1" outlet.	45 lbs.	
9402C-540S	76	95	600	Belt-driven, cast iron pump with 1" solid shaft, 1¼" inlet, 1" outlet.	45 lbs.	
9402C-1000	76	95	1000	Belt-driven, cast iron pump with 1½" hollow, 21-spline shaft, 1¼" inlet, 1" outlet.	42 lbs.	
9402C-1000L	76	95	1000	Belt-driven, cast iron pump with 1½" hollow, 20-spline shaft, 1¼" inlet, 1" outlet.	42 lbs.	
9402C-1000S	76	95	1000	Belt-driven, cast iron pump with 1" solid shaft, 1¼" inlet, 1" outlet.	42 lbs.	
9403C-540†	140	104	600	Belt-driven, cast iron pump with 1½" hollow, 6-spline shaft, 1½" inlet, 1¼" outlet.	45 lbs.	
9403C-540Q†	140	104	600	Belt-driven, cast iron pump with 1½" 6-spline quick coupler shaft, 1½" inlet, 1¼" outlet.	45 lbs.	
9403C-540S†	140	104	600	Belt-driven, cast iron pump with 1" solid shaft, 1½" inlet, 1¼" outlet.	45 lbs.	
9403C-1000†	140	104	1000	Belt-driven, cast iron pump with 1½" hollow, 21-spline shaft, 1½" inlet, 1¼" outlet.	42 lbs.	
9403C-1000L†	140	104	1000	Belt-driven, cast iron pump with 1½" hollow, 20-spline shaft, 1½" inlet, 1¼" outlet.	42 lbs.	
9403C-1000S†	140	104	1000	Belt-driven, cast iron pump with 1" solid shaft, 1½" inlet, 1¼" outlet.	42 lbs.	
3430-0332	Seal and o-ring repair kit				3 oz.	
3430-0476	Seal, o-ring, belt and gasket repair kit for 540 rpm drives				6 oz.	
3430-0477	Seal, o-ring, belt and gasket repair kit for 1000 rpm drives				6 oz.	
3430-0589	Life Guard® silicon carbide seal and o-ring kit				3 oz.	

Life Guard® Silicon Carbide Seal - Add Suffix "B" - (i.e.: 9403C-540S-B)

†Universal flange (220 x 200) - Add Suffix "U" - (i.e.: 9403C-1000S-U)

9400 Series Self-Priming, Cast Iron, Belt-Driven Models with 12-Groove Belt and Idler Pulley



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9403C-540-SP	120	99	600	Self-priming, belt-driven, cast iron pump with 1½" hollow, 6-spline shaft, 1½" inlet, 1¼" outlet.	57 lbs.	
9403C-540Q-SP	120	99	600	Self-priming, belt-driven, cast iron pump with 1½" 6-spline quick coupler shaft, 1½" inlet, 1¼" outlet.	57 lbs.	
9403C-540S-SP	120	99	600	Self-priming, belt-driven, cast iron pump with 1" solid shaft, 1½" inlet, 1¼" outlet.	57 lbs.	
9403C-1000-SP	120	99	1000	Self-priming, belt-driven, cast iron pump with 1½" hollow, 21-spline shaft, 1½" inlet, 1¼" outlet.	56 lbs.	
9403C-1000L-SP	120	99	1000	Self-priming, belt-driven, cast iron pump with 1½" hollow, 20-spline shaft, 1½" inlet, 1¼" outlet.	52 lbs.	
3430-0589	Life Guard® silicon carbide seal and o-ring kit				3 oz.	
3430-0480SP	Self-Priming chamber kit				21 lbs.	

Life Guard® Silicon Carbide Seal - Add Suffix "B" - (i.e.: 9403C-540Q-SP-B)

Stainless steel belt-drive models available. Contact factory for pricing and availability.

Vent Line Kit



Part Number	Description	Estimated Weight Ea.	List Price
3430-0456	Vent line kit with 25' long, ¼" ID vinyl hose, ½" NPT x ¼" HB 90° nylon elbow fitting, ½" NPT x ¼" HB straight polypropylene fitting, plastic hose clamp and plastic cable tie. Works with all Hypro centrifugals.	14 oz.	

CENTRIFUGAL PUMPS

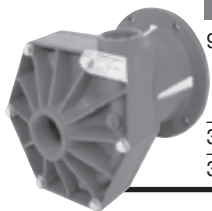
9400 Series Polypropylene, Belt-Driven Models with 12-Groove Belt and Idler Pulley



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9403P-540	86	82	600	Belt-driven, polypropylene pump with 1½" hollow, 6-spline shaft. 1½" inlet, 1¼" outlet.	40 lbs.	
9403P-540Q	86	82	600	Belt-driven, polypropylene pump with 1½", 6-spline quick coupler shaft. 1½" inlet, 1¼" outlet.	43 lbs.	
9403P-540S	86	82	600	Belt-driven, polypropylene pump with 1" solid shaft. 1½" inlet, 1¼" outlet.	43 lbs.	
9403P-1000	86	82	1000	Belt-driven, polypropylene pump with 1½" hollow, 21-spline shaft. 1½" inlet, 1¼" outlet.	40 lbs.	
9403P-1000L	86	82	1000	Belt-driven, polypropylene pump with 1½" hollow, 20-spline shaft. 1½" inlet, 1¼" outlet.	40 lbs.	
9403P-1000S	86	82	1000	Belt-driven, polypropylene pump with 1" solid shaft. 1½" inlet, 1¼" outlet.	40 lbs.	
3430-0333	Seal and o-ring repair kit				4 oz.	
3430-0478	Seal, o-ring, belt and gasket repair kit for 540 rpm drives				1 lb.	
3430-0479	Seal, o-ring, belt and gasket repair kit for 1000 rpm drives				1 lb.	
3430-0590	Life Guard® silicon carbide seal and o-ring kit				4 oz.	

Life Guard® Silicon Carbide Seal - Add Suffix "B" - (i.e.: 9403P-540Q-B) -

9500 Series Polypropylene Flange-Mount Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9513P	90	55	3600	Flange-mounted pump designed for direct coupling to 5 hp gasoline engines, ¾" hollow keyed 416 stainless steel shaft , 1½" inlet 1¼" outlet.	15 lbs.	
3430-0333	Seal and o-ring repair kit				4 oz.	
3430-0590	Life Guard® silicon carbide seal kit				4 oz.	

9700 Aqua Tiger



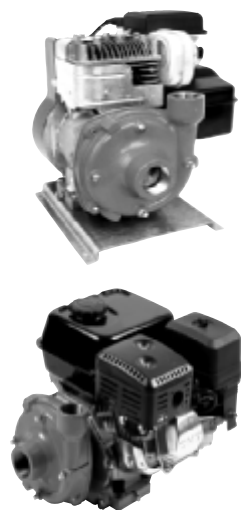
Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9700B	19	7	Bronze centrifugal transfer pump close-coupled to a 12-volt electric motor. The maximum current draw is 11 amps. ¾" NPT inlet; ¾" NPT outlet.	6 lbs.	
9700S	19	7	Stainless steel transfer pump close-coupled to a 12-volt electric motor. The maximum current draw is 11 amps. ¾" NPT inlet; ¾" NPT outlet.	6 lbs.	

9940-9700 Series AC Motor-Driven and Pedestal-Mount Models



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9940-9750NRL	132	35	3600	Chemical-resistant Noryl, pedestal-mount pump designed for direct drive with an electric motor or belt and pulley drive with an electric motor or gas engine, Carpenter 20 stainless steel ⅝" solid shaft. 1½" NPT inlet, 1½" NPT outlet.	12 lbs.	
9940-9751NRL	44	30	3450	Chemical-resistant Noryl pump close-coupled to a ¾ hp, 115/208-230V AC motor. 1½" NPT inlet, 1½" NPT outlet.	36 lbs.	
9940-9753NRL	88	30	3450	Chemical-resistant Noryl pump close-coupled to a 1½ hp, 115/208-230V AC motor. 1½" NPT inlet, 1½" NPT outlet.	46 lbs.	

Gas Engine-Driven Centrifugal Pumps



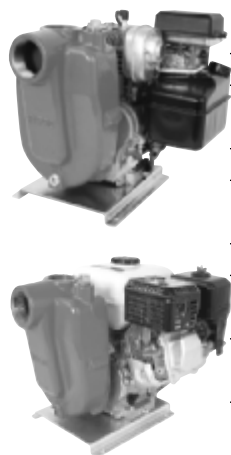
Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
1521C-65 [†]	110	80	1½" x 1¼" centrifugal pump close-coupled to a PowerPro™ 6.5 hp gas engine.	65 lbs.	
1536 [†]	110	75	1½" x 1¼" centrifugal pump close-coupled to a Briggs and Stratton 5.5 hp gas engine with mounting base.	65 lbs.	
1539 [†]	110	75	The same pump and engine as Model 1536 without the base.	61 lbs.	
1537 [†]	110	80	1½" x 1¼" centrifugal pump close-coupled to a Honda 5.5 hp gas engine with mounting base.	65 lbs.	
1540 [†]	110	80	The same pump and engine as Model 1537 without the base.	63 lbs.	
1538 ^{†*}			1½" x 1¼" centrifugal pump kit. Parts come unassembled. Does not include engine.	14 lbs.	
1552C-130	170	150	2" x 1½" centrifugal pump, close-coupled to a PowerPro™ 13 hp gas engine.	110 lbs.	
1552C-130E	170	150	2" x 1½" centrifugal pump, close-coupled to a PowerPro™ 13 hp gas engine with electric start.	110 lbs.	
1550 [†]	150	140	2" x 1½" centrifugal pump, close-coupled to a Honda 9 hp gas engine.	107 lbs.	
1551 [*]			2" x 1½" centrifugal pump kit. Parts come unassembled. Does not include engine.	37 lbs.	
3430-0332	Seal and o-ring repair kit			3 oz.	
3430-0464	Seal, o-ring, and gasket repair kit (1550 and 1551 models)			4 oz.	

[†] Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 1536-B)

^{*} Must use threaded-shaft engine.

[†] Due to size and weight of pump, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Gas Engine-Driven Self-Priming



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
1536-SP [†]	100	65	2" x 2" centrifugal pump close-coupled to a Briggs and Stratton 5.5 hp gas engine with mounting base.	80 lbs.	
1539-SP [†]	100	65	The same pump and engine as Model 1536-SP without the base.	77 lbs.	
1537-SP [†]	106	75	2" x 2" centrifugal pump close-coupled to a Honda 5.5 hp gas engine with mounting base.	81 lbs.	
1540-SP [†]	106	75	The same pump and engine as Model 1537-SP without the base.	78 lbs.	
1538-S ^{†*}			2" x 2" centrifugal pump kit. Parts come unassembled. Does not include engine.	29 lbs.	
1550-SP [†]	155	135	2" x 2" centrifugal pump, close-coupled to a Honda 9 hp gas engine.	134 lbs.	
1550-BSP [†]	155	135	2" x 2" centrifugal pump, close-coupled to a Honda 9 hp gas engine. (BSP)	134 lbs.	
1551-SP [*]			2" x 2" centrifugal pump kit. Parts come unassembled. Does not include engine.	58 lbs.	
1551-BSP ^{†*}			2" x 2" centrifugal pump kit. Parts come unassembled. (BSP). Does not include engine.	66 lbs.	
3430-0482SP	Self-primer kit (1536, 1537, 1539 and 1540 models)			26 lbs.	

[†] Life Guard® silicon carbide seal - Add Suffix "B" - (i.e.: 1537-B-SP) -

^{*} Must use threaded-shaft engine.

[†] Due to size and weight of pump, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Self-Priming Adaptor (SPA)



Model Number	Description	List Price
1530-0024S	2" NPT Self Priming Adaptor	
1530-0028S	2" NPT High Volume Self Priming Adaptor	
3430-0700	Mounting Kit	

Prices Subject to Change Without Notice

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Life Guard® Silicon Carbide Seal Kits

The Life Guard® silicon carbide seal lives up to its name by protecting your pump from seal failure. It lasts up to 8 times longer than ceramic seals when used in abrasive solutions. The silicon carbide surfaces work together to provide excellent thermal conductivity, making it last up to 21 times longer in dry run situations than ceramic seals. The Life Guard® silicon carbide seal comes standard in all stainless steel centrifugal pumps.



Part Number	For Pump Series/Model #	Size	Description	Estimated Weight Ea.	List Price
3430-0589	9200, 9300 and 9400 Cast and Stainless	5/8"	Mechanical seal and o-ring	4 oz.	
3430-0593	9303P	5/8"	Mechanical seal, o-ring, gasket and washer for under acorn nut	4 oz.	
3430-0601	9305C and 9305C-SP	5/8"	Mechanical seal and o-ring	4 oz.	
3430-0590	All Poly Models	3/4"	Mechanical seal, o-ring, gasket and washer for under acorn nut	4 oz.	
3430-0604	9307 Series	1 1/8"	Mechanical seal, o-ring and gasket	4 oz.	
3430-0646	9205 Models	3/4"	Mechanical seal and o-ring	4 oz.	

Transfer Pumps

9230 Series Cast Iron, Pedestal-Mount Models



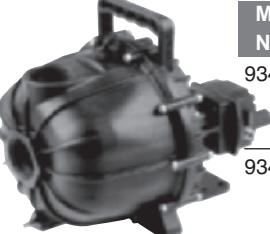
Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9232C-SP	170	42	2" x 2" NPT self-priming pedestal-mount cast iron transfer pump	45 lbs.	
9233C-SP	330	60	3" x 3" NPT self-priming pedestal-mount cast iron transfer pump	106 lbs.	
3430-0675			Replacement pedestal for 2" self-priming cast iron transfer pump	7 lbs.	
3430-0676			Replacement pedestal for 3" self-priming cast iron transfer pump	15 lbs.	

Series Cast Iron, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9332C-HM1C-SP	170	60	2" x 2" NPT self-priming cast iron transfer pump powered by field-proven Hypro 13 gpm hydraulic motor for open or closed center systems.	50 lbs.	
9332C-HM5C-SP	170	60	2" x 2" NPT self-priming polypropylene transfer pump powered by field-proven Hypro 16 gpm hydraulic motor for open or closed center systems.	50 lbs.	

9340 Series Polypropylene, Hydraulic Motor-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9342P-HM1C-5SP	200	60	2" x 2" NPT self-priming polypropylene transfer pump, powered by field-proven Hypro 13 gpm hydraulic motor for open or closed center systems.	27 lbs.	
9342P-HM5C-5SP	200	60	2" x 2" NPT self-priming polypropylene transfer pump, powered by field-proven Hypro 16 gpm hydraulic motor for open or closed center systems.	27 lbs.	
3430-0635			EPDM Seal Kit	4 oz.	
3430-0659			Viton Seal Kit	4 oz.	

9730 Series Cast Iron, NEMA C-Faced Pedestal Mount Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
9732C-SPX	170	42	2" x 2" NPT self-priming pedestal-mount cast iron transfer pump 182TC NEMA Frame	45 lbs.	
9733C-SPX	330	60	3" x 3" NPT self-priming pedestal-mount cast iron transfer pump 215TC NEMA Frame	106 lbs.	

Transfer Pumps

1530 Series Cast Iron, PowerPro™ Gas Engine-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
			by 6.5 hp PowerPro™ gas engine with low oil sensor.		
1533C-13SP†	330	60	3" x 3" NPT self-priming cast iron transfer pump powered by 13 hp PowerPro™ gas engine with low oil sensor.	150 lbs.	
1533C-13ESP†	330	60	3" x 3" NPT self-priming cast iron transfer pump powered by 13 hp PowerPro™ gas engine with low oil sensor and electric start.	150 lbs.	
3430-0673CSP	170	42	Pump head kit for 2" self-priming cast iron transfer pump.	68 lbs.	
3430-0674CSP	330	60	Pump head kit for 3" self-priming cast iron transfer pump.	83 lbs.	

1540 Series Polypropylene, PowerPro™ Gas Engine-Driven Models



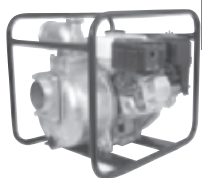
Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
1542P-3SP	150	58	2" x 2" NPT self-priming polypropylene transfer pump with 3 vane impeller, powered by 5.5 hp PowerPro gas engine with low oil sensor.	49 lbs.	
1542P-5SP	200	58	2" x 2" NPT self-priming polypropylene transfer pump with 5 vane impeller, powered by 6.5 hp PowerPro gas engine with low oil sensor.	50 lbs.	
3430-0635			EPDM seal kit	4 oz.	
3430-0660			Pump head kit for 1542P-3SP with Viton seal	4 oz.	
3430-0661			Pump head kit for 1542P-5SP with Viton seal	4 oz.	
3430-0659			Viton seal kit	4 oz.	

1540 Series Aluminum, PowerPro™ Gas Engine-Driven Models



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
1541A-SP	87.2	40	2" x 2" BSP self-priming aluminum transfer pump powered by 2.5 hp PowerPro™ gas engine with low oil sensor. British Pipe Thread	29 lbs.	
1542A-SP	147	50	2" x 2" BSP self-priming aluminum transfer pump powered by 5.5 hp PowerPro™ gas engine with low oil sensor. British Pipe Thread	56 lbs.	
1543A-SP	259	50	3" x 3" BSP self-priming aluminum transfer pump powered by 6.5 hp PowerPro™ gas engine with low oil sensor. British Pipe Thread	67 lbs.	
1543A-TSP	272	50	3" x 3" BSP self-priming aluminum trash pump powered by 6.5 hp PowerPro™ gas engine with low oil sensor. British Pipe Thread	100 lbs.	

1570 Series Aluminum, Honda Gas Engine-Driven Models



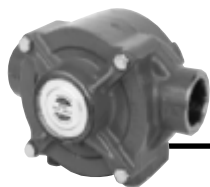
Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
1572-SPX†	145	50	2" NPT x 2" NPT self-priming aluminum transfer pump powered by 4.0 hp Honda GX120 gas engine with oil alert.	54 lbs.	
1573-SPX†	280	50	3" NPT x 3" NPT self-priming aluminum transfer pump powered by 5.5 hp Honda GX160 gas engine with oil alert.	62 lbs.	

Comes with base, tubular bar frame and suction strainer.

†For quantities of 5 or more, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Roller/Gear Pumps and Accessories

1200 Series Roller Pump



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
1200C	74.0	150	800	Cast iron 4-roller pump with Super Rollers, Buna-N seals, 1½" NPT ports, and a 1" solid shaft.	32 lbs.	
3430-0207				Locking collar kit for model 1200C	8 oz.	

Polypropylene rollers - Add Suffix "T3" - (i.e.: 1200C-T3) - **No additional charge.**

Reverse rotation^{††} - Add Suffix "R" - (i.e.: 1200C-R)

1500 Series Roller Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
1502C	62.1	150	1000	Cast iron 6-roller pump with Super Rollers, Buna-N seals, 1½" NPT ports, and 15/16" solid shaft.	25 lbs.	
1502N	62.1	150	1000	Ni-Resist 6-roller pump with Super Rollers, Buna-N seals, 1½" NPT ports, and 15/16" solid shaft.	26 lbs.	
1502XL	62.1	150	1000	SilverCast 6-roller pump with Super Rollers, Viton seals, 1½" NPT ports, and 15/16" solid shaft.	26 lbs.	

Teflon rollers[†] - Add Suffix "T2" - (i.e.: 1502C-T2) -

Polypropylene rollers - Add Suffix "T3" - (i.e.: 1502C-T3) - **No additional charge.**

Viton seals - Add Suffix "Q" - (i.e.: 1502C-Q) -

Reverse rotation^{††} - Add Suffix "R" - (i.e.: 1502C-R)

1700 Series Roller Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
1700C	45.0	200	1000	Cast iron 5-roller pump with Super Rollers, Viton seals, 1" NPT ports, and 15/16" solid shaft.	20 lbs.	
1700N	45.0	200	1000	Ni-Resist 5-roller pump with Super Rollers, Viton seals, 1" NPT ports, and 15/16" solid shaft.	21 lbs.	
1700XL	45.0	200	1000	SilverCast 5-roller pump with Super Rollers, Viton seals, 1" NPT ports, and 15/16" solid shaft.	21 lbs.	

Teflon rollers[†] - Add Suffix "T2" - (i.e.: 1700C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 1700C-T3) - **No additional charge.**

Reverse rotation^{††} - Add Suffix "R" - (i.e.: 1700C-R)

[†] The maximum recommended operating pressure is 100 psi for pumps fitted with Buna-N or Teflon rollers.

^{††} Rotation, clockwise or counterclockwise, is determined when looking at the shaft end of the pump. Standard rotation for all roller pumps is counterclockwise, except 4000 series.

All Hypro roller pumps need either an adapter or quick coupler (see page 56).

4001 Series Roller Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
4001C	9.1	150	1800	Cast iron 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	5 lbs.	
4001C-H	9.1	150	1800	4001C-A pump with 1/2" hollow shaft.	5 lbs.	
4001N	9.1	150	1800	Ni-Resist 4-roller pump with Super Rollers, Viton seals; 3/4" NPT ports, and 5/8" solid shaft.	5 lbs.	
4001N-H	9.1	150	1800	4001N-A pump with 1/2" hollow shaft.	5 lbs.	
4001XL	9.1	150	1800	SilverCast 4-roller pump with Super Rollers Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	5 lbs.	
4001XL-H	9.1	150	1800	SilverCast 4001XL-A pump with 1/2" hollow shaft.	5 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 4001C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 4001C-T3) - **No additional charge.**

Reverse rotation* - Add Suffix "R" - (i.e.: 4001C-R)

4001 Series Roller Pumps with 12 Volt DC Motor



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
4001N-EH	10.4	30	1900	12 Volt DC motor-driven, Ni-resist, 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, 1/2" hollow shaft.	20 lbs.	
4001N-E2H	9.9	50	1600	12 Volt DC motor-driven, Ni-resist, 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, 1/2" hollow shaft. Designed for higher pressures.	22 lbs.	
4001XL-EH	10.4	30	1900	12 Volt DC motor-driven, Silver Cast, 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, 1/2" hollow shaft.	20 lbs.	
4001XL-E2H	9.9	50	1600	12 Volt DC motor-driven, Silver Cast, 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, 1/2" hollow shaft. Designed for higher pressures.	22 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 4001N-EHT2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 4001N-EHT3) - **No additional charge.**

* Rotation, clockwise or counterclockwise, is determined when looking at the shaft end of the pump. Standard rotation for all Series 4000 roller pumps is clockwise.

Consult performance tables for operating pressure and volume.

All Hypro roller pumps need either an adapter or quick coupler (see page 56).

4101 Series Roller Pumps



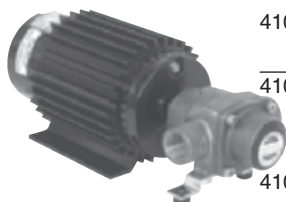
Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
4101C	7.2	150	2600	Cast iron 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	5 lbs.	
4101C-H	7.2	150	2600	4101C-A pump with 1/2" hollow shaft.	5 lbs.	
4101N	7.2	150	2600	Ni-Resist 4-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	5 lbs.	
4101N-H	7.2	150	2600	4101N-A pump with 1/2" hollow shaft.	5 lbs.	
4101XL	7.2	150	2600	SilverCast 4-roller pump with Super Rollers, Viton seals,	5 lbs.	
4101XL-H	7.2	150	2600	SilverCast 4101XL-A pump with 1/2" hollow shaft.	5 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 4101C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 4101C-T3) - **No additional charge.**

Reverse rotation -Add Suffix "R" - (i.e.: 4101C-R)

4101 Series Roller Pumps with 12 Volt DC Motor

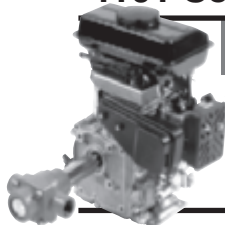


Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
4101N-EH	7.5	50	1900	12 Volt DC motor-driven, Ni-Resist, 4-roller pump with Super Rollers, Viton seals, 3/4" ports, 1/2" hollow shaft.	20 lbs.	
4101N-E2H	5.9	90	1600	12 Volt DC motor-driven, Ni-Resist, 4-roller pump with Super Rollers, Viton seals, 3/4" ports, 1/2" hollow shaft. Designed for higher pressures.	22 lbs.	
4101XL-EH	7.5	50	1900	SilverCast, 12 Volt DC motor-driven, 4-roller pump with Super Rollers, Viton seals, 3/4" ports, 1/2" hollow shaft.	19 lbs.	
4101XL-E2H	5.9	90	1600	SilverCast, 12 Volt DC motor-driven, 4-roller pump with Super Rollers, Viton seals, 3/4" ports, 1/2" hollow shaft. Designed for higher pressures.	22 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 4101N-EHT2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 4101N-EHT3) - **No additional charge.**

4101 Series Roller Pumps with PowerPro™ Gas Engine



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
4101C-25	8.9	100	Cast iron 4 roller pump with Super Rollers, Viton seals, and 3/4" NPT ports powered by 2.5 hp PowerPro™ gas engine.	28 lbs.	
4101XL-25	8.9	150	SilverCast 4 roller pump with Super Rollers, Viton seals, and 3/4" NPT ports powered by 2.5 hp PowerPro™ gas engine.	29 lbs.	

6500 Series Roller Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
6500C	21.8	300	1200	Cast iron 6-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	8 lbs.	
6500N	21.8	300	1200	Ni-Resist 6-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	8 lbs.	
6500XL	21.8	300	1200	SilverCast 6-roller pump with Super Rollers, Viton seals, 3/4" NPT ports, and 5/8" solid shaft.	8 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 6500C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 6500C-T3) - **No additional charge.**

Reverse rotation† - Add Suffix "R" - (i.e.: 6500C-R)

7560 Series Roller Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
7560C	22.5	300	1000	Cast iron 8-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	11 lbs.	
7560N	22.5	300	1000	Ni-Resist 8-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	12 lbs.	
7560XL	22.5	300	1000	SilverCast 8-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	12 lbs.	
7560C-GM30	20.1	300	1000	Same as 7560C, coupled to an SAE 2 bolt A flanged, low speed, high torque hydraulic motor. 3 cubic inch motor displacement, 12 gpm hydraulic flow max.	33 lbs.	
7560N-GM30	20.1	300	1000	Same as 7560N, coupled to an SAE 2 bolt A flanged, low speed, high torque hydraulic motor. 3 cubic inch motor displacement, 12 gpm hydraulic flow max.	33 lbs.	
7560XL-GM30	20.1	300	1000	Same as 7560XL, coupled to an SAE 2 bolt A flanged, low speed, high torque hydraulic motor. 3 cubic inch motor displacement, 12 gpm hydraulic flow max.	33 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 7560C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 7560C-T3) - **No additional charge.**

Reverse rotation† - Add Suffix "R" - (i.e.: 7560C-R)

7700 Series Roller Pumps



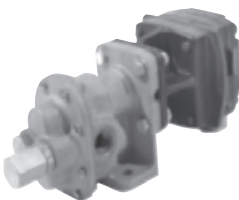
Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
7700C	22.1	200	800	Cast iron 7-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	12 lbs.	
7700N	22.1	200	800	Ni-Resist 7-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	12 lbs.	
7700XL	22.1	200	800	SilverCast 7-roller pump with Super Rollers, Super Rotor, Viton seals, 3/4" NPT ports, and 1/2" solid shaft.	12 lbs.	

Teflon rollers - Add Suffix "T2" - (i.e.: 7700C-T2)

Polypropylene rollers - Add Suffix "T3" - (i.e.: 7700C-T3) - **No additional charge.**

Reverse rotation† - Add Suffix "R" - (i.e.: 7700C-R)

8000 Series Hydraulic Motor-Driven Gear Pumps



Model Number	Max. GPM	Max. PSI	Description	Estimated Weight Ea.	List Price
8304B-HM5C	10.4	100	3 - 4.5 gpm hydraulic motor-driven brass gear pump for open/closed center systems with Viton® shaft seal. Ports (NPT) 1/2" inlet, 1/2" outlet	19 lbs.	
8304BV-HM5C	10.4	100	3 - 4.5 gpm hydraulic motor-driven brass gear pump for open/closed center systems with Viton® shaft seal and relief valve. Ports (NPT) 1/2" inlet, 1/2" outlet	20 lbs.	

Roller Pump Accessory Selection Guide

Description	Series 1200	Series 1500	Series 1700	Series 6500	Series 7560	Series 7700	Series 4000	Series 5200
540 rpm 1 $\frac{1}{8}$ " Die Cast PTO Adapter	1320-0059	1320-0033	1320-0033	1320-0022	1320-0033	1320-0033		1320-0059
540 rpm 1 $\frac{1}{8}$ " Die Cast Quick Coupler		1321-0007	1321-0007	1321-0006	1321-0007	1321-0007		
540 rpm 1 $\frac{1}{8}$ " Forged Steel PTO Adapter	1320-0081	1320-0076	1320-0076	1320-0077	1320-0076	1320-0076		1320-0081
1000 rpm 1 $\frac{1}{8}$ " Die Cast PTO Adapter		1320-0038	1320-0038	1320-0053	1320-0038			
1000 rpm 1 $\frac{1}{8}$ " Die Cast Quick Coupler		1321-0009	1321-0009	1321-0008	1321-0009			
1000 rpm 1 $\frac{1}{8}$ " Forged Steel PTO Adapter		1320-0078	1320-0078	1320-0079	1320-0078		1320-0079	
1000 rpm 1 $\frac{1}{4}$ " Forged Steel PTO Adapter		1320-0080	1320-0080		1320-0080			
Multi-Speed 1 $\frac{1}{8}$ " Die Cast Quick Coupler		1321-0013	1321-0013	1321-0012	1321-0013	1321-0013	1321-0012	
540 rpm 1 $\frac{1}{8}$ " Forged Steel Quick Coupler		1323-0072	1323-0072	1323-0074	1323-0072	1323-0072		
1000 rpm 1 $\frac{1}{8}$ " Forged Quick Coupler		1323-0073	1323-0073	1323-0075	1323-0073			
Multi-Speed 1 $\frac{1}{8}$ " Forged Steel Quick Coupler		1323-0076	1323-0076	1323-0077	1323-0076	1323-0076	1323-0077	
Steel Shaft Adapter $\frac{3}{4}$ " x $\frac{5}{8}$ "				1320-0015			1320-0015	
Steel Shaft Adapter $\frac{5}{8}$ " x $\frac{5}{8}$ "				1320-0016			1320-0016	
Die Cast Coupler $\frac{3}{4}$ " x $1\frac{5}{16}$ "		1320-0054	1320-0054		1320-0054	1320-0054		
Repair Kits		3430-0387 3430-0386	3430-0437	3430-0380	3430-0381	3430-0384	3430-0390	
Torque Arm Kit			3430-0540	3430-0540	3430-0540	3430-0540		
Base Kits		3420-0004	3420-0010	3420-0023	3420-0003	3420-0010	3420-0024* 3420-0025**	
Locking Collar Kit	3430-0207							
Hydraulic Flange Kit					3430-0636			

* For electric motor drive 3 $\frac{1}{2}$ " shaft centerline (4001, 4101).

** For gas engine drive 4 $\frac{1}{8}$ " shaft centerline (4101 only).

Adapters for PTO and Gas Engine Adaption (Female to Female)



Part Number	PTO (I.D.)	Pump End (I.D.)	Material	RPM	For Pump Series	List Price
1320-0015	3/4"	5/8"	steel	*	4000, 6500	
1320-0016	5/8"	5/8"	steel	*	4000, 6500	
1320-0022	1 3/8" (6 spline)	5/8"	die cast	540	6500	
1320-0033	1 3/8" (6 spline)	15/16"	die cast	540	1500, 1700, 7560, 7700	
1320-0038	1 3/8" (21 spline)	15/16"	die cast	1000	1500, 1700, 7560	
1320-0053	1 3/8" (21 spline)	5/8"	die cast	1000	4000, 6500	
1320-0054	3/4"	15/16"	die cast	*	1500, 1700, 7560, 7700	
1320-0059	1 3/8" (6 spline)	1"	die cast	540	1200	
1320-0076	1 3/8" (6 spline)	15/16"	forged steel	540	1500, 1700, 7560, 7700	
1320-0077	1 3/8" (6 spline)	5/8"	forged steel	540	6500	
1320-0078	1 3/8" (21 spline)	15/16"	forged steel	1000	1500, 1700, 7560	
1320-0079	1 3/8" (21 spline)	5/8"	forged steel	1000	4000, 6500	
1320-0080	1 3/4" (20 spline)	15/16"	forged steel	1000	1500, 1700, 7560	
1320-0081	1 3/8" (6 spline)	1"	forged steel	540	1200	

* Refer to the recommended pump rpm.

Quick Couplers (Female to Female)



Part Number	PTO (I.D.)	Pump End (I.D.)	Material	RPM	For Pump Series	List Price
1321-0006	1 3/8" (6 spline)	5/8"	die cast	540	6500	
1321-0007	1 3/8" (6 spline)	15/16"	die cast	540	1500, 1700, 7560, 7700	
1321-0008	1 3/8" (21 spline)	5/8"	die cast	1000	4000, 6500	
1321-0009	1 3/8" (21 spline)	15/16"	die cast	1000	1500, 1700, 7560	
1321-0012	1 3/8" (multi-speed)	5/8"	die cast	540/1000	4000, 6500	
1321-0013	1 3/8" (multi-speed)	15/16"	die cast	540/1000	1500, 1700, 7560, 7700	
1323-0072	1 3/8" (6 spline)	15/16"	forged steel	540	1500, 1700, 7560, 7700	
1323-0073	1 3/8" (21 spline)	15/16"	forged steel	1000	1500, 1700, 7560	
1323-0074	1 3/8" (6 spline)	5/8"	forged steel	540	6500	
1323-0075	1 3/8" (21 spline)	5/8"	forged steel	1000	4000, 6500	
1323-0076	1 3/8" (multi-speed)	15/16"	forged steel	540/1000	1500, 1700, 7560, 7700	
1323-0077	1 3/8" (multi-speed)	5/8"	forged steel	540/1000	4000, 6500	

Roller and Rotor Repair Kits

Kit Number	For Pump Series	Description	Estimated Weight Ea.	List Price
3430-0387	1502C and 1502N	Roller kit includes: 6 Super Rollers, 1 o-ring gasket, and 2 Buna-N seals	1 lb. 7 oz.	
3430-0386	1502XL	Roller kit includes: 6 Super Rollers, 1 o-ring gasket, and 2 Viton® seals	1 lb. 8 oz.	
3430-0437	1700	Roller kit includes: 5 Super Rollers, 1 o-ring gasket, and 2 Viton® seals	1 lb. 5 oz.	
3430-0380	6500	Roller kit includes: 6 Super Rollers, 1 o-ring gasket, and 2 Viton® seals	8 oz.	
3430-0381	7560/7700	Roller kit includes: 8 Super Rollers, 1 o-ring gasket, and 2 Viton® seals	12 oz.	
3430-0390	4001/4101	Roller kit includes: 4 Super Rollers, 1 o-ring gasket, and 2 Viton® seals	3 oz.	

Diaphragm Pumps and Accessories

Low Pressure Diaphragm Pumps

	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
	9910-D70	19	290	550	2 - diaphragm pump - 1¼" HB inlet, 1" HB outlet. Select shaft kit for desired drive.	25 lbs.	
	9910-D70GR	19	290	3600	2 - diaphragm pump - ¾" hollow shaft with gear reduction for 5 hp gasoline engine	31 lbs.	
	9910-D115	30.1	290	550	3 - diaphragm pump - 1½" HB inlet, 1" HB outlet. Select shaft kit for desired drive.	33 lbs.	
	9910-D115GR34	30.1	290	3600	3 - diaphragm pump - ¾" hollow shaft with gear reduction for 5 hp gasoline engine	41 lbs.	
	9910-D135	34.8	290	550	3 - diaphragm pump - 1½" HB inlet, 1" HB outlet. 1½"-6 splined male shaft.	38 lbs.	
	9910-D160†	42.5	290	550	4 - diaphragm pump - 2" HB inlet, 1½" HB outlet. 1½"-6 splined male shaft.	66 lbs.	
	9910-D250†	66	290	550	6 - diaphragm pump - 2" HB inlet, 1½" HB outlet. 1½"-6 splined male shaft.	89 lbs.	

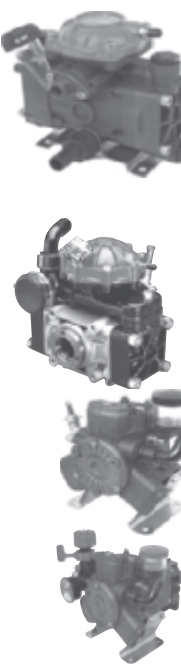
Control units, shaft kits, gear boxes and repair kits available; see pages 60-61 for pricing.

†Due to size and weight of pump, only truck routing is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Poly Diaphragm Pump Series

	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	List Price
	9910-DP423	11	290	550	3 - diaphragm poly pump - 1 1/4" HB inlet, 1" HB outlet	
	9910-DP423GRGI	11	290	3600	3 - diaphragm poly pump - assembled, with gearbox & control 9910-GS25 for mounting on 6.5 hp gas engines	
	9910-GS25	11	290		Control unit includes relief valve, pressure gauge, two HB outlets and 3/4 HB bypass	

Medium Pressure Diaphragm Pumps

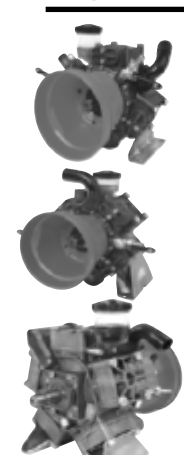
	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
	9910-D252	6.1	290	650	2 - diaphragm pump - ¾" HB inlet, ½" NPT outlet, ¾" solid keyed shaft.	12 lbs.	
	9910-D252GRGI	6.1	290	2800	2 - diaphragm (semi-hydraulic) pump - ¾" HB inlet; ¾" HB outlet. ¾" hollow shaft, gear reduced for 2-3.5 hp gas engine and 9910-KIT1990 control unit.	14 lbs.	
	9910-D252GRGI58	5.5	290	3600	2 - diaphragm (semi-hydraulic) pump - ¾" HB inlet; ¾" HB outlet. ¾" hollow shaft, gear reduced for 2-3.5 hp gas engine and 9910-KIT1990 control unit.	14 lbs.	
	9910-D252GRGIAP	6.1	290	2800	2 - diaphragm (semi-hydraulic) pump - ¾" HB inlet; ¾" HB outlet. ¾" hollow shaft with a ¾" output shaft, gear reduced for 3 hp gas engine and 9910-KIT1990 control unit.	14 lbs.	
	9910-D30	9.0	580	550	2 - diaphragm pump - 1" HB inlet, ½" HB outlet.	23 lbs.	
	9910-D30AP-A	Same pump as 9910-D30 with ¾" solid thru shaft. Select shaft kit with base or gear reduction.				24 lbs.	
	9910-D30GRGI	9.0	580	3600	2 - diaphragm pump - assembled with gearbox 9910-KIT1640 and control 9910-GR40 for mounting on 5 hp gas engine.	33 lbs.	
	9910-D30-B-GRGI	Same pump as 9910-D30GRGI with Buna-N diaphragms.				32 lbs.	
	9910-D303-B	7.9	580	550	3 - diaphragm pump - 1" HB inlet, ½" HB outlet. With BUNA-N	23 lbs.	
	9910-D403	10.6	580	550	3 - diaphragm pump - 1" HB inlet, ½" HB outlet.	23 lbs.	
	9910-D403GRGI	10.6	580	3600	3 - diaphragm pump - assembled with gearbox 9910-KIT1640 and control 9910-GR40 for mounting on 5-6 hp gas engines.	32 lbs.	

Medium Pressure Diaphragm Pumps (continued)

	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
	9910-D50	14.0	580	550	2 - diaphragm pump - 1 1/4" HB inlet, 1/2" HB outlet.	35 lbs.	
	9910-D50-B	14.0	580	550	Same Pump as 9910-D50 with Buna-N diaphragms.	35 lbs.	
	9910-D50AP-A	Same pump as 9910-D50 with solid thru shaft. Select shaft kit with base or gear reduction.				37 lbs.	
	9910-D503	15.0	580	550	3 - diaphragm pump - 1 1/4" HB inlet, 3/4" NPT outlet. Select shaft kit or gearbox.	28 lbs.	
	9910-D503GRGI	15.0	580	3600	3 - diaphragm pump - assembled with gearbox 9910-KIT1642 and control 9910-RM40 for mounting on 8 hp gas engines.	41 lbs.	
	9910-D503GRGI34	15.0	580	3600	3 - diaphragm pump - assembled with gearbox 9910-KIT1640 and control 9910-RM40 for mounting on 5-6 1/2 hp gas engines.	40 lbs.	

Control units, shaft kits, gear boxes and repair kits available; see pages 60-61 for pricing.

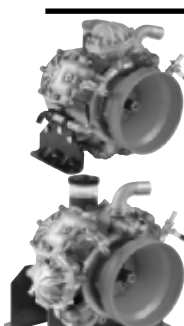
High Pressure Diaphragm Pumps

	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
	9910-D813	21.4	725	550	3 - diaphragm pump - 1 1/4" HB inlet, 3/4" NPT outlet. Select shaft kit or gearbox. 1 3/8"-6 splined male shaft extension.	51 lbs.	
	9910-D813GRGI [†]	21.4	725	3600	3 - diaphragm pump - assembled with gearbox 9910-KIT1642 and control 9910-VDR50 for mounting on 11 hp gas engines.	66 lbs.	
	9910-D1064 [†]	27.9	725	550	4 - diaphragm pump - 1 1/2" HB inlet, 3/4" NPT outlet. Select shaft kit or gearbox. 1 3/8"-6 splined male shaft extension.	56 lbs.	
	9910-D1064GRGI [†]	27.9	725	3600	4 - diaphragm pump - assembled with gearbox 9910-KIT1642 and control 9910-VDR50 for mounting on 18 hp gas engines.	75 lbs.	
	9910-D1265 [†]	33.3	725	550	5 - diaphragm pump - 1 1/2" HB inlet, 3/4" NPT outlet. 1 3/8" - 6 splined male shaft extension, select shaft kit or gearbox	67 lbs.	
	9910-D1516 [†]	39.8	725	550	6 - diaphragm pump - 1 1/2" HB inlet and 3/4" NPT outlet. 1 3/8" 6-splined male shaft extension.	78 lbs.	

Control units, shaft kits, gear boxes and repair kits available; see pages 60-61 for pricing.

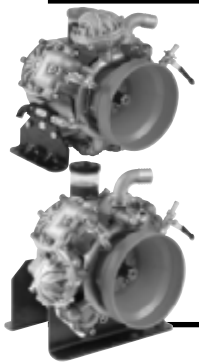
[†]Due to size and weight of pump, only truck routing is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Aluminum-Headed Diaphragm Pumps

	Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
	9910-DBA110 [†]	28.5	725	550	3 - diaphragm pump - 1 1/2" HB inlet, 3/4" outlet, 1 3/8"-6-splined male double-ended shaft.	88 lbs.	
	9910-DBA140 [†]	37.6	725	550	3 - diaphragm pump - 1 1/2" HB inlet, 3/4" outlet, 1 3/8"-6-splined male double-ended shaft.	94 lbs.	
	9910-DBA160 [†]	39.7	725	550	4 - diaphragm pump - 1 1/2" HB inlet, 3/4" outlet, 1 3/8"-6-splined male double-ended shaft.	114 lbs.	
	9910-DBA200 [†]	49.8	725	550	4 - diaphragm pump - 1 1/2" HB inlet, 3/4" outlet, 1 3/8"-6-splined male double-ended shaft.	112 lbs.	

[†] Due to size and weight of pump, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Brass-Headed Diaphragm Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
9910-DBS110†	28.5	725	550	3 - diaphragm pump - 1½" HB inlet, ¾" outlet, 1⅝"-6-splined male double-ended shaft.	114 lbs.	
9910-DBS140†	37.6	725	550	3 - diaphragm pump - 1½" HB inlet, ¾" outlet, 1⅝"-6-splined male double-ended shaft.	114 lbs.	
9910-DBS160†	39.7	725	550	4 - diaphragm pump - 1½" HB inlet, ¾" outlet, 1⅝"-6-splined male double-ended shaft.	143 lbs.	
9910-DBS200†	49.8	725	550	4 - diaphragm pump - 1½" HB inlet, ¾" outlet, 1⅝"-6-splined male double-ended shaft.	143 lbs.	

† Due to size and weight of pump, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Diaphragm Pump Gas Engine Units



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
D252GRGI-25	5.5	290	3600	Model D252 diaphragm pump with 9910-KIT1990 control unit and gearbox, PowerPro™ 2.5 hp gas engine.	45 lbs.	
1534†	6.1	290	2800	Model D252 diaphragm pump with 9910-KIT1990 control unit and gearbox, Briggs & Stratton 3.5 hp gas engine with base.	58 lbs.	
D252GRGI-55	6.1	290	2800	Model D252 diaphragm pump with 9910-KIT1990 control unit and gearbox, PowerPro™ 5.5 hp gas engine.	50 lbs.	
D30GRGI-65	9.0	580	3600	Model D30 diaphragm pump with GS40GI control unit and KIT1640 gearbox, PowerPro™ 6.5 hp gas engine.	85 lbs.	
1535†	9.0	580	3600	Model D30 diaphragm pump with GS40GI control unit and KIT1640 gearbox, Industrial Plus Briggs & Stratton 6.5 hp gas engine with base.	83 lbs.	
D403GRGI-65	10.6	580	3600	Model D403 diaphragm pump with GR40 control unit and KIT1640 gearbox, PowerPro™ 6.5 hp gas engine.	85 lbs.	

† Due to size and weight of pump, only truck shipment is recommended. Hypro will not be responsible for damage in shipment for other transit requests.

Base Plates and Carrying Handles



Part Number	Description	Estimated Weight Ea.	List Price
1510-0005	8" x 15" with 12 gauge	6 lbs.	
1510-0002	9½" x 18" with 10 gauge	8 lbs.	
1510-0001	12" x 21" with 7 gauge	16 lbs.	
1510-0016	14" x 26" with 7 gauge	21 lbs.	
1510-0075	9½" x 4½" with 14 gauge (for 3 and 5 hp Briggs or Honda and 56 frame electric)	11 lbs.	
2801-0001	Two handles, mounting bolts and nuts for #1510-0016 base	3 lbs. 4 oz.	
2801-0002	Two handles, mounting bolts and nuts for #1510-0001 base	3 lbs. 3 oz.	

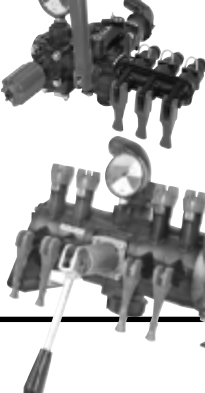
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Control Units for Pressure and Output Control of Sprayer

	Model Number	Description	Max. GPM	Max. PSI	Estimated Weight Ea.	List Price
	9910-KIT1994	Control unit for Model 9910-D12GRGI. Includes relief valve, two 3/8" HB outlets, and 1/2" HB bypass.	3.5	290	1 lb.	
	9910-KIT1990	Control unit for Model 9910-D252. Includes relief valve, pressure/bypass selector, 3/8" HB bypass port and 3/8" HB outlet.	6.0	290	5 oz.	
	9910-GS40GI	Control unit for Models 9910-D30 and D50. Includes pressure gauge, high pressure relief valve, complete bypass lever, two 1/2" HB outlets with individual shut-offs, and 3/4" HB bypass.	21	580	3 lbs. 6 oz.	
	9910-KIT1741	Remote mounting kit for 9910-GS40GI or 9910-GR40 control units. Includes mounting bracket, bolts, and hose barb.			1 lb. 2 oz.	
	9910-GR40	Control unit for Models 9910-D303 and D403. Includes adjustable high pressure relief valves, complete bypass lever, 2 1/2" gauge, two 1/2" HB outlets with individual shut-offs and 5/8" HB bypass.	11	580	2 lbs. 10 oz.	
	9910-RM40	Control unit for Model 9910-D503. Includes high pressure relief valve, complete bypass knob, two 1/2" HB outlets with individual shut-offs and 1" HB by-pass. Unit can be either direct or remote mounted.	24	580	3 lbs. 6 oz.	
	9910-KIT1897	Remote mounting kit for 9910-RM40 control unit. Includes mounting bracket, bolts, and hose barb.	24	580	1 lb. 12 oz.	
	9910-GS50GI	Control unit for Models 9910-D813, -D1064, -D1265 and D1516. Includes pressure gauge, high pressure relief valve, complete bypass lever, three 1/2" HB outlets with individual shut-offs and 1" HB bypass.	48	725	10 lbs.	
	9910-KIT1742	Remote mounting kit for 9910-GS50GI control unit. Includes mounting bracket, bolts, and hose barb.			1 lb. 4 oz.	
	9910-BMH50	Control unit for Models 9910-DBS110, 140, 160 and -DBA110, 140, 160. Includes directional control unit with working pressure regulating valve, single lever for partial or total closure and discharge and glycerine-bath pressure gauge with colored dial.	41	725	8 lbs.	
	9910-GH50	Control unit for Models 9910-DBS110, 140, 160, 200 and -DBA110, 140, 160, 200. Includes working pressure regulating valve, bypass control lever and glycerine-bath pressure gauge with colored dial.	52.8	725	10 lbs.	
	9910-VDR50	Control unit for Models 9910-D503, -D813, -D1064, and -D1265. Includes pressure gauge, high pressure relief valve, complete bypass lever, two 1/2" HB outlets with individual shut-offs and 1" HB bypass. For additional ball valves, order 9910-130491.	35	725	7 lbs.	
	3300-0087 3300-0088	Remote control units for Models 9910-D70, -D115, -D135, and -D160. Includes built-in relief valve, 1" HB inlet, and each unit is supplied with the following hose barb outlets that can be interchanged onto the individual shut-off valves: (3) 3/8" HB outlets, (3) 1/2" HB outlets, (3) 3/4" HB outlets Model 3300-0088 includes a manual bypass lever.	42.5	290	4 lbs. 13 oz.	
	3300-0082	Remote control unit for Model 9910-D250. Unit maintains constant pressure of the system when a boom section is shut off. Includes pressure gauge, relief valve, main shut-off valve, complete bypass lever, four 3/4" HB outlets with individual shut-offs, and 1 1/2" HB bypass.	66	290	16 lbs.	

Gear Reduction Kits

	Kit Number	For Pump Model	Description	Estimated Weight Ea.	List Price
	9910-KIT1640*	9910-D30, D303 and D403	6:1 gear box for standard 5.5 hp gas engine with 3/4" shaft.	8 lbs.	
	9910-KIT1642	9910-D50, D503, D813, D1064 and D1265	6:1 gear box for standard 8-18 hp gas engine with 1" shaft.	9 lbs.	
	8000-0056	D30, D303, D403, D50 and D503	6:1 gear box for standard 5.5 hp or 6.5 hp gas engine with 3/4" shaft.	9 lbs.	

*This kit can also be used with 9910-D50, D503 and D813, providing that pumps are operated at lower pressures that do not exceed 5.5 hp gas engine capability.

1 3/8" 6 Spline PTO Shaft Kits

	Kit Number	For Pump Model	Description	Estimated Weight Ea.	List Price
	9910-KIT1704	9910-D50, D30, D303 and D403	Female PTO coupler and retaining clamp, torque arm and mounting bracket, chains, and necessary hardware.	7 lbs.	
	9910-KIT1708	9910-D70 and D115		6 lbs.	
	9910-KIT2204	9910-D503, D813, D1064 and D1265		7 lbs.	
	9910-KIT1702	9910-D30	Male PTO shaft adapter, mounting bracket and necessary hardware.	3 lbs.	
	9910-KIT1706	9910-D50		4 lbs. 6 oz.	
	9910-KIT1710	9910-D70 and D115		6 lbs.	
	9910-KIT2200	9910-D503, D303 and D403		2 lbs. 2 oz.	
	9910-KIT2201	9910-D813, D1064, D1265		2 lbs. 4 oz.	

1" Solid Shaft Kits

	Kit Number	For Pump Model	Description	Estimated Weight Ea.	List Price
	9910-KIT1703	9910-D30	Male shaft adapter, mounting bracket and necessary hardware.	2 lbs. 5 oz.	
	9910-KIT1707	9910-D50		3 lbs. 10 oz.	
	9910-KIT1711	9910-D70 and D115		6 lbs.	
	9910-KIT2202	9910-D503, D303 and D403		1 lb. 6 oz.	
	9910-KIT2203	9910-D813, D1064, D1265		1 lb. 9 oz.	

Hydraulic Motor Mounting Flange Kits

	Kit Number	For Pump Model	Description	Estimated Weight Ea.	List Price
	9910-HYD5312	9910-D30, D303, D403, D50, D503, D813, D1064 and D1265	Kit includes one flange with SAE "A" 2-bolt hydraulic motor mount, one 1" hollow shaft and hardware for mounting.	6 lbs.	
	9910-HYD1570	9910-D160 and D250	Kit includes one flange with SAE "A" 2-bolt hydraulic motor mount, one coupling and hardware for mounting. <i>Hollow 1" shaft 1/4" keyed.</i>	6 lbs.	
	9910-HYD2495	9910-D70, D115, D135, D160 and D250	Kit includes one flange with SAE "A" 2-bolt hydraulic motor mount, one coupling, two pins and spacer for D135. <i>Hollow 1" shaft 1/4" keyed.</i>	2 lbs. 4 oz.	

Diaphragm Pump Repair Kits

For Pump Model	Diaphragm Kit (Desmopan)	Diaphragm Kit (Buna-N)	Valve Kit	O-ring Kit
9910-D70	9910-KIT1720		9910-KIT2364	9910-KIT2365
9910-D115 and D135	9910-KIT1721		9910-KIT2370	9910-KIT2026
9910-D160	9910-KIT1730		9910-KIT2374	9910-KIT1908
9910-D250	9910-KIT1722		9910-KIT2114	9910-KIT1904
9910-D12GRGI	9910-KIT1882		9910-KIT1992	
9910-D503	9910-KIT1881		9910-KIT1987	9910-KIT1984
9910-D252 (all versions)	9910-KIT1723		9910-KIT2408	9910-KIT2409
9910-D30 (all versions)	9910-KIT1724	9910-KIT2110	9910-KIT1917	9910-KIT1916
9910-D50	9910-KIT1725	9910-KIT2111	9910-KIT1920	9910-KIT1919
9910-DBS110, DBS140, DBA110 and DBA140		9910-KIT2444	9910-KIT2445	9910-KIT2446
9910-DBS160, DBS200, DBA160 and DBA200		9910-KIT2456	9910-KIT2374	9910-KIT2457
9910-D303	9910-KIT2423		9910-KIT2388	9910-KIT2389
9910-D403	9910-KIT2423		9910-KIT2388	9910-KIT2389
9910-D813	9910-KIT2479		9910-KIT1963	9910-KIT2376
9910-D1064	9910-KIT2480		9910-KIT1964	9910-KIT2378
9910-D1265	9910-KIT2100		9910-KIT2024	9910-KIT2347
9910-D1554	9910-KIT1734		9910-KIT1965	9910-KIT1972
9910-D1516	9910-KIT2113		9910-KIT2053	9910-KIT2349

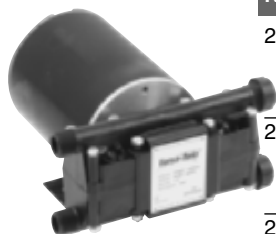
Versa-Twin Diaphragm/Plunger Pumps and Accessories



AE50 – Outstanding Innovations

The AE50 Award honors companies offering the best products engineered for agricultural, food, biological and related systems available on the market for the first time that year. In 2005, Hypro was recognized for the Versa-Twin™ 2100 Pump, a lightweight, highly versatile pump that uses a body that can be adapted to either a high pressure plunger pump or a high flow diaphragm pump by simply changing a few internal components.

Series 2100 Versa-Twin™ Diaphragm Pump



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
2150P-D35DC	7.0	100	1800	2 - diaphragm pump - ¾" MNPT Ports, Polyester (PBT) Body, Polyurethane Diaphragm, ½ hp, 12V DC Motor, 75% Duty Cycle	37 lbs.	
2150P-D39DC	8.3	100	1800	2 - diaphragm pump - ¾" MNPT Ports, Polyester (PBT) Body, Polyurethane Diaphragm, ½ hp, 12V DC Motor, Continuous Duty	37 lbs.	
2150P-D05AC	6.7	100	1750	2 - diaphragm pump - ¾" MNPT Ports, Polyester (PBT) Body, Polyurethane Diaphragm, 110 VAC, 60Hz AC Motor, Continuous Duty	31 lbs.	
2150P-D05EU	6.7	100	1750	2 - diaphragm pump - ¾" MNPT Ports, Polyester (PBT) Body, Polyurethane Diaphragm, 208-230 VAC, 50Hz AC Motor, Continuous Duty	31 lbs.	
2150P-D55GE	7.0	100	1875	2 - diaphragm pump - ¾" MNPT Ports, Polyester (PBT) Body, Polyurethane Diaphragm, 5.5 hp, PowerPro™ Gasoline Engine - 2:1 Reduction	31 lbs.	
2150PX	Replacement pump head				2 lbs.	
3430-0633	Diaphragm repair kit				1 lb.	
3430-0634	Valve kit				1 lb.	

Series 2100 Versa-Twin™ Plunger Pump



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
2120P-P18DC	2.7	150	2200	¾" MNPT Ports, Polyester (PBT) Body, Ceramic Plunger, ½ HP, 12V DC Motor, 65% Duty Cycle	14 lbs.	
2120P-P35DC	2.9	300	1800	¾" MNPT Ports, Polyester (PBT) Body, Ceramic Plunger, ½ HP, 12V DC Motor, 75% Duty Cycle	37 lbs.	
2120P-P39DC	2.9	300	1800	¾" MNPT Ports, Polyester (PBT) Body, Ceramic Plunger, ½ HP, 12V DCMotor, Continuous Duty	37 lbs.	
2120P-P05AC	2.5	300	1750	¾" MNPT Ports, Polyester (PBT) Body, Ceramic Plunger, 110 VAC/60Hz AC Motor, Continuous Duty	30 lbs.	
2120P-P05EU	2.5	300	1750	¾" MNPT Ports, Polyester (PBT) Body, 208-230 VAC, 50Hz AC Motor, Continuous Duty	30 lbs.	
2120P-P55GE	2.9	300	1875	¾" MNPT Ports, Polyester (PBT) Body, Ceramic Plunger, 5.5 HP PowerPro™ Gasoline Engine Series - 2:1 Reduction	35 lbs.	
2120PX	Replacement pump head				4 lbs.	
3430-0631	Packing kit				1 lb.	
3430-0632	Valve kit				1 lb.	

Piston Pumps

5200 Series Big Twin® Piston Pumps



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
5206C	8.0	600	800	Cast iron pump with leather cups and Ni-Resist sleeves, 1" solid shaft with base, 3/4" ports, 140°F maximum temp.	18 lbs.	
5206C-H	8.0	400	800	Cast iron pump with leather cups and Ni-Resist sleeves, 1 3/8" hollow shaft w/base, 3/4" ports, 140°F maximum temp.	18 lbs.	
5210C	10.0	400	600	Cast iron pump with leather cups and Ni-Resist sleeves, 1" solid shaft with base 3/4", ports, 140°F maximum temp.	18 lbs.	
5210C-H	10.0	400	600	Cast iron pump with leather cups and Ni-Resist sleeves, 1 3/8" hollow shaft w/base, 3/4" ports, 140°F maximum temp.	18 lbs.	
3430-0037	Leather cup kit.				3 oz.	

Fabric Cups - Add Suffix "F" - (ie.: 5206C-F)

Buna-N Cups - Add Suffix "R" - (ie.: 5206C-R)

5300 Series Small Twin® Piston Pumps with Solid Shaft



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
5315C-X 5315C-RX 5315C-CX	1.5	500	1800	Cast iron pumps with base, 5/8" OD solid shaft, 1/2" NPT ports, 140° F maximum temp. Cup material: X (leather), RX (Buna-N), CX (Teflon).	10 lbs.	
5320C-X 5320C-RX 5320C-CX	2.2	500	1800	Cast iron pumps with base, 5/8" OD solid shaft, 1/2" NPT ports, 140° F maximum temp. Cup material: X (leather), RX (Buna-N), CX (Teflon).	10 lbs.	
5325C-X 5325C-RX 5325C-CX	2.5	500	1800	Cast iron pumps with base, 5/8" OD solid shaft, 1/2" NPT ports, 140° F maximum temp. Cup material: X (leather), RX (Buna-N), CX (Teflon).	10 lbs.	
5330C-X 5330C-RX 5330C-CX	3.0	500	1800	Cast iron pumps with base, 5/8" OD solid shaft, 1/2" NPT ports, 140°F maximum temp. Cup material: X (leather), RX (Buna-N), CX (Teflon).	10 lbs.	

5300 Series Small Twin® Piston Pumps with Hollow Shaft



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
5315C-HX 5315C-HRX 5315C-CHX	1.5	500	1800	Cast iron pumps with torque arm, 5/8" ID hollow shaft, 1/2" NPT ports, 140°F maximum temp. Cup material: HX (leather), HRX (Buna-N), CHX (Teflon).	10 lbs.	
5320C-HX 5320C-HRX 5320C-CHX	2.2	500	1800	Cast iron pumps with torque arm, 5/8" ID hollow shaft, 1/2" NPT ports, 140°F maximum temp. Cup material: HX (leather), HRX (Buna-N), CHX (Teflon).	10 lbs.	
5325C-HX 5325C-HRX 5325C-CHX	2.5	500	1800	Cast iron pumps with torque arm, 5/8" ID hollow shaft, 1/2" NPT ports, 140°F maximum temp. Cup material: HX (leather), HRX (Buna-N), CHX (Teflon).	10 lbs.	
5330C-HX 5330C-HRX 5330C-CHX	3.0	500	1800	Cast iron pumps with torque arm, 5/8" ID hollow shaft, 1/2" NPT ports, 140°F maximum temp. Cup material: HX (leather), HRX (Buna-N), CHX (Teflon).	10 lbs.	

Prices Subject to Change Without Notice

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

Plunger Pumps

5300 Series Small Twin® Plunger Pumps with Solid Shaft



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
5321C	2.2	1000	1800	Cast iron pumps with base and Buna-N seals, 5/8" OD solid shaft, 1/2" NPT ports, 180°F maximum temp. Plunger material: 5321 (stainless steel), 5322 (ceramic).	11 lbs.	
5322C	2.2	1000	1800		11 lbs.	
5324C	2.9	800	1800	Cast iron pumps with base and Buna-N seals, 5/8" OD solid shaft, 1/2" NPT ports, 140°F maximum temp. Plunger material: stainless steel.	11 lbs.	

5300 Series Small Twin® Plunger Pumps with Hollow Shaft



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
5321C-H	2.2	1000	1800	Cast iron pumps with torque arm and Buna-N seals, 5/8" ID hollow shaft, 1/2" NPT ports, 180°F maximum temp. Plunger material: 5321 (stainless steel), 5322 (ceramic).	11 lbs.	
5322C-H	2.2	1000	1800		10 lbs.	
5324C-H	2.9	800	1800	Cast iron pumps with torque arm and Buna-N seals, 5/8" ID hollow shaft, 1/2" NPT ports, 140°F maximum temp. Plunger material: stainless steel.	11 lbs.	

5300 Series Small Twin® Plunger Pumps for High Speed Applications



Model Number	Max. GPM	Max. PSI	Max. RPM	Description	Estimated Weight Ea.	List Price
53702	2.2	1000	3450	Cast iron pumps with torque arm and Buna-N seals and ceramic plungers. 5/8" ID hollow shaft, 1/2" NPT ports, 180°F maximum temp.	11 lbs.	
53703*	2.3	1000	3100		11 lbs.	

* Requires a "special order" gas engine with a 5/8" shaft.

PowerPro™ Gasoline Engines

High Quality, Field-Proven Engine



- Available in multiple horsepower options to suit a diverse range of agricultural, industrial, and lawn & garden applications
- Electric-start option available for quick start-up
- Dual-element air filter provides highest degree of filtering
- Cast iron cylinder sleeve for commercial use
- Overhead valve for cleaner operation on most models; flat head on 2.5 HP
- Equipped with a robust low-oil sensor to prevent engine damage
- Choose between CARB/EPA certified or EPA only certified engines
- Engines can be configured to various Hypro pump models or purchased individually
- Supported with a one-year warranty from Hypro; repair parts available for easy servicing

Part Number	HP	Description	Estimated Weight Ea.	List Price
2549-0043	2.5	Power Pro™ gas engine with 5/8" keyed shaft. Equipped with low-oil sensor to prevent engine damage.	23 lbs.	
2549-0044	2.5	Power Pro™ gas engine with 5/8" keyed shaft. Equipped with low-oil sensor to prevent engine damage. EPA only.	23 lbs.	
2541-0045	6.5	Power Pro™ gas engine with 3/4" keyed shaft. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	40 lbs.	
2541-0053	6.5	Power Pro™ gas engine with 3/4" keyed shaft, electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	40 lbs.	
2541-0046	6.5	Power Pro™ gas engine with 5/8" keyed shaft. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	40 lbs.	
2541-0055	6.5	Power Pro™ gas engine with 5/8" threaded shaft, electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	40 lbs.	
2541-0054	6.5	Power Pro™ gas engine with 5/8" threaded shaft, 2: 1 chain reduction drive - electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	40 lbs.	
2541-0047	9	Power Pro™ gas engine with 1" keyed shaft. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	58 lbs.	
2541-0056	9	Power Pro™ gas engine with 1" keyed shaft, electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	58 lbs.	
2541-0048	13	Power Pro™ gas engine with 1" keyed shaft. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	73 lbs.	
2541-0049	13	Power Pro™ gas engine with 1" keyed shaft, electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	73 lbs.	
2541-0050	13	Power Pro™ gas engine with 1" threaded shaft. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	73 lbs.	
2541-0051	13	Power Pro™ gas engine with 1" threaded shaft, electric start. Equipped with overhead valve for cleaner operation and low-oil sensor to prevent engine damage.	73 lbs.	

Other Pump

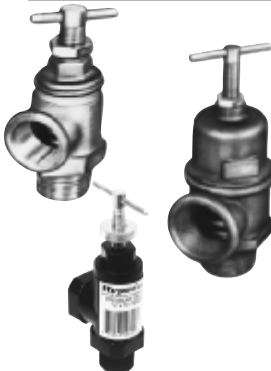
Accessories

Hypro Pump Oil

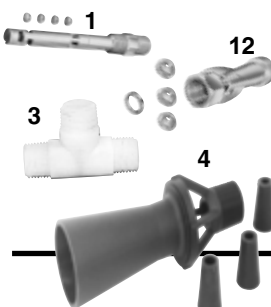
	Part Number	Description	Estimated Weight Ea.	List Price
	2160-0038	1 quart of specially-formulated pump oil	2 lbs.	
	2160-0047	1 gallon of specially-formulated pump oil	9 lbs.	
	2160-0048	2½ gallons of specially-formulated pump oil	22 lbs.	

All Hypro Plunger Pumps are shipped with oil. To optimize pump life, Hypro recommends an oil change after 40 hours of break-in operation and every three months or 500 hour intervals thereafter. Use only Hypro oil.

Relief Valves

	Part Number	Ports - NPT Inlet (M) Outlet (F)	Max. PSI	Body Material	Valve Material	Estimated Weight Ea.	List Price
	3300-0002	½" M x ½" F	200	cast bronze	stainless steel ball	10 oz.	
	3300-0001	¾" M x ¾" F	400	cast bronze	stainless steel ball	1 lb. 1 oz.	
	3301-0001	¾" M x ¾" F	400	cast bronze	flat neoprene	1 lb. 2 oz.	
	3300-0093	¾" M x ¾" F	300	cast bronze	stainless steel ball	1 lb. 2 oz.	
	3300-0094	1" M x ¾" F	150	cast bronze	stainless steel ball	1 lb. 4 oz.	
	3316-0002	1 ¼"	200	cast iron	stainless steel cone	2 lbs. 14 oz.	
	3300-0015	¾" M - ¾" F	150	nylon	nylon	6 oz.	
	3300-0016	¾" M - ¾" F	250	nylon	nylon	6 oz.	
	3300-0098	¾" M - ¾" F	400	nylon	nylon	6 oz.	

Jet Agitators

	Part Number	Thread	Max. Input:Output Ratio	Material	Estimated Weight Ea.	List Price
	3371-0019	¾" NPT (M) x ¾" NPT (M)	3.9	polypropylene	2 oz.	
	3371	½" NPT (F) in, ¾" NPT (M) out	3.4	polypropylene	1 oz.	
	3R12	½" NPT (M) Tee	—	polypropylene	1 oz.	
	3371-0028	¾" NPT (M) (high volume)	5.1	polypropylene	2 oz.	

For other agitators and related items, see pages 34-81

Spray Tips

Agricultural, Turf and Horticultural Spray Tip Selection Guide

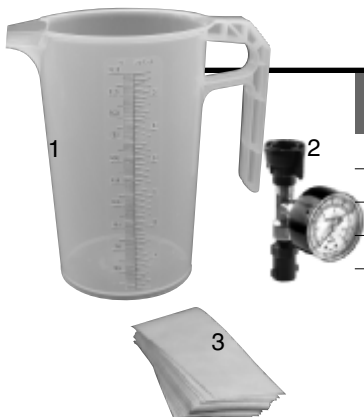
Manufacturer's Recommended droplet size		Herbicides				Fungicides		Insecticides		Liquid Fertilizer			
		Soil Incorporated	Pre-Emerge	Post-Emerge		Contact	Systemic	Contact	Systemic				
				Contact	Systemic								
	XC		VC		C		C		M		C		XC
	VC		C		M		C		F		M		VC
	C		M		F		M		VF		F		C

Section	Code	Spray Tip	Orifice Material	Pressure Range	Nominal Spray Angle	Pattern	Page	VF	F	M	C	VC	XC
Broadcast	ULD	Ultra Lo-Drift™	Polyacetal	15 to 115	120	Tapered Fan			*	*	*	*	*
	AVI	Air Injected Anti-Drift	Ceramic	30 to 100	80,110	Tapered Fan					*	*	*
	GA	Guardian Air™	Polyacetal	15 to 115	110	Tapered Fan				*	*	*	*
	GRD	Guardian™	Polyacetal	15 to 115	120	Tapered Fan				*	*	*	*
	LD	Lo-Drift™	Polyacetal or PVDF	15 to 70	80,110	Tapered Fan			*	*	*	*	*
	ADI	Drift Reduction	Ceramic	30 to 70	110	Tapered Fan			*	*	*	*	*
	TR	Total Range™	Stainless Steel	15 to 70	80,110	Tapered Fan		*	*	*	*	*	*
	AXI	Wide Range Fan	Ceramic	20 to 70	80,110	Tapered Fan		*	*	*	*	*	*
	VP	Variable Pressure Fan	Polyacetal	15 to 70	80,110	Tapered Fan			*	*	*	*	*
	F	FanTip™ Standard Fan	Polyacetal or PVDF	30 to 60	80,110	Tapered Fan		*	*	*	*	*	*
Wide	HF	Hi-Flow™	Polyacetal	20 to 80	140	Wide-angle Tapered Fan							*
	DT	DeflecTip™	Polyacetal	15 to 40	80 to 145	Wide-angle Flood			*	*	*	*	*
	APM	Wide Angle Flood	Ceramic	10 to 60	80 to 160	Wide-angle Flood				*	*	*	*
	DTC	Cam Coupler DeflecTip™	Polyacetal	10 to 60	110 to 150	Wide-angle Flood					*	*	*
Stream	ESI	Six Stream	Ceramic	15 to 60	0	6-stream							S
	FanJet	Straight Stream (CM)	PVDF	15 to 150	0	Stream							S
	AMT	Flow Regulating Disc	Ceramic	10 to 725	0	Stream							S
Banding & Directed	DC/CR	SwirlTip™ Disc/Core	Polyacetal	40 to 150	*	Hollow Cone		*	*	*	*	*	*
	DCC/CRC	Disc and Core	Ceramic	40 to 300	*	Hollow Cone							
	HCX	HollowTip™ Hollow Cone	Polyacetal	40 to 150	80	Hollow Cone		*	*	*	*	*	*
	ATR	Hollow Cone	Ceramic	10 to 350	80	Hollow Cone		*	*	*	*	*	*
	HCA	Hollow Cone	Ceramic	40 to 350	80	Hollow Cone		*	*	*	*	*	*
	TVI	Hollow Cone	Ceramic	70 to 360	80	Hollow Cone					*	*	*
	FCX	Full Cone	Polyacetal	40 to 150	80	Full Cone		*	*	*	*	*	*
	E	Fan Tip™ Even Flat	Polyacetal	30 to 60	80	Even Fan			*	*	*	*	*
	OC	Off-Center Flat	Brass	30 to 60	80	Off-center Tapered Fan			*	*	*	*	*
	OCI	Off-Center Ceramic	Ceramic	30 to 60	80	Off-center Tapered Fan			*	*	*	*	*
	AVI-OC	Air Injected Off-Center	Ceramic	30 to 100	80	Off-center Tapered Fan						*	*
	XT	Boom X Tender™	Polyacetal or S-Steel	30 to 60	---	Ultra-wide Boomless Fan			*	*	*	*	*
Special	TC	TwinCap™	Polyacetal or PVDF	---	---	Double Tip Holder							
	ATW	Air-Injected Twin Fan	Ceramic	40 to 100	110	Twin Tapered Fan							

s These nozzles produce streams to minimize atomization

* See product page for complete listing

Code	Classification
VF	Very Fine
F	Fine
M	Medium
C	Coarse
VC	Very Coarse
XC	Extremely Coarse



Reference Number	Part Number	Description	List Price
1	9950-0022	34 oz. Calibration Jug	
1	9950-0023	128 oz. Calibration Jug	
2	9950-0031	Spray Tip Calibration pressure gauge	
3	9950-0028	Water Sensitive paper (50 pack) 76x26mm (instructions included)	

Broadcast Spray Tips



FastCapULD®– Ultra Lo-Drift™ - Tip, Cap and Gasket



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Green	120 Degrees	0.15 gpm	FC-ULD120-015	
Yellow	120 Degrees	0.2 gpm	FC-ULD120-02	
Lilac	120 Degrees	0.25 gpm	FC-ULD120-025	
Blue	120 Degrees	0.3 gpm	FC-ULD120-03	
Red	120 Degrees	0.4 gpm	FC-ULD120-04	
Brown	120 Degrees	0.5 gpm	FC-ULD120-05	
Gray	120 Degrees	0.6 gpm	FC-ULD120-06	
White	120 Degrees	0.8 gpm	FC-ULD120-08	

Retail packaging available, add prefix "6PK-" (i.e.: 6PK-FCULD120015).



ULD – Ultra Lo-Drift™ - Dual Air Eduction - Flat Fan Polyacetal Tip



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Green	120 Degrees	0.15 gpm	ULD120-015	
Yellow	120 Degrees	0.2 gpm	ULD120-02	
Lilac	120 Degrees	0.25 gpm	ULD120-025	
Blue	120 Degrees	0.3 gpm	ULD120-03	
Red	120 Degrees	0.4 gpm	ULD120-04	
Brown	120 Degrees	0.5 gpm	ULD120-05	
Gray	120 Degrees	0.6 gpm	ULD120-06	
White	120 Degrees	0.8 gpm	ULD120-08	

Use Hypro spray tip cap 402990 Retail packaging available, add prefix "4PK-" (i.e.: 4PK-ULD120-015).

FastCap GA – GuardianAIR™ - Tip, Cap and Gasket



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Green	110 Degrees	0.15 gpm	FC-GA110-015	
Yellow	110 Degrees	0.2 gpm	FC-GA110-02	
Lilac	110 Degrees	0.25 gpm	FC-GA110-025	
Blue	110 Degrees	0.3 gpm	FC-GA110-03	
Maroon	110 Degrees	0.35 gp	FC-GA110-035	
Red	110 Degrees	0.4 gpm	FC-GA110-04	
Brown	110 Degrees	0.5 gpm	FC-GA110-05	

GA – GuardianAIR™ Flat Fan Polyacetal Tip



Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Green	110 Degrees	0.15 gpm	GA110-015	
Yellow	110 Degrees	0.2 gpm	GA110-02	
Lilac	110 Degrees	0.25 gpm	GA110-025	
Blue	110 Degrees	0.3 gpm	GA110-03	
Maroon	110 Degrees	0.35 gpm	GA110-035	
Red	110 Degrees	0.4 gpm	GA110-04	
Brown	110 Degrees	0.5 gpm	GA110-05	

GRD – Guardian™ – Tip, Cap, Gasket and Removeable Strainer



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Green	120 Degrees	0.15 gpm	GRD120-015	
Yellow	120 Degrees	0.2 gpm	GRD120-02	
Lilac	120 Degrees	0.25 gpm	GRD120-025	
Blue	120 Degrees	0.3 gpm	GRD120-03	
Red	120 Degrees	0.4 gpm	GRD120-04	
Brown	120 Degrees	0.5 gpm	GRD120-05	
Gray	120 Degrees	0.6 gpm	GRD120-06	
White	120 Degrees	0.8 gpm	GRD120-08	

Replacement strainer 9950-0038 or 9950-0040. Retail packaging available, add prefix "6PK-" (i.e.: 6PK-GRD120-015).

ADI – Anti-Drift - Flat Fan Ceramic Tip



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Orange	110 Degrees	0.1 gpm	ADI-11001	
Green	110 Degrees	0.15 gpm	ADI-110015	
Yellow	110 Degrees	0.2 gpm	ADI-11002	
Blue	110 Degrees	0.3 gpm	ADI-11003	
Red	110 Degrees	0.4 gpm	ADI-11004	

Use Hypro spray tip cap 402990 series;



Flat Fan Spray Tips — GuardianAIR Twin™ 110°



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
Yellow	110 Degrees	0.20 gpm	GAT110-02	
Lilac	110 Degrees	0.25 gpm	GAT110-025	
Blue	110 Degrees	0.30 gpm	GAT110-03	
Red	110 Degrees	0.40 gpm	GAT110-04	
Brown	110 Degrees	0.50 gpm	GAT110-05	
Gray	110 Degrees	0.60 gpm	GAT110-06	
White	110 Degrees	0.80 gpm	GAT110-08	

Wide-Angle Flat Spray Tips

HF - Hi-Flow™ Wide-Angle Drift Reducing Tips



AE50 – Outstanding Innovations

The AE50 Award honors companies offering the best products engineered for agricultural, food, biological and related systems available on the market for the first time that year. In 2004, Hypro was recognized for the Hi-Flow™ spray tip, a wide-angle low drift tip that utilizes proven technology in new ways. The unique design gives applicators a reduction of fine droplets, allowing them to spray with a consistent pattern while achieving a resistance to drift.



ISO Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
White	140 Degrees	0.8 gpm	HF140-08	
Light Blue	140 Degrees	1.0 gpm	HF140-10	
Lime Green	140 Degrees	1.5 gpm	HF140-15	

Use Hypro replacement O-ring 65-BS205; Retail packaging available, add prefix "6PK-" (i.e.: 6PK-HF140-08).

DT – DeflecTip™ – Wide-Angle Flat Flood Polyacetal Tip



ISO Color	Spray Angle @ 20 PSI	Flow @ 10 PSI	Part Number	List Price
Orange	80 Degrees	0.05 gpm	30DT0.5	
Green	95 Degrees	0.075 gpm	30DT0.75	
Yellow	105 Degrees	0.1 gpm	30DT1.0	
Blue	105 Degrees	0.15 gpm	30DT1.5	
Red	105 Degrees	0.2 gpm	30DT2.0	
Brown	110 Degrees	0.25 gpm	30DT2.5	
Gray	110 Degrees	0.3 gpm	30DT3.0	
White	120 Degrees	0.4 gpm	30DT4.0	
Light Blue	125 Degrees	0.5 gpm	30DT5.0	
Lime Green	145 Degrees	0.75 gpm	30DT7.5	
Black	145 Degrees	1.0 gpm	30DT10	
Pink	145 Degrees	1.5 gpm	30DT15	
Purple	145 Degrees	2.0 gpm	30DT20	

Use Hypro spray tip cap 402990 series; Retail packaging available, add prefix "6PK-" (i.e.: 6PK-DT1.5).

APM – Wide-Angle Flat Flood Ceramic Tip



Color	Spray Angle @ 30 PSI	Flow @ 10 PSI	Part Number	List Price
Yellow	80 Degrees	0.12 gpm	APM-YELLOW	
Orange	110 Degrees	0.20 gpm	APM-ORANGE	
Red	125 Degrees	0.30 gpm	APM-RED	
Green	135 Degrees	0.40 gpm	APM-GREEN	
Blue	140 Degrees	0.50 gpm	APM-BLUE	
Gray	160 Degrees	0.70 gpm	APM-GRAY	
Black	160 Degrees	0.91 gpm	APM-BLACK	

Use Hypro spray tip cap 402990 series;

Hollow Cone Disc and Core SwirlTip™ Selection Guide

	Disc/Core	Spray Angle @ 40 PSI	Flow @ 40 PSI	Disc Part Number	Core Part Number
	Gray/Light Blue	50 Degrees	0.072 gpm	30-DC-01	30-CR-23
	Black/Light Blue	60 Degrees	0.090 gpm	30-DC-1.5	30-CR-23
	Brown/Light Blue	70 Degrees	0.100 gpm	30-DC-02	30-CR-23
	Gray/Yellow	30 Degrees	0.100 gpm	30-DC-01	30-CR-25
	Gray/Moss Green	20 Degrees	0.130 gpm	30-DC-01	30-CR-45
	Orange/Light Blue	75 Degrees	0.130 gpm	30-DC-03	30-CR-23
	Black/Yellow	40 Degrees	0.140 gpm	30-DC-1.5	30-CR-25
	Red/Light Blue	80 Degrees	0.150 gpm	30-DC-04	30-CR-23
	Black/Moss Green	30 Degrees	0.160 gpm	30-DC-1.5	30-CR-45
	Brown/Yellow	50 Degrees	0.160 gpm	30-DC-02	30-CR-25
	Light Blue/Light Blue	90 Degrees	0.180 gpm	30-DC-05	30-CR-23
	Orange/Yellow	60 Degrees	0.190 gpm	30-DC-03	30-CR-25
	Brown/Moss Green	45 Degrees	0.200 gpm	30-DC-02	30-CR-45
	Yellow/Light Blue	90 Degrees	0.210 gpm	30-DC-06	30-CR-23
	Orange/Moss Green	55 Degrees	0.240 gpm	30-DC-03	30-CR-45
	Red/Yellow	75 Degrees	0.290 gpm	30-DC-04	30-CR-25
	Light Blue/Yellow	80 Degrees	0.350 gpm	30-DC-05	30-CR-25
	Red/Moss Green	70 Degrees	0.360 gpm	30-DC-04	30-CR-45
	Yellow/Yellow	85 Degrees	0.440 gpm	30-DC-06	30-CR-25
	Light Blue/Moss Green	75 Degrees	0.460 gpm	30-DC-05	30-CR-45
	Emerald Green/Yellow	90 Degrees	0.520 gpm	30-DC-07	30-CR-25
	Yellow/Moss Green	80 Degrees	0.600 gpm	30-DC-06	30-CR-45
	White/Yellow	95 Degrees	0.610 gpm	30-DC-08	30-CR-25
	Emerald Green/Moss Green	85 Degrees	0.680 gpm	30-DC-07	30-CR-45
	Lime Green/Yellow	100 Degrees	0.760 gpm	30-DC-10	30-CR-25
	White/Moss Green	90 Degrees	0.840 gpm	30-DC-08	30-CR-45

Order DC disc and CR core separately (below).

DC – Flow Regulating Disc

	Disc Color	Flow @ 40 PSI	Part Number	List Price
	Dark Gray	0.016 gpm	30-DC-0.01	
	Terracotta	0.06 gpm	30-DC018	
	Pink	0.076 gpm	30-DC-0.5	
	Gray	0.114 gpm	30-DC-01	
	Black	0.156 gpm	30-DC-1.5	
	Brown	0.210 gpm	30-DC-02	
	Orange	0.266 gpm	30-DC-03	
	Red	0.484 gpm	30-DC-04	
	Blue	0.784 gpm	30-DC-05	
	Yellow	1.14 gpm	30-DC-06	
	Green	1.52 gpm	30-DC-07	
	White	1.92 gpm	30-DC-08	
	Lime Green	3.10 gpm	30-DC-10	
	Royal Blue	4.40 gpm	30-DC-12	

Use Hypro spray tip cap 402904 series;
See hollow cone disc and core selection guide (above).

CR – Core

	Core Color	Part Number	List Price
	Red	30-CR-13	
	Light Blue	30-CR-23	
	Yellow	30-CR-25	
	Moss Green	30-CR-45	

Use with DC disc in Hypro spray tip cap 402904 series;
See hollow cone disc and core selection guide (above).

TwinCap™ and Twin Spray Tips

TwinCap™ – Twin Spray Tip Cap

	Part Number	Description	List Price
	152607TC	EF3 TwinCap™ Assembly (tips not included)	
	15Q2530TC	Acid-Resistant TwinCap™ Assembly, gray (tips not included)	
	65MN011x1.3	EPDM Internal O-ring for use with 152607TC	
	22W11MF64	EPDM Cap Gasket for use with 152607TC	
	65VBS0113-13	Viton Internal O-Ring for use with 15Q2530TC	

Retail packaging available, add prefix "6PK-" (i.e.: 6PK-152607TC).

ULD TwinCap™ – Ultra Lo-Drift™ Tips in Twin Spray Tip Cap

	Part Number	Tip Color	Equivalent to Size	List Price
	TC2-ULD120-015	Green	03	
	TC2-ULD120-02	Yellow	04	
	TC2-ULD120-025	Lilac	05	
	TC2-ULD120-03	Blue	06	
	TC2-ULD120-04	Red	08	

Retail packaging available, add prefix "4PK-" (i.e.: 4PK-TC2ULD015).

LD TwinCap™ – Lo-Drift™ Tips in Twin Spray Tip Cap

	Part Number	Tip Color	Equivalent to Size	List Price
	TC2-LD110-015	Green	03	
	TC2-LD110-02	Yellow	04	
	TC2-LD110-025	Lilac	05	
	TC2-LD110-03	Blue	06	
	TC2-LD110-04	Red	08	

Retail packaging available, add prefix "4PK-" (i.e.: 4PK-TC2LD015).

ATW - Air Inducing Venturi – Twin Flat Fan Ceramic Tip

	Color	Spray Angle	Flow @ 40 PSI	Part Number	List Price
	Orange	110 Degrees	0.1 gpm	ATW-11001	
	Green	110 Degrees	0.15 gpm	ATW-110015	
	Yellow	110 Degrees	0.2 gpm	ATW-11002	
	Blue	110 Degrees	0.3 gpm	ATW-11003	
	Red	110 Degrees	0.4 gpm	ATW-11004	
	Brown	110 Degrees	0.5 gpm	ATW-11005	

Use Hypro spray tip cap 402990 series;

Nozzle Bodies

Hose Shank Nozzle Bodies with Diaphragm Check Valve for Dry Booms *(less clamps)*



Elbow Part Number	Tee Part Number	Hose I.D.	List Price
413411	413421	3/8"	
413412	413422	1/2"	
413413	413423	3/4"	

Comes standard with 8 psi check valve and EPDM seal.

ProFlo™ Nozzle Bodies

3 and 5-way Nozzle Bodies for wet Boom (no tab for boom clamp)



Part Number	Seal / Option Housing Reference	Number of spray Outlets	To Clamp On	List Price
4223N-B322-00	EPDM / Red	3	1/2" Pipe	
4223N-B323-00	EPDM / Red	3	3/4" Pipe	
4223N-B324-00	EPDM / Red	3	1" Pipe	
4223N-B522-00	EPDM / Red	5	1/2" Pipe	
4223N-B523-00	EPDM / Red	5	3/4" Pipe	
4223N-B524-00	EPDM / Red	5	1" Pipe	
4223N-B322V-00	Viton / Green	3	1/2" Pipe	
4223N-B323V-00	Viton / Green	3	3/4" Pipe	
4223N-B324V-00	Viton / Green	3	1" Pipe	
4223N-B522V-00	Viton / Green	5	1/2" Pipe	
4223N-B523V-00	Viton / Green	5	3/4" Pipe	
4223N-B524V-00	Viton / Green	5	1" Pipe	

Comes standard with 8 psi check valve.

* High flow nozzle bodies have 34% more flow capacity at 40 psi than standard flow nozzle bodies.

Wet Booms Single Nozzle Bodies-No DCV



Part Number	To Clamp On	List Price
4201N-B102	1/2" Pipe	
4201N-B103	3/4" Pipe	
4201N-B104	1" Pipe	

Single Drop Nozzle Body with Diaphragm Check Valve for Wet Boom



Part Number	Seal / Option Housing Reference	To Clamp On	List Price
4221N-B122-00	EPDM / Red	1/2" Pipe	
4221N-B123-00	EPDM / Red	3/4" Pipe	
4221N-B124-00	EPDM / Red	1" Pipe	
4221N-B122V-00	Viton / Green	1/2" Pipe	
4221N-B123V-00	Viton / Green	3/4" Pipe	
4221N-B124V-00	Viton / Green	1" Pipe	

Comes standard with 8 psi check valve.

1/4" FNPT Outlet - Substitute B with F (i.e.: 4221N-F122-00

3430-0754

Contains all internal seals/EPDM

3430-0754V

Contains all internal seals/Viton

Replacement Seal/O-ring Kit ProFlo Body



Part Number	Description	List Price
3430-0754	Contains all internal seals / EPDM	
3430-0754V	Contains all internal seals / Viton	

Wet Boom Bolt and Nut / Wet Boom Screw



Part Number	Description	List Price
3430-0755	Contains replacement screw, nut and Stem o-ring / EPDM	
3430-0755V	Contains replacement screw, nut and Stem o-ring / Viton	

11/16" MPS Nozzle Bodies

	Reference Number	Standard Pack	Description	Nylon Part Number	Nylon List Price	Poly Part Number	Poly List Price
	1	25	11/16" MPS X 1/4" HB Elbows	NTL14		3NTL14	
	1	25	11/16" MPS X 3/8" HB Elbows	NTL38		3NTL38	
	1	25	11/16" MPS X 1/2" HB Elbows	NTL12		3NTL12	
	1	25	11/16" MPS X 5/8" HB Elbows	NTL58		3NTL58	
	1	25	11/16" MPS X 3/4" HB Elbows	NTL34		3NTL34	
	2	25	11/16" MPS X 3/8" HB Tees	NTT38		3NTT38	
	2	25	11/16" MPS X 1/2" HB Tees	NTT12		3NTT12	
	2	25	11/16" MPS X 5/8" HB Tees	NTT58		3NTT58	
	2	25	11/16" MPS X 3/4" HB Tees	NTT34		3NTT34	
	3	25	11/16" MPS X 3/8" HB Crosses	T38C		3T38C	
	3	25	11/16" MPS X 1/2" HB Crosses	T12C		3T12C	
	3	25	11/16" MPS X 5/8" HB Crosses	T34C		3T34C	
	4	25	11/16" MPS X 3/8" HB Nozzle Shanks Straight	38D		338D	
	4	25	11/16" MPS X 1/2" HB Nozzle Shanks Straight	3812D		33812D	

Includes B12/3B12 nut.

Nozzle Body Cap and Nut

	Reference Number	Standard Pack	Description	Nylon Part Number	Nylon List Price	Poly Part Number	Poly List Price
	1	25	11/16" FPS Nozzle blank cap	3942*			
	2	25	11/16" FPS Nozzle cap for tip/barb	8027*			
	3	25	1/4" HB for 8027/38027 cap	K8414		3K8414	
	3	25	3/8" HB for 8027/38027 cap	K8438		3K8438	
	3	25	1/2" HB for 8027/38027 cap	K8412		3K8412	
	4	25	11/16" FPS jamb nut	B12*		3B12*	

* Fits all nozzle fittings with 11/16" male straight thread.

Other Nozzle Body Accessories

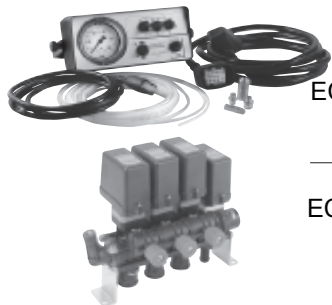
	Reference Number	Standard Pack	Description	Nylon Part Number	Nylon List Price	Poly Part Number	Poly List Price
	1	25	11/16" FPS X 1/4" FNPT Female Spray Tip Adapter	NF1614		3NF1614	
	2	25	11/16" MPS X 1/4" MNPT Nipples	NB1614		3NB1614	
	2	25	11/16" MPS X 1/2" MNPT Nipples	NB1612		3NB1612	
	3	25	11/16" FPS X 11/16" MPS Ball Check Valve for nozzle fittings (10 PSI)	NBC10		—	

Washers

	Std Pack	OD X ID	Description	Part Number	List Price
	100	1" X 3/4"	Black Vinyl (1)	W406V	
	100	1" X 5/8"	S.S. Filter 50/60 Mesh (2)	W160M	
	100	1" X 1/2"	Natural Polypropylene (3)	W405P	

Spray Controls

Electric Spray Controls



Kit Part Number	Series	Max. GPM*	Max. PSI	Description	List Price
ECS463001ST3EFC	463	12	290	Kit includes: console and 3-section valve assembly with control valve	
ECS463011ST3EFC	463	12	290	Kit includes: console and 3-section valve assembly with control valve and metered bypass	

* Max GPM per valve section.
 Valve assembly shown with control valve and metered bypass.
 ST = Fast Speed (6 sec), T = 3 Wire, EFC = Electric Flow Control

Electric Spray Control Switch Boxes with Cables



Part Number	Sections	Gauge	Description	List Price
4665-3-OP100-3	3	100 PSI	Kits include: console, 16.5' boom section output cable, 10' extension cable, power cable, gauge tubing and mounting hardware	
4665-3-OP300-3	3	300 PSI		

Electric Proportional Spray Control Valves



Part Number	Series	Max. GPM*	Max. PSI	Labyrinth Color	Open to Close	Outlet Size	List Price
463020	463	12	580	Yellow	14 seconds	¾" HB	
463024	463	12	580	Yellow	14 seconds	1" HB	
473020	473	31	290	Yellow	14 seconds	1½" HB	
473020S	473	31	290	Gray	7 seconds	1½" HB	

* Max GPM per valve section.

Electric 3-Wire Boom Section Valves



Part Number	Series	Max. GPM*	Max. PSI	Labyrinth Color	Open to Close	Outlet Size	List Price
463001ST	463	12	290	Blue	0.6 seconds	¾" HB	
463011ST**	463	12	290	Blue	0.6 seconds	¾" HB	
4630112ST	463	12	290	Blue	0.6 seconds	¾" HB	
473001T	473	31	290	Blue	0.6 seconds	1" HB	
473011T**	473	31	290	Blue	0.6 seconds	1" HB	

* Max GPM per valve section. **Includes metered bypass port. Valve shown with metered bypass port.

Cables



Part Number	Sections	Description	List Price
466530-230	3	16.5' boom section cables with required Din® gasket and screws	
466550-230	5		
4652900-140		2 wire - 4' cable with gasket and screw	
4652900T-140		3 wire - 4' cable with gasket and screw	
ECS0015		Din® connector with gasket and screw	

Prices Subject to Change Without Notice

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

Electric Valve Assemblies



Part Number	Series	Max. GPM*	Max. PSI	Boom Sections	Flow Control Valve	Metered Bypass	List Price
EV-463001ST-1	463	12	290	1	No	No	
EV-463001ST-3	463	12	290	3	No	No	
EV-463001ST3EFC	463	12	290	3	Yes	No	
EV-463011ST-3	463	12	290	3	No	Yes	
EV-463011ST3EFC	463	12	290	3	Yes	Yes	
EV-473001T-3	473	31	290	3	No	No	
EV-473011T-1	473	31	290	1	No	Yes	

* Max GPM per valve section.

Valve assembly shown with control valve and metered bypass.

ST = Fast Speed (6 sec), T = 3 Wire, EFC = Electric Flow Control

Type	Port Size (463 Series)	Port Size (473 Series)
Gauge Ports (left)	¼" FNPT	¼" FNPT
Inlet (right)	1" FNPT	1½" MNPT
Boom Section Outlet	¾" FNPT	1" FNPT
Control Valve	¾" HB	1¼" HB
Metered Bypass	1" MBSP	1¼" MBSP

Manual Proportional Spray Control Valves



Part Number	Series	Max. GPM*	Max. PSI	Outlet Size	List Price
473070	473	31	580	1¼" HB	

* Max GPM per valve section.

Manual Pressure Regulating Valves



Part Number	Series	Max. GPM*	Max. PSI	Outlet Size	List Price
463080N	463	12	290	¾" HB	

* Max GPM per valve section.

Manual Boom Section Valves



Part Number	Series	Max. GPM*	Max. PSI	Metered Bypass	Outlet Size	List Price
463051	463	12	290	No	¾" HB	
463061	463	12	290	Yes	¾" HB	

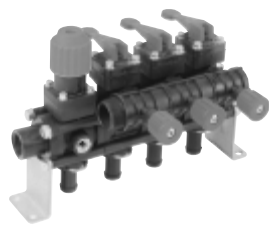
* Max GPM per valve section.

Metered Bypass Manifolds



Part Number	Series	Outlet Size	Boom Sections	List Price
463010-820	463	1" MBSP	2	
463010-830	463	1" MBSP	3	
463010-850	463	1" MBSP	5	
473010-804	473	1¼" MBSP	1	
473010-840	473	1¼" MBSP	4	

Manual Valve Assemblies



Part Number	Series	Max. GPM*	Max. PSI	Sections	Pressure Regulating Valve	Metered Bypass	List Price
MV-463051-1	463	12	290	1	No	No	
MV-463051-3	463	12	290	3	No	No	
MV-463051-3-MPR	463	12	290	3	Yes	No	
MV-463061-1	463	12	290	1	No	Yes	
MV-463061-3	463	12	290	3	No	Yes	
MV-463061-3-MPR	463	12	290	3	Yes	Yes	

* Max GPM per valve section.

Valve assembly shown with pressure regulating valve and metered bypass.

Type	Port Size (463 Series)
Inlet (right)	3/4" FNPT
Outlet (left)	3/4" FNPT
Boom Section Outlet	3/4" HB
Control Valve	3/4" HB
Metered Bypass	1" MBSP

Series 461 - Economic Manual Valve Assemblies



Part Number	Valves*	Max. GPM	Max. PSI	Inlet Size	Outlet Size	Regulator	List Price
461031-1	3	12	290	1" HB	1/2" HB	No	
461031-2	3	12	290	1" HB	3/4" HB	No	
461031-3	3	12	290	1/2" HB	1/2" HB	No	
461031-4	3	12	290	1" HB	1/2" HB	Yes	
9950-0030	3	12	290	**	**	Yes	

*Includes flynut inlet and hose barb outlets in sizes indicated.

**Supplied with 3/4" elbow HB, 3/4" straight HB and 1/2" straight HB inlets and 3/4" FNPT, 3/4" HB, 1/2" HB and 3/8" HB outlets.

Outlet Ports with O-ring for Electric or Manual Boom Section Valves



Part Number	Series	Max. GPM*	Max. PSI	Outlet Size	List Price
463001-110	463	12	290	3/8" HB	
463001-113	463	12	290	1/2" HB	
463001-413	463	12	290	1/2" HB-90° Elbow	
463001-116	463	12	290	3/8" HB	
463001-119	463	12	290	3/4" HB	
463001-125M	463	12	290	1" HB	
463001-275N	463	12	290	3/4" FNPT	
473001-119	473	31	290	3/4" HB	
473001-125	473	31	290	1" HB	
473001-132	473	31	290	1 1/4" HB	
473001-245N	473	31	290	1" FNPT	
473001-425	473	31	290	1" HB - 90° Elbow	

* Max GPM per valve section.

Replacement o-ring for 463 series - 465005-140V. Replacement o-ring for 473 series - 4062000-060V.

Replacement O-ring and Clip for Electric or Manual Boom Section Valves

	Part Number	Series	Description	List Price
	465005-140V	463	Replacement o-ring	
	462300-040	463	Replacement clip	
	4062000-060V	473	Replacement o-ring	
	461511-040	473	Replacement clip	

Valve Inlet Male Adapters

	Part Number	Series	Description	List Price
	463000-031	463	¾" MNPT	
	463000-041	463	1" MNPT	
	463000-051	463	1¼" MNPT	
	473000-051	473	1¼" MNPT	
	473000-061	473	1½" MNPT	
	473000-071	473	2" MBSP	

Valve Inlet Female Adapters

	Part Number	Series	Description	List Price
	463000-033	463	¾" FNPT	
	463000-043	463	1" FNPT	
	473000-053	473	1¼" FNPT	
	473000-063	473	1½" FNPT	

Other Valve Inlet Adapters

	Part Number	Series	Description	List Price
	463011-110	463	End Cap	
	473000-010	463/473	473 series to 463 series adapter	
	463011-135	463	Male to Female adapter	

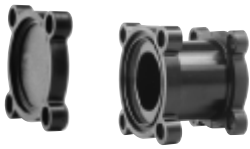
Valve Outlet Male Adapters

	Part Number	Series	Description	List Price
	463000-131	463	¾" MNPT	
	463000-141	463	1" MNPT	
	463000-151	463	1¼" MNPT	
	473000-151	473	1¼" MNPT	
	473000-161	473	1½" MNPT	
	473000-171	473	2" MBSP	

Valve Outlet Female Adapters

	Part Number	Series	Description	List Price
	463000-133	463	¾" FNPT	
	463000-143	463	1" FNPT	
	473000-153	473	1¼" FNPT	
	473000-163	473	1½" FNPT	

Other Valve Outlet Adapters



Part Number	Series	Description	List Price
463011-120	463	End Cap	
473011-120	473	End Cap	
473000-110	463/473	473 series to 463 series adapter	

Gauge Port Adapters



Part Number	Series	Description	List Price
463011N-130	463	¼" FNPT - gauge port	
473011N-130	473	¼" FNPT - gauge port	

2" Universal Flange Adapters



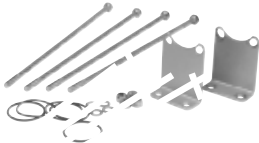
Part Number	Series	Adapter Type	Size	List Price
473000-065	473	Inlet	M200	
473000-075	473	Inlet	M220	
473000-165	473	Outlet	M200	
473000-175	473	Outlet	M220	

Bolt Kits and Mounting Brackets (Includes Viton® O-rings)



Part Number	Series	Boom Sections	Material	List Price
463000-910	463	1	Galvanized	
463000-920	463	2	Galvanized	
463000-930	463	3	Galvanized	
463000-940	463	4	Galvanized	
463900-910	463	1	Stainless Steel	
463900-920	463	2	Stainless Steel	
463900-930	463	3	Stainless Steel	
463900-940	463	4	Stainless Steel	
463900-950	463	5	Stainless Steel	
473900-910	473	1	Stainless Steel	
473900-930	473	3	Stainless Steel	

Bolt Kit Service Parts



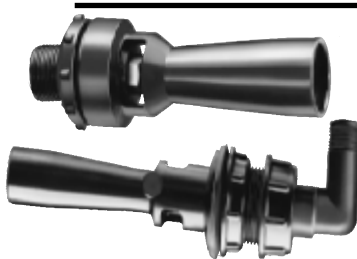
Part Number	Material	Description	List Price
B12151	Galvanized	Lock nut	
B201H1	Galvanized	Washer	
463011-100	Galvanized	Mounting bracket	
B12251	Stainless Steel	Lock nut	
B202H0	Stainless Steel	Washer	
463911-100	Stainless Steel	Mounting bracket	
G10071V	Viton	O-ring (463 series only)	
454236-080V	Viton	O-ring (473 series only)	

Replacement Parts for Metered Bypass Manifolds



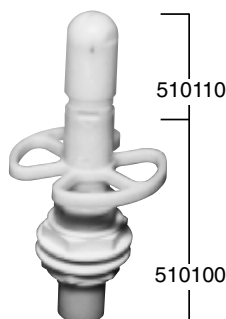
Part Number	Series	Description	List Price
463011-200	463	Replacement cap	
463011-070	463	Replacement clip	
461511-040	473	Replacement clip	

Hydraulic Agitator



Part Number	Orifice	Description	Size	List Price
502010	1.2 mm stainless	90° High Capacity Hydraulic Agitator	½" MPS	
502069	9 mm polypropylene	Straight Super High Capacity Agitator	½" MPS	

Container Rinsing Nozzle



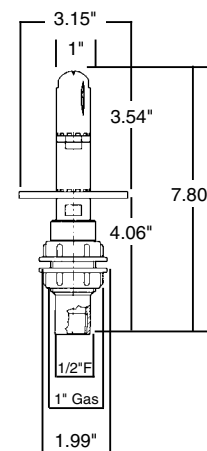
COMPLETE ROTATIONAL
SPRAY HEAD
Part No. 300001

Part Number	Description	List Price
510100	Spray Head Base	
510110	Rotational Spray Head	
300001	Complete Rotational Spray Head	

Use replacement screen 3800-0035.

- Clean containers before disposal
- Reduce chemical waste
- Fluid-driven rotational spray head
- Safety valve: It opens only by pushing through the container.
- Made of corrosion-resistant material
- Rotates 360° at a pressure of 45 psi and 2000 rpm

Flow and Pressure					
PSI	20	30	45	60	75
GPM	4.6	5.2	6.2	7.2	8.1



Tank Rinsing Nozzle

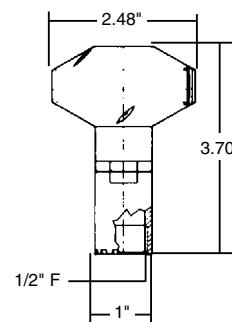


Part Number	Description	List Price
510120	Rotational Rinsing Nozzle	

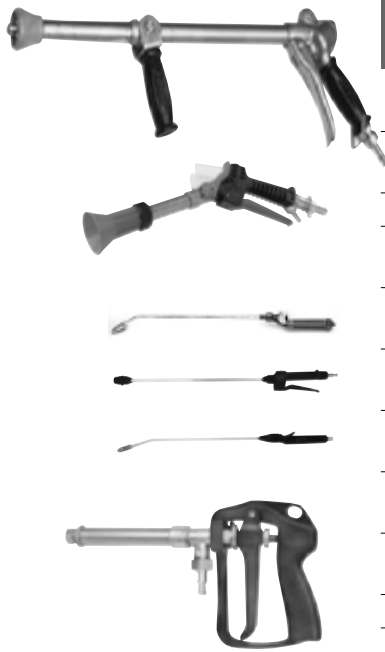
Use replacement screen 3800-0035.

- Fluid-driven rotational spray head
- 360° effective rinsing of inside tank surface
- Made of corrosion-resistant material
- Rotates a full 360° at a pressure of 45 psi and 200 rpm

Flow and Pressure					
PSI	20	30	45	60	75
GPM	10.6	12.2	14.9	17.5	20.1



Adjustable Pattern Spray Guns (Max. Temperature 170° F)



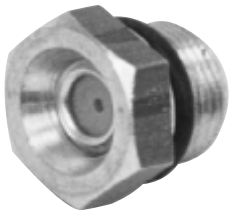
Part Number	Max. PSI	Max. GPM	Description	Estimated Weight Ea.	List Price
3381-0010	1200	25	Adjustable Pattern Spray Gun with 17" barrel and 3 mm nozzle, ½" MNPT inlet	5 lbs.	
3381-0011	1200	30	Adjustable Pattern Spray Gun with 21" barrel and 4 mm nozzle, ½" MNPT inlet	6 lbs.	
9920-KIT10/11	Repair kit for 3381-0010 or 3381-0011 gun			1 oz.	
3381-0013*	700	19	Adjustable Pattern Spray Gun with 7" barrel and 3 mm nozzle, ½" MNPT inlet	1 lb. 8 oz.	
3381-0016	120	1	Adjustable Pattern Spray Gun with 15" barrel and 3 mm nozzle, ¾" hose barb	1 lb.	
3381-0021	60	1	Adjustable Pattern Spray Gun with 21" barrel and 3 mm nozzle, ¾" and ½" hose barb	1 lb.	
3381-0036	120	2.5	Adjustable Pattern Spray Gun with 19" barrel and 3 mm nozzle, ¾" hose barb	1 lb.	
3381-0043†	600	4.5	Adjustable Pattern Spray Gun with 7¼" barrel and 2.3 mm nozzle, ¾" and ½" hose barb	2 lbs.	
3381-0043L†	600	4.5	Adjustable Pattern Spray Gun with 18" barrel and 2.3 mm nozzle, ¾" and ½" hose barb	2 lbs.	
3430-0435	Repair kit for 3381-0043 or 3381-0043L gun			2 oz.	
9920-261703-69	Replacement Barrel for 3381-0043 gun			3 oz.	
9920-35.1703.67	Replacement Barrel for 3381-0043L gun			9 oz.	
9920-248	Swivel kit for 3381-0010, 3381-0011 and 3381-0013 guns			4 oz.	

Note: Guns come equipped with ½" hose barb inlet - simply remove hose barb for ½" MNPT inlet.

* This gun is capable of 19 gpm with an optional 5 mm nozzle 3385-5000 (purchased separately).

† This gun is capable of 11 gpm with an optional 4 mm nozzle 9920-35.1802.56 (purchased separately).

Spray Gun Nozzles for 3381-0010, 3381-0011 and 3381-0013 Guns



Orifice Part Number	Diameter In MM	Equivalent Nozzle Number	Estimated Weight Ea.	List Price
3385-1500	1.5	10	4 oz.	
3385-2300	2.3	14	4 oz.	
3385-3000	3.0	23	4 oz.	
3385-3500	3.5	29	4 oz.	
3385-4000	4.0	40	4 oz.	
3385-4500	4.5	54	4 oz.	
3385-5000	5.0	67	4 oz.	
3385-5500	5.5	79	4 oz.	
3385-6000	6.0	91	4 oz.	
3385-7000	7.0	117	4 oz.	

Spray Gun Nozzles for 3381-0043 and 3381-0043L Guns

Part no.	Orifice	Performance	45 PSI		100 PSI		150 PSI		200 PSI		300 PSI		450 PSI		600 PSI	
			Cone	Straight	Cone	Straight	Cone	Straight	Cone	Straight	Cone	Straight	Cone	Straight	Cone	Straight
AMT-15010 replaces 9920-61.1802.45	1.0mm	GPM spray angle throw, ft	0.24 30° 3.2	0.24 - 8.2	0.35 30° 4.9	0.37 - 13.0	0.40 40° 6.5	0.45 - 18.0	0.53 40° 6.5	0.60 - 18.5	0.57 40° 6.5	0.60 - 19.5	0.70 40° 7.2	0.75 - 21.0	0.83 38° 8.2	0.90 - 23.0
AMT-15012 replaces 9920-61.1802.46	1.2mm	GPM spray angle throw, ft	0.35 32° 3.9	0.38 - 9.8	0.55 35° 5.5	0.55 - 14.5	0.60 42° 7.2	0.65 - 20.0	0.80 42° 7.2	0.93 - 21.0	0.88 42° 7.2	0.90 - 22.0	1.10 40° 8.2	1.20 - 23.5	1.30 40° 8.2	1.40 - 25.5
AMT-15015 replaces 9920-61.1802.47	1.5mm	GPM spray angle throw, ft	0.40 32° 3.9	0.50 - 11.5	0.62 35° 6.5	0.80 - 14.5	0.73 45° 8.2	0.93 - 23.0	0.95 45° 8.2	1.25 - 24.0	1.00 42° 8.2	1.30 - 24.5	1.30 42° 8.2	1.70 - 26.0	1.50 42° 10.0	1.95 - 28.0
AMT-15018 replaces 9920-61.1802.48	1.8mm	GPM spray angle throw, ft	0.50 40° 4.9	0.75 - 13.0	0.73 42° 6.5	1.20 - 16.5	0.85 50° 8.2	1.35 - 26.0	1.15 45° 8.2	1.75 - 27.0	1.20 50° 8.2	1.90 - 28.0	1.60 48° 9.8	2.30 - 31.0	1.75 48° 10.0	2.80 - 33.0
AMT-15020 replaces 9920-61.1802.55	2.0mm	GPM spray angle throw, ft	0.73 40° 4.9	1.10 - 14.5	1.05 42° 6.5	1.60 - 19.5	1.30 55° 8.2	1.90 - 29.5	1.50 55° 8.2	2.40 - 30.5	1.60 55° 8.2	2.50 - 31.0	1.90 53° 9.8	3.00 - 34.0	2.20 50° 10.0	3.50 - 36.0
AMT-15023 replaces 9920-61.1802.68	2.3mm	GPM spray angle throw, ft	0.90 40° 4.9	1.40 - 16.5	1.30 42° 6.5	1.90 - 24.5	1.50 55° 10.0	2.30 - 32.0	2.00 55° 10.0	3.20 - 35.0	2.10 55° 10.0	3.30 - 36.0	2.70 53° 9.8	4.10 - 38.0	3.10 51° 10.5	4.80 - 39.0
9920-35.1802.56	4.0mm	GPM throw, ft					1.9 10	3.4 36			4.6 10	8.0 38	5.5 10	9.5 40	6.3 12	11.0 40

Prices Subject to Change Without Notice

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

Top Gun



Part Number	Max. PSI	Max. GPM	Nozzle Size	Connection	Estimated Weight Ea.	List Price
002201-3430	850	35.0	3.0 mm	½" HB	3 lbs. 8 oz.	
002201-3440	850	35.0	4.0 mm	½" HB	3 lbs. 8 oz.	
002201-3450	850	35.0	5.0 mm	½" HB	3 lbs. 8 oz.	
002201-3460	850	35.0	6.0 mm	½" HB	3 lbs. 8 oz.	
002201-3470	850	35.0	7.0 mm	½" HB	3 lbs. 8 oz.	

Hose barb and nut kit (sold separately): ¾" - 006320; ½" - 006330.

Long range high pressure spray gun

- Brass body
- Stainless steel pipe
- Handle and nozzle protection in high-resistance polymer
- Ergonomic handgrip
- Quick-release trigger lock
- Swivel inlet port
- Adjustable spray pattern from hollow cone to solid stream

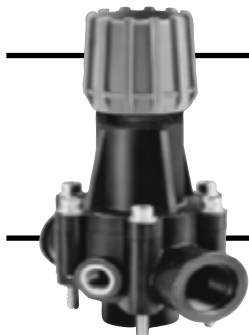
Nozzle Size	PERFORMANCE	PRESSURES (PSI)									
		200 PSI		350 PSI		500 PSI		600 PSI		720 PSI	
		CONE	STRAIGHT	CONE	STRAIGHT	CONE	STRAIGHT	CONE	STRAIGHT	CONE	STRAIGHT
2.3	Flow gpm	2.5	3.3	3.4	4.4	4.1	5.3	4.8	5.8	5.3	6.3
	Max. throw ft.	11	32	13	36	14	39	15	41	20	43
3	Flow gpm	3.8	5.2	5.6	6.8	6.6	8.5	7	9.2	7.3	10
	Max. throw ft.	12	36	13	37	15	41	16	44	21	46
4	Flow gpm	6	8.2	7.3	12.7	8.6	13.2	10.2	14.5	11.4	15.9
	Max. throw ft.	14	42	15	44	16	49	19	52	23	57
5	Flow gpm	7.5	12	9.8	16.3	11.6	18.5	12.5	19.6	13.3	21.1
	Max. throw ft.	16	54	18	57	21	59	24	60	28	64
6	Flow gpm	9	16	11.5	22.2	14	25.8	15.5	26.7	16.2	27.5
	Max. throw ft.	19	59	21	62	25	66	26	68	31	72
7	Flow gpm	10.5	17.5	13.8	25.7	16.8	30.6	18.2	33.2	20.3	34.3
	Max. throw ft.	21	60	23	67	26	72	27	77	31	82

Econo Gun



Part Number	Max. PSI	Max. GPM	Connection	List Price
506532V	150	40.0	½" HB	
506530V	150	40.0	¾" HB	
506531V	150	40.0	1" HB	

Manual Pressure Regulating Valve



Part Number	Max. PSI	Max. GPM	Ports	List Price
465532	290	40	¾" BSP	
465535	725	40	¾" BSP	
465542	290	53	1" MBSP	

Manual Throttling Valve



Part Number	Max. PSI	Max. GPM	Ports	List Price
465330	725	40	¾" BSP	
465342	290	53	1" BSP	

Arag Polypropylene Line Strainers

Part Number	Max. PSI	Threads	Screen Size/ Ref. Color	List Price	Cap	Bowl	Screen	EPDM Gasket
309952	150	1/2" MNPT	32 Mesh/White		309000-020	N/A	324002-030	G11033
309953			50 Mesh/Blue		309000-020	N/A	324003-030	G11033
3099535			80 Mesh/Gray		309000-020	N/A	3240035-030	G11033
309954			100 Mesh/Red		309000-020	N/A	324004-030	G11033
3240022N	150	1/2" FNPT	32 Mesh/White		3240020N-010	324000-020	324002-030	G41001
3240023N			50 Mesh/Blue		3240020N-010	324000-020	324003-030	G41001
3240024N			100 Mesh/Red		3240020N-010	324000-020	324004-030	G41001
3240T023N*			50 Mesh/Blue		3240020N-010	324T000-020	324003-030	G41001
3240T0235N*			80 Mesh/Gray		3240020N-010	324T000-020	3240035-030	G41001
3242024N	200	1/2 FNPT	100		3242020010	322000020	322004030	322000040
3244044N	200	1"	100		3244040010	3224000020	323004030	11017
3244143N	200	1	50		3244040010	N/A	323002030	11017
3282153N**	215	1 1/4" FNPT	50 Mesh/Blue		3282050-010	N/A	326003-030	G10090
3282154N**			100 Mesh/Red		3282050-010	N/A	326004-030	G10090
3282061N	215	1 1/2"	16		3282050010	3262000020	326001030	10090
3282063N	215		50		3282060010	3262000020	326003030	10090

* Comes with a clear nylon bowl.

**Self-cleaning model.

The Pump Saver – Suction Strainer with Check Valve



Part Number	Size	Mesh	Flow	List Price
313553	1 1/4" BSP	80/Gray	35 gpm	
314563	1 1/2" BSP	50/Blue	42 gpm	
316573	2" BSP	50/Blue	58 gpm	

- Built-in check valve eliminates the need for one ball valve
- Automatic shut-off valve prevents cavitation by ensuring inlet line check valve is only closed when strainer is being cleaned
- Female-threaded brass mounting inserts

Hose Barb with Fly Nut and O-ring



Part Number	Description	List Price
2002050	G 1 1/4" Fly Nut	
2002060	G 1 1/2" Fly Nut	
2002070	G 2" Fly Nut	
106530	1 1/4" X 25MM Straight Hose Barb	
116533-1	1 1/4" X 32MM 90° Assemblies include same size fly nut and o-ring	
116633	1 1/2" X 32MM 90° Hose Barb	
116633-1	1 1/2" X 32MM 90° Assemblies include same size fly nut and o-ring	
116640	1 1/2" X 40MM 90° Hose Barb	
116740	2" X 40MM 90° Hose Barb	
116750	2" X 50MM 90° Hose Barb	
116752	2" X 52MM 90° Hose Barb	
G10051V	1 1/4" Viton O-Ring	
G10061V	1 1/2" Viton O-Rng	
G10071V	2" Viton O-Ring	

Valves



Part Number	Type	Size	Mounting Inserts	Max. PSI	Ball Material	List Price
454132N	2-way	1/2" FNPT	None	240	Polypropylene reinforced with fiberglass	
454133N	2-way	3/4" FNPT	None	240		
454134N	2-way	1" FNPT	None	240		
454135N	2-way	1 1/4" FNPT	8 mm	150		
454136N	2-way	1 1/2" FNPT	8 mm	150		
454137N	2-way	2" FNPT	8 mm	150		
454233N	3-way	3/4" FNPT	None	240	Polypropylene reinforced with fiberglass	
454234N	3-way	1" FNPT	None	240		

1 1/2" 2-way and 3-way single union ball valve shown.

Series 90 – Chromed Brass Ball Valve



Part Number	Size	Handle Type	Max. PSI	Max. Temp.	List Price
90FFB18	1/8" FNPT X 1/8" FNPT	Butterfly	300	212° F	
90FFB14	1/4" FNPT X 1/4" FNPT	Butterfly	300	212° F	
90FMB14	1/4" FNPT X 1/4" MNPT	Butterfly	300	212° F	
90FFB38	3/8" FNPT X 3/8" FNPT	Butterfly	300	212° F	
90FMB38	3/8" FNPT X 3/8" MNPT	Butterfly	300	212° F	
90FFB12	1/2" FNPT X 1/2" FNPT	Butterfly	300	212° F	
90FMB12	1/2" FNPT X 1/2" MNPT	Butterfly	300	212° F	
90FFL18	1/8" FNPT X 1/8" FNPT	Lever	300	212° F	
90FFL14	1/4" FNPT X 1/4" FNPT	Lever	300	212° F	
90FML14	1/4" FNPT X 1/4" MNPT	Lever	300	212° F	
90FFL38	3/8" FNPT X 3/8" FNPT	Lever	300	212° F	
90FML38	3/8" FNPT X 3/8" MNPT	Lever	300	212° F	
90FFL12	1/2" FNPT X 1/2" FNPT	Lever	300	212° F	
90FML12	1/2" FNPT X 1/2" MNPT	Lever	300	212° F	
90-HBF	Replacement nylon butterfly handle				
RI167	Replacement nylon lever handle				

Hose-Saver Straight Assembly – Nylon



MPT X HB	Part Number	List Price	Cap Part Number	List Price
3/4" X 3/4"	626320N	\$ 7.11	626012	
3/4" X 1"	626325N	8.36	626014	
1" X 3/4"	626420N		626012	
1" X 1"	626425N	8.17	626014	
1 1/4" X 1"	626525N	9.74	626014	
1 1/4" X 1 1/4"	626532N	9.87	626014	
1 1/2" X 1 1/4"	626632N	10.31	626014	
1 1/2" X 1 1/2"	626638N	12.45	–	
1 1/2" X 2"	626651N	19.21	–	
2" X 2"	626751N	20.12		

Hose-Saver Elbow Assembly – Nylon



MPT X HB	Part Number	List Price	Cap Part Number	List Price
3/4" X 3/4"	627320N	\$ 7.93	626012	
3/4" X 1"	627325N	9.74	626014	
1" X 3/4"	627420N	7.93	626012	
1" X 1"	627425N	9.74	626014	
1" X 1 1/4"	627432N	11.07	626014	
1 1/4" X 1"	627525N	11.56	626014	
1 1/4" X 1 1/4"	627532N	12.01	626014	
1 1/2" X 1 1/4"	627632N	13.84	626014	
1 1/2" X 1 1/2"	627638N	18.85		
2" X 2"	627751N	26.40	–	

Rechargeable Electric Backpack Sprayer



The ProPack is a battery-powered backpack sprayer designed for professional spraying. The ProPack utilizes an electric pump that allows applicators to spray continuously without manual pumping and provides constant spray pressure for consistent spray applications. The pump and battery are managed by a microprocessor that maximizes spray time and offers four pump speeds for various spray needs. The adjustable nozzle offers the ability to spray from a fine mist to a high volume stream. The ProPack tank is designed for comfort with a breathable back pad and thick shoulder pads.

Features:

- 4 gallon (15 liter) tank
- 120 gallons (454 liters) of spray per charge
- 4 speed pump control
- Variable pattern nozzle
- Comfort designed back and shoulder pads

Specifications:

Pump and Control

- 12 volt DC
- 1.0 gpm max
- Polypropylene pump body
- Viton valves
- Santoprene diaphragm
- 40 psi demand switch
- Status lamp indicates power, blinks when charge is needed

Battery and Charger

- 12-volt sealed lead acid battery
- 7.0 Amp/hour
- Charger input:
 - 120 volt, 60 Hz
 - 230 volt, 50 Hz
- Charger output:
 - 12 volt DC, 1.0 amp

Tank

- 4.0 US gallons (15.1 litres) Polyethylene

Spray Hose

- Reinforced/Braided PVC

Spray Wand

- All Polypropylene with an adjustable cone nozzle

Order Information

Model	Description	List Price
SRS-600	ProPack rechargeable electric backpack sprayer	

ProPack Parts Kit List

Order Information

Part Number	Kits	List Price
94-534-00	Shoulder Harness Kit	
94-536-00	Complete Battery Pack Assembly	
94-537-00	Wall Charger and Cable	
94-538-00	Complete Pump Assembly with Inlet and Outlet Hoses and Hardware	
94-539-00	PCB with Wire Harness	
94-541-00	Tank Only	
94-542-00	Spray Wand with Hose Clamp and Inline Strainer	
94-543-00	Pump Cover and Mounting Screws	
94-544-00	Spray Hose and Hardware	

2088 Series Diaphragm Pump

Automatic-Demand Pumps 12 VDC



Order Information

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw	List Price
2088-343-435	Standard Pump: Viton® valves, Santoprene® diaphragm, 45 PSI demand switch	3	40	½" MSPT* Male	7.7	

½" - 14 National American Straight Pipe Thread

- Self-priming up to 12 vertical feet [3.7m]
- Chemical-resistant materials
- Can run dry without damage• Automatic demand
- Built-in check valve (varies by model) prevents back flow of fluid into the solution tank
- Continuous duty motor on fin-cooled version

SHURflo 2088 Series diaphragm pumps deliver reliable performance in high flow, moderate pressure applications. They are used in a variety of spot spraying, multi-tip spraying and fertilizer drip applications that require flows of up to 3.6 GPM [13.6 l/min]. They are available in a variety of chemical-resistant materials.

Model	PSI	BAR	GPM	L/min	Amps
2088-343-135	10	0.7	2.80	10.6	5.3
	20	1.4	2.69	10.2	5.5
	30	2.1	2.36	8.9	6.7
	40	2.8	2.05	7.8	7.7

2088 Series Diaphragm Pumps

No Control 12 VDC



Order Information

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw	List Price
2088-343-170	Front Adapter Pump with Electrical Package: Viton® valves, Santoprene® diaphragm, ¼" FPT adapter mounted on switch port, built-in on/off power switch, fuse holder pre-wired w/2-wire molded connector, no demand switch	3.3	50	½" MSPT* Male	9.1	

½" - 14 National American Straight Pipe Thread

- Self-priming up to 12 vertical feet [3.7m]
- Chemical-resistant materials
- Can run dry without damage
- Built-in check valve (may vary by models) prevents back flow of fluid through the pump

SHURflo 2088 Series diaphragm pumps deliver reliable performance in high flow, moderate pressure applications. They are used in a variety of spraying and transferring applications that require flows of up to 3.3 GPM [12.5 l/min]. They are available in a variety of chemical-resistant materials. They can be mounted in any position and are designed for easy maintenance.

Model	PSI	BAR	GPM	L/min	Amps
2088-343-170	10	0.7	3.00	11.3	5.0
	30	2.1	2.38	9.0	7.5
	40	2.8	2.14	8.1	8.3
	50	3.4	1.86	7.0	9.1

8000 Series Diaphragm Pump

Bypass Pumps 12 VDC



8000-543-250
Bypass Pump 12 VDC

Order Information

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw	List Price
8009-543-250*	Standard Bypass Pump: Viton® valves, Santoprene® diaphragm, 45 PSI internal bypass	1.8	50	¾" NPT-Female	5.5	

8000 Series internal bypass pumps are ideal for applications where an automatic demand switch is not desired. Pumps with bypass will continue to run without damage once the bypass pressure is reached. They incorporate a triple chamber design with Viton® elastomers to withstand the toughest applications. Perfect for spot sprayers, foam markers and transfer applications where smooth, consistent flow is needed. No Control model is designed to accommodate applications that have external pressure valves plumbed into the system.

- Self-priming up to 8 vertical feet [2.4m]
- Chemical-resistant materials
- Internal bypass
- Can run dry without damage

Model	PSI	BAR	GPM	L/min	Amps
8009-543-250	20	1.4	1.30	4.9	4.0
	30	2.1	1.11	4.2	4.7
	40	2.8	0.69	2.6	5.2
	50	4.1	0.18	0.7	5.5

5059 Series Diaphragm Pump

5 GPM Pump



Order Information

Part #	Max GPM	Max PSI	Port Size	Max Draw	List Price
5059-1311-D011	5.3	60	1/2" NPSM*	17.0	

- Delivers 5 GPM free flow - 4 GPM at 40 PSI with current draw of 13 amps
- Driven by a 12-volt, continuous-duty, sealed motor
- Self-priming capabilities, up to 8 feet

SHURflo's new field-proven 5 GPM pump delivers 3.8 GPM at 40 PSI with current draw of 13 amps. This pump is designed with a Santoprene® diaphragm for chemical resistance and maximum life, as well as Viton® valves for maximum chemical resistance. Also included is a built-in pressure switch, set at 60 PSI, which protects the pump in the event of dead-heading. The pump is available in the same footprint as other SHURflo pumps, allowing users to upgrade to a higher performance on existing installations.

Model	PSI	GPM	BAR	L/min	Amps
5059 Series	0	5.3	20	4.7	6.5
	10	4.7	17.7	4.3	9.0
	20	4.3	16.2	3.9	11.8
	30	4.1	15.5	3.5	12.4
	40	3.8	14.3	3.5	14.0
	50	3.6	13.6	3.5	15.4
	60	3.4	12.8	3.2	17.0

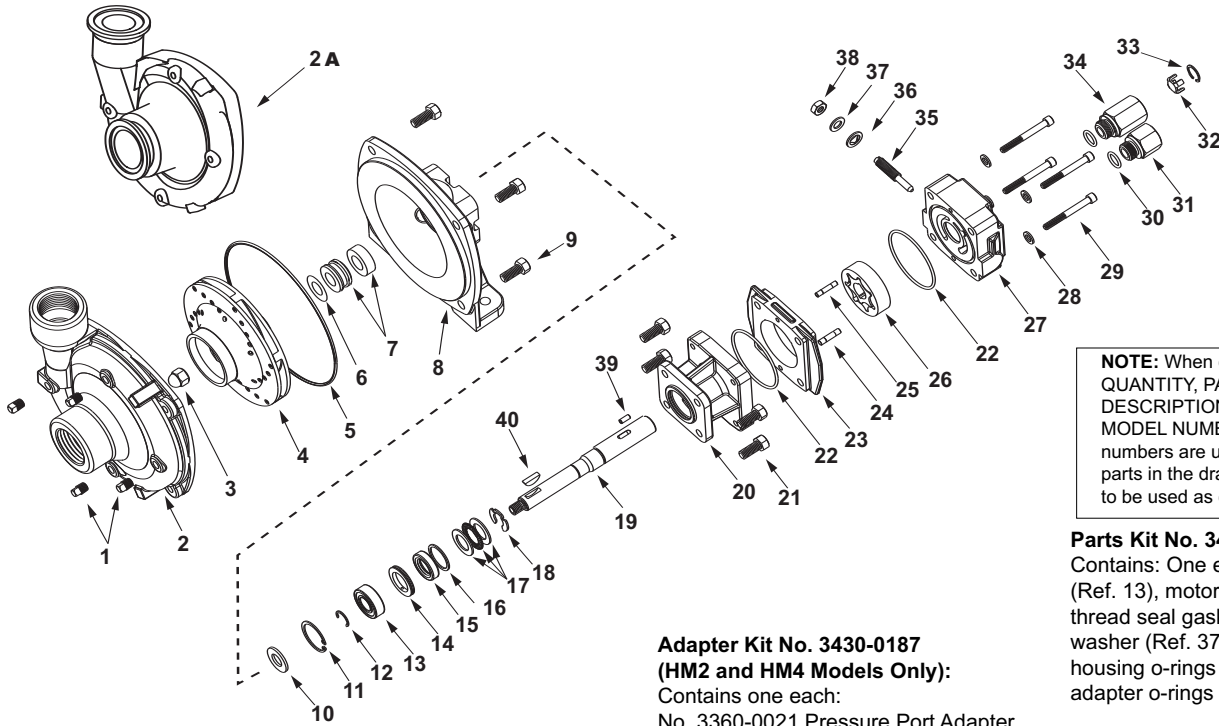
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All 9303C and 9303S Series Pumps



Repair Parts Kit No. 3430-0332

Contains: One o-ring (Ref. 5), one rubber gasket (Ref. 6), and one mechanical seal (Ref. 7).

Silicon Seal Kit No. 3430-0589

Contains one each: 1720-0083 o-ring (Ref. 5) and one mechanical seal (silicon carbide) (Ref. 7).

Adapter Kit No. 3430-0187 (HM2 and HM4 Models Only):

Contains one each:
No. 3360-0021 Pressure Port Adapter
No. 3373-0020 (Size #1)
No. 3373-0021 (Size #2)
No. 3373-0022 (Size #3).
No. 1720-0108 Adapter O-ring and
No. 1720-0105 Orifice O-ring (Qty 3).

NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Parts Kit No. 3430-0178

Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 36), and washer (Ref. 37); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30).

Hydraulic Motor Part Nos.

2500-0009C (HM1C Models)
2500-0010C (HM2C Models)
2500-0011C (HM3C Models)
2500-0012C (HM4C Models)
2500-0018C (HM5C Models)

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug (9303C)
1	4	2406-0016	Drain/Vent Plug (9303S)
2	1	0150-9000C	Pump Casing (Model 9303C)
2	1	0150-9000S	Pump Casing (Model 9303S)
2A	1	0153-9000C	Pump Casing (Universal Flange)
3	1	2253-0002	Impeller Nut (9303C)
3	1	2253-0006	Impeller Nut (Model 9303S)
4	1	0401-9100P	Impeller (Nyglass, std.)(9303C)
4	1	0402-9100P	Impeller (Optional Polypropylene) (Std 9303S)
5	1	1720-0083	O-ring
6	1	1700-0100	Rubber Gasket (9303C)
7	1	2120-0009	Mechanical Seal (Viton) (Std 9303C)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Std 9303S)
8	1	0750-9300C	Mounting Flange
8	1	0756-9300S	Mounting Flange (Model 9303S)
9	4	2210-0020	Hex Head Cap Screw (9303C)
9	4	2210-0125	Hex Head Cap Screw (Model 9303S)
10	1	1410-0056	Slinger Ring
11	1	1820-0013	Retaining Ring
12	1	1810-0014	Snap Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0073	Spacer
15	1	2104-0005	Shaft Seal
16	1	1410-0074	Seal Spacer
17	1	2029-0014	Thrust Bearing Assembly—Consists of: (1) Thrust Bearing & (2) Thrust Brg. Races
18	1	1810-0026	Snap Ring
19	1	0509-2500	Shaft (HM2C & HM4C Models) 6-3/4" Long
19	1	0511-2501	Shaft (HM1C & HM5C Models) 7" Long
19	1	0510-2500	Shaft (HM3C Models) 7 -1/2" Long
20	1	0151-2500C	Motor Body (Includes Main Bearing)
21	4	2210-0005	Hex Head Cap Screw
22	2	1720-0110	O-ring
23	1	0701-2500C1	Gerotor Housing (HM2C Models) 1/4" Wide

Ref. No.	Qty. Req'd.	Part No.	Description
23	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" Wide
23	1	0703-2500C1	Gerotor Housing (HM4C Models) 5/16" Wide
23	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" Wide
23	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" Wide
24	1	1600-0045	Dowel Pin (HM2C & HM4C Models)
24	1	1600-0044	Dowel Pin (HM1C & HM5C Models)
24	1	1600-0052	Dowel Pin (HM3C Models)
25	1	1600-0042	Dowel Pin (HM2C & HM4C Models)
25	1	1600-0037	Dowel Pin (HM1C & HM5C Models)
25	1	1600-0068	Dowel Pin (HM3C Models)
26	1	3900-0022	Gerotor (HM1C Models)
26	1	3900-0023	Gerotor (HM2C Models)
26	1	3900-0024	Gerotor (HM3C Models)
26	1	3900-0025	Gerotor (HM4C Models)
26	1	3900-0048	Gerotor (HM5C Models)
27	1	0251-2500C2	Motor End Plate (Includes Main Bearing)
28	4	2270-0039	Washer
29	4	2220-0045	Cap Screw (HM2C & HM4C Models)
29	4	2220-0021	Cap Screw (HM1C)
29	4	2220-0044	Cap Screw (HM3C Models)
29	4	2220-0032	Cap Screw (HM5C)
30	2	1720-0108	O-ring
31	1	3360-0021	Pressure Port Adapter
32	1	3260-0068	Poppet
33	1	1820-0038	Retaining Ring
34	1	3320-0049	Tank Port Adapter
35	1	3220-0029	Bypass Adjusting Screw
36	1	1700-0047	Gasket
37	1	2270-0027	Washer
38	1	2250-0038	Lock Nut
39	1	1610-0032	Roll Pin (HM2C & HM4C Models)
39	1	1610-0031	Roll Pin (HM1C & HM5C Models)
39	1	1610-0055	Roll Pin (HM3C)
40	1	1610-0012	Woodruff Key (9303C)
40	1	04432	S.S. Woodruff Key (Model 9303S)

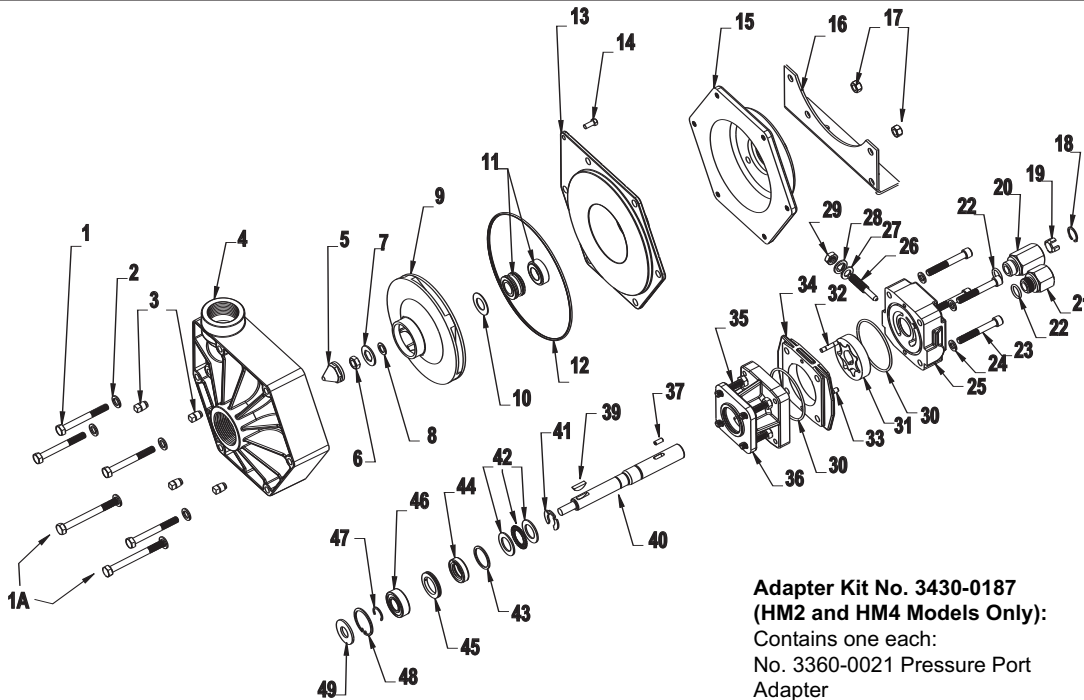
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All 9300 Polypropylene Series Pumps



NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Parts Kit No. 3430-0178

Contains: One each ball bearing (Ref. 46), motor shaft seal (Ref. 44), thread seal gasket (Ref. 27), and washer (Ref. 28); two each motor housing o-rings (Ref. 30), and port adapter o-rings (Ref. 22).

Hydraulic Motor Part Nos.

2500-0019C (HM1C Models)
2500-0022C (HM2C Models)
2500-0013C (HM3C Models)
2500-0014C (HM4C Models)
2500-0021C (HM5C Models)

Adapter Kit No. 3430-0187 (HM2 and HM4 Models Only):

Contains one each:
No. 3360-0021 Pressure Port Adapter
No. 3373-0020 (Size #1)
No. 3373-0021 (Size #2)
No. 3373-0022 (Size #3).
No. 1720-0108 Adapter O-ring and
No. 1720-0105 Orifice O-ring (Qty 3).

Repair Parts Kit No. 3430-0445

Contains: One o-ring (Ref. 12), one rubber gasket (Ref. 10), one mechanical seal (Ref. 11), one gasket (Ref. 7) and one washer (Ref. 8).

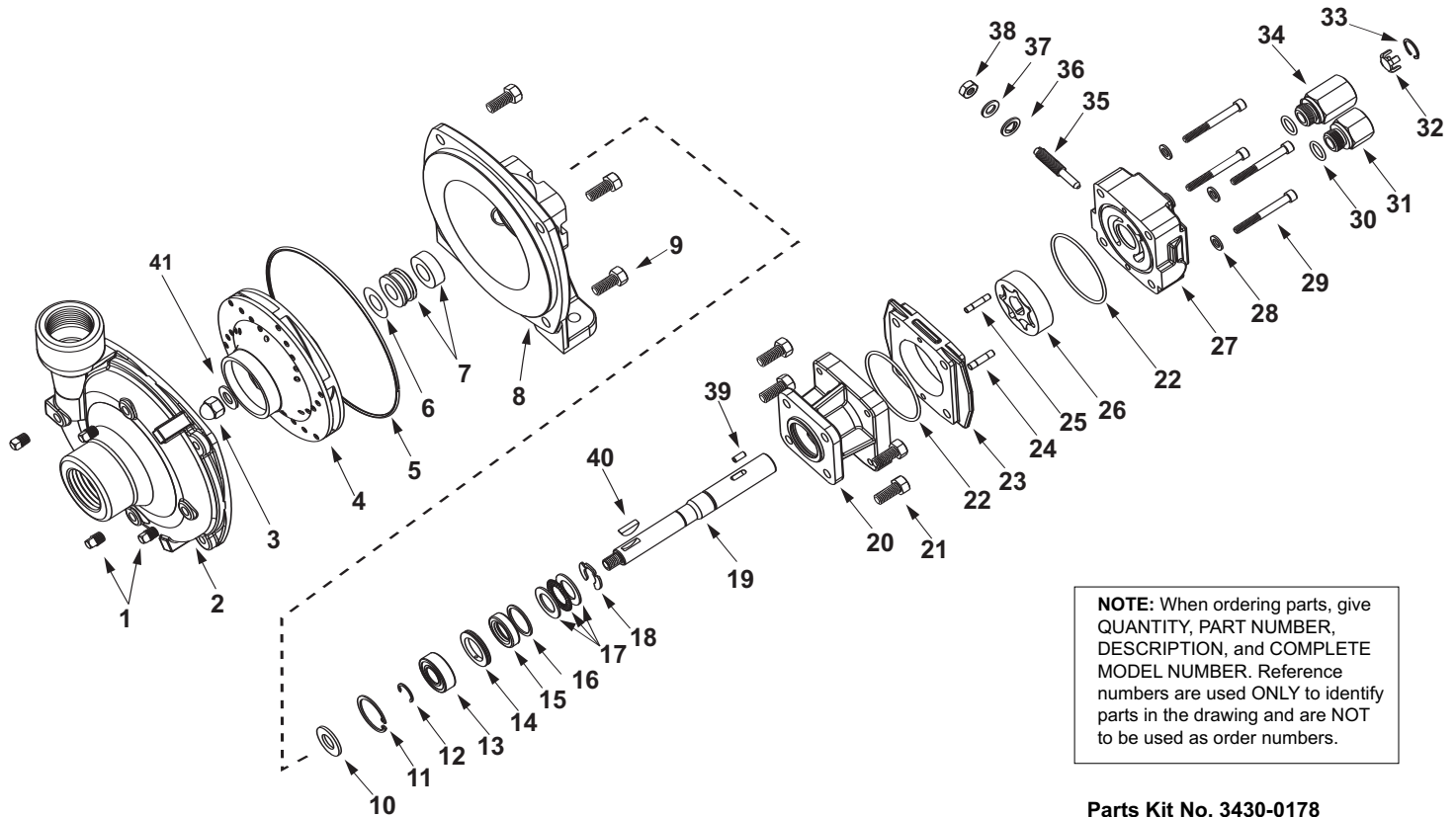
Silicon Seal Parts Kit # 3430-0593

Contains one each:
mechanical seal (Ref. 11) and o-ring (Ref. 12).

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2210-0087	Hex Head Cap Screw
1A	2	2210-0016	Hex Head Cap Screw (Base Only)
2	6	2270-0041	Washer
3	4	2406-0020	Pipe Plug
4	1	0700-9000P	Pump Casing
5	1	2250-0052	Impeller Nut
6	1	2250-0051	Jam Nut
7	1	1700-0097	Gasket (Viton)
8	1	2270-0057	Washer
9	1	0402-9100P	Impeller
10	1	1700-0100	Rubber Gasket
11	1	2120-0009	Mechanical Seal (Std)
11	1	3430-0593	Mechanical Seal (Silicon Carbide)(Optional)
12	1	1721-0083	O-Ring
13	1	0750-9300P	Cover
14	1	2210-0088	Screw
15	1	0750-9006C	Intermediate Flange
16	1	1510-0063	Base Plate
17	2	2250-0008	Hex Nut
18	1	1820-0038	Retaining Ring
19	1	3260-0068	Poppet
20	1	3320-0049	Check Valve Body
21	1	3360-0021	Pressure Port Adapter
22	2	1720-0108	O-ring
23	4	2220-0045	Socket Head Cap Screw (HM2, HM4C Model)
23	4	2220-0044	Socket Head Cap Screw (HM3C Model)
23	4	2220-0021	Socket Head Cap Screw (HM1C Model)
23	4	2220-0032	Socket Head Cap Screw (HM5C)
24	4	2270-0039	Washer
25	1	0251-2500C2	Motor End Plate: Includes (1) Main Bearing
26	1	3220-0029	Valve Stem
27	1	1700-0047	Gasket
28	1	2270-0027	Washer
29	1	2250-0038	Lock Nut
30	2	1720-0110	O-Ring
31	1	3900-0022	Gerotor (HM1C Models)

Ref. No.	Qty. Req'd.	Part No.	Description
31	1	3900-0023	Gerotor (HM2C Models)
31	1	3900-0024	Gerotor (HM3C Models)
31	1	3900-0025	Gerotor (HM4C Models)
31	1	3900-0048	Gerotor (HM5C Models)
32	1	1600-0042	Dowel Pin (HM2C & HM4C Models)
32	1	1600-0037	Dowel Pin (HM1C & HM5C Models)
32	1	1600-0068	Dowel Pin (HM3C Models)
33	1	1600-0045	Dowel Pin (HM2C & HM4C Models)
33	1	1600-0044	Dowel Pin (HM1C & HM5C Models)
33	1	1600-0052	Dowel Pin (HM3C Models)
34	1	0701-2500C1	Gerotor Housing (HM2C Models) 1/4" Wide
34	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" Wide
34	1	0703-2500C1	Gerotor Housing (HM4C Models) 5/16" Wide
34	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" Wide
34	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" Wide
35	4	2210-0021	Hex Head Cap Screw
36	1	0151-2500C	Motor Body: Includes (1) Main Bearing
37	1	1610-0032	Roll Pin (HM2C & HM4C Models)
37	1	1610-0031	Roll Pin (HM1C & HM5C Models)
37	1	1610-0055	Roll Pin (HM3C)
39	1	1610-0012	Woodruff Key
40	1	0507-2500	Shaft (HM2C & HM4C Models) 7-1/16" Long
40	1	0506-2501	Shaft (HM1C & HM5C Models) 7-21/64" Long
40	1	0514-2500	Shaft (HM3C Models) 7-13/16" Long
41	1	1810-0026	Snap Ring
42	1	2029-0014	Thrust Bearing Assembly - Consists of: (1) Thrust Bearing & (2) Thrust Bearing Races
43	1	1410-0074	Seal Spacer
44	1	2104-0005	Shaft Seal
45	1	1410-0073	Spacer
46	1	2000-0010	Ball Bearing
47	1	1810-0014	Snap Ring
48	1	1820-0013	Retaining Ring
49	1	1410-0056	Slinger Ring

All 9304C Series Pumps (Discontinued)



Repair Parts Kit No. 3430-0332

Contains: One o-ring (Ref. 5), one rubber gasket (Ref. 6), and one mechanical seal (Ref. 7).

Silicon Seal Kit No. 3430-0589

Contains one each: 1720-0083 o-ring (Ref. 5) and mechanical seal (silicon carbide) (Ref. 7).

Hydraulic Motor Part Nos.

2500-0009C (HM1C Models)
2500-0011C (HM3C Models)
2500-0018C (HM5C Models)

Parts Kit No. 3430-0178

Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 36), and washer (Ref. 37); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30).

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug
2	1	0151-9200C	Pump Casing
3	1	2253-0002	Impeller Nut
4	1	0401-9200P2	Impeller (Nyglass, std.)
4	1	0405-9200P2	Impeller (Optional Polypropylene)
5	1	1720-0083	O-ring
6	1	1700-0100	Rubber Gasket
7	1	2120-0009	Mechanical Seal (Viton) (Std)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Optional)
8	1	0750-9300C	Mounting Flange
9	4	2210-0020	Hex Head Cap Screw
10	1	1410-0056	Slinger Ring
11	1	1820-0013	Retaining Ring
12	1	1810-0014	Snap Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0073	Spacer
15	1	2104-0005	Shaft Seal
16	1	1410-0074	Seal Spacer
17	1	2029-0014	Thrust Bearing Assembly—Consists of: (1) Thrust Bearing & (2) Thrust Brg. Races
18	1	1810-0026	Snap Ring
19	1	0511-2501	Shaft (HM1C & HM5C Models) 7" Long
19	1	0510-2500	Shaft (HM3C Models) 7-1/2" Long
20	1	0151-2500C	Motor Body (Includes Main Bearing)
21	4	2210-0005	Hex Head Cap Screw
22	2	1720-0110	O-ring
23	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" Wide

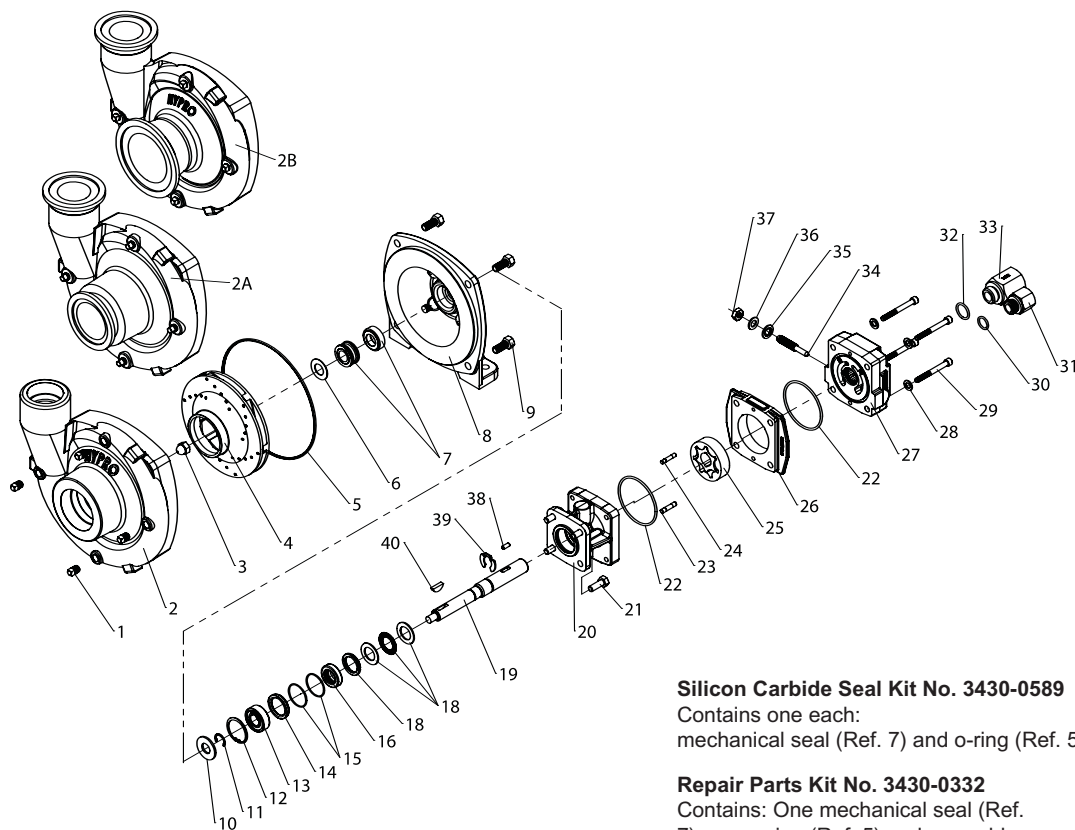
Ref. No.	Qty. Req'd.	Part No.	Description
23	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" Wide
23	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" Wide
24	1	1600-0044	Dowel Pin (HM1C & HM5C Models)
24	1	1600-0052	Dowel Pin (HM3C Models)
25	1	1600-0037	Dowel Pin (HM1C & HM5C Models)
25	1	1600-0068	Dowel Pin (HM3C Models)
26	1	3900-0022	Gerotor (HM1C Models)
26	1	3900-0024	Gerotor (HM3C Models)
26	1	3900-0048	Gerotor (HM5C Models)
27	1	0251-2500C2	Motor End Plate (Includes Main Bearing)
28	4	2270-0039	Washer
29	4	2220-0021	Cap Screw (HM1C Model)
29	4	2220-0032	Cap Screw (HM5C Model)
29	4	2220-0044	Cap Screw (HM3C Model)
30	2	1720-0108	O-ring
31	1	3360-0021	Pressure Port Adapter
32	1	3260-0068	Poppet
33	1	1820-0038	Retaining Ring
34	1	3320-0049	Tank Port Adapter
35	1	3220-0029	Bypass Adjusting Screw
36	1	1700-0047	Gasket
37	1	2270-0027	Washer
38	1	2250-0038	Lock Nut
39	1	1610-0031	Roll Pin (HM1C & HM5C Models)
39	1	1610-0055	Roll Pin (HM3C)
40	1	1610-0012	Woodruff Key
41	1	2270-0071	Washer

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NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Parts Kit No. 3430-0748

Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 16), thread seal gasket (Ref. 35), two cartridge o-rings (Ref. 15) and washer (Ref. 36); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30 & 32).

Silicon Carbide Seal Kit No. 3430-0589

Contains one each: mechanical seal (Ref. 7) and o-ring (Ref. 5).

Repair Parts Kit No. 3430-0332

Contains: One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Hydraulic Motor Part Nos.

2500-0081C (HM1C Models)
2500-0083C (HM3C Models)
2500-0085C (HM5C Models)

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug (9306C)
1	4	2406-0016	Drain/Vent Plug (9306S)
2	1	0154-9200C1	Pump Casing (9306C)
2	1	0154-9200S1	Pump Casing (9306S)
2A	1	0157-9200C	Pump Casing (Universal Flange 220x200)
2B	1	0158-9200C	Pump Casing (Universal Flange 300x220 Cast)
2B	1	0158-9200S	Pump Casing (Universal Flange 300x220 S.S.)
3	1	2253-0002	Impeller Nut (9306C)
3	1	2253-0006	Impeller Nut (9306S)
4	1	0401-9200P2	Impeller (Nylon Std. 9306C)
4	1	0405-9100P2	Impeller (Polypropylene Optional) (Std. 9306S)
4	1	0407-9306P	Impeller (GTX Optional)
5	1	1720-0083	O-ring
6	1	1700-0100	Gasket
7	1	2120-0009	Mechanical Seal (Viton/Ceramic) (Std. 9306C)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Std. 9306S)
8	1	0750-9300C2	Mounting Flange (9306C)
8	1	0756-9300S	Mounting Flange (9306S)
9	4	2210-0020	Hex Head Cap Screw (9306C)
9	4	2210-0125	Hex Head Cap Screw (9306S)
10	1	1410-0056	Slinger Ring
11	1	1810-0014	Snap Ring
12	1	1820-0013	Retaining Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0131	Cartridge, Front
15	2	1720-0268	O-ring
16	1	2104-0010	Lip Seal
17	1	1410-0130	Seal Spacer
18	1	2029-0014	Thrust Bearing Assembly
19	1	0531-2500	Shaft (HM2C/HM4C)
19	1	0533-2500	Shaft (HM1C/HM5C)
19	1	0536-2500	Shaft (HM3C)
20	1	0150-2500C	Motor Body (includes needle bearing)
21	4	2210-0005	Hex Head Cap Screw
22	2	1720-0110	O-ring

Ref. No.	Qty. Req'd.	Part No.	Description
23	1	1600-0045	Dowel Pin (HM2C / HM4C)
23	1	1600-0044	Dowel Pin (HM1C/HM5C)
23	1	1600-0052	Dowel Pin (HM3C)
24	1	1600-0042	Dowel Pin (HM2C / HM4C)
24	1	1600-0037	Dowel Pin (HM1C/HM5C)
24	1	1600-0068	Dowel Pin (HM3C)
25	1	3900-0022	Gerotor (HM1C)
25	1	3900-0023	Gerotor (HM2C)
25	1	3900-0024	Gerotor (HM3C)
25	1	3900-0025	Gerotor (HM4C)
25	1	3900-0048	Gerotor (HM5C)
26	1	0701-2500C1	Gerotor Housing (HM2C Models) 1/4" wide
26	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" wide
26	1	0703-2500C1	Gerotor Housing (HM4C Models) 5/16" wide
26	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" wide
26	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" wide
27	1	0254-2500C2	Motor End Plate (includes needle bearing)
28	4	2270-0039	Washer
29	4	2220-0045	Cap Screw (HM2C / HM4C Models)
29	4	2220-0021	Cap Screw (HM1C Models)
29	4	2220-0044	Cap Screw (HM3C Models)
29	4	2220-0032	Cap Screw (HM5C Models)
30	1	1720-0108	O-ring
31	1	3360-0021A	Pressure Port Adapter (includes o-ring)
32	1	1720-0262	O-ring
33	1	3320-0051A	Tank Port Adapter (includes o-ring)
34	1	3220-0029	Bypass Adjusting Screw
35	1	1700-0047	Gasket
36	1	2270-0027	Washer
37	1	2250-0038	Lock Nut
38	1	1610-0032	Roll Pin (HM2C / HM4C)
38	1	1610-0031	Roll Pin (HM1C / HM5C)
38	1	1610-0055	Roll Pin (HM3C)
39	1	1810-0026	Snap Ring
40	1	1610-0012	Woodruff Key (9306C)
40	1	04432	Woodruff Key (9306S)

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Hypro Transfer Pump



Hypro's new line of high-powered, self-priming transfer pumps is powered by a 6.5 HP PowerPro™ engine. With flow rates of up to 200 gpm and pressures up to 58 psi, these transfer pumps deliver solutions for your fluid and chemical transfer needs.

The polypropylene pump body makes this product line ideal for use in transferring a variety of fluids including corrosive chemicals like Roundup® and Atrazine. Tank filling, floodwater removal, and lawn & garden watering applications are just a few more of its many uses.

Other Attributes 2" Pump

- Close-coupled, gas engine-driven
- Max flow: 200 gpm/567.8 lpm
- Max pressure: 58 psi/4.0 bar
- Suction lift: 25 ft./7.62 m
- Polypropylene housing is suitable for corrosive environments
- Nylon impellers constructed for improved strength can handle solid particles in suspension up to 3/8" diameter
- EPDM mechanical seal and inlet valve for longevity and reliability in most applications
- 6.5 HP PowerPro™ engine with overhead valve for cleaner
- Gas engine models include low-oil sensor to prevent engine seizing when oil level is too low



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e-mail: parts@greenlea.net



3" Poly Transfer Pump

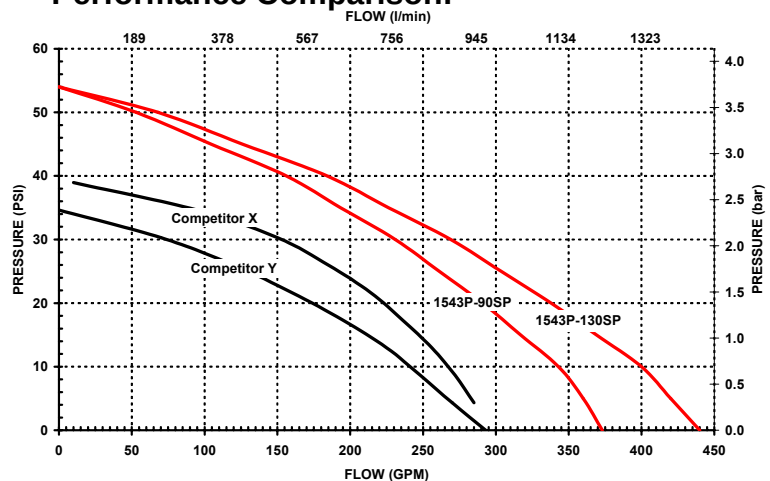
Achieve the Highest Flow, Horsepower, and Efficiency
Available in a 3" Poly Transfer Pump



Order Information:

Model Number	Max GPM	Max PSI	Port Size	Engine Mfg. & HP	List Price
1543P-90SP	373	54	3" x 3"	PowerPro 9 HP	Call
1543P-90ESP	373	54	3" x 3"	PowerPro 9 HP w/ Electric Start	Call
1543P-130SP	440	54	3" x 3"	PowerPro 13 HP	Call
1543P-130ESP	440	54	3" x 3"	PowerPro 13 HP w/ Electric Start	Call

Performance Comparison:



Call For Pricing on These Items

parts@greenlea.net

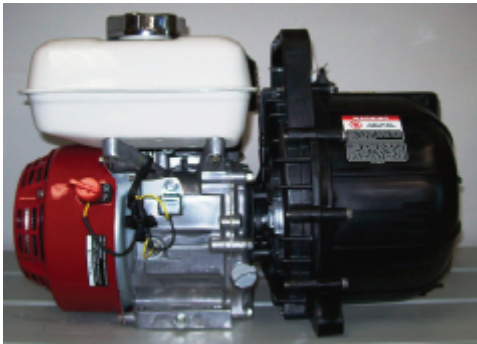
Toll Free 1-800-661-5019

Fax (519) 485-4694



'S' SERIES SELF-PRIMING CENTRIFUGAL PUMP

A high performance transfer pump powered by
Honda's GX Series OHV engine



2" Pump
PN 802398



3" Pump
PN 802399



Pump:

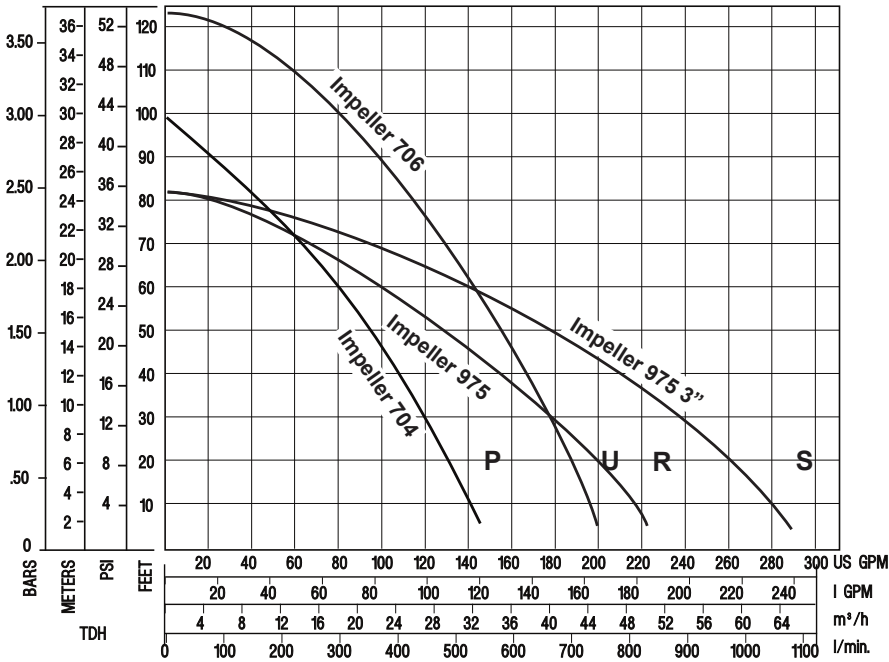
- Constructed of corrosion-resistant polyester
- Stainless steel fasteners throughout
- EPDM elastomer (BUNA and Viton® available)
- Stainless steel shaft seal with carbon and ceramic faces
- Your choice of 2" or 3" ports
- Shut off pressure 52 PSI
- Suction lift to 25 ft. (7.6m)
- Flows to 280 GPM

Engine:

- 5.5 HP Honda Series GX160
- Overhead valve design
- Fast, easy, reliable starting
- Meets CARB and EPA emission standards
- Cast iron cylinder sleeve
- Electronic ignition
- Oil alert low oil shut off

Viton is a registered trademark of DuPont Dow elastomers.

PERFORMANCE CURVES



CURVE	MODEL	PORT SIZE	MAX FLOW	MAX TDH	WEIGHT
U	802398	2" NPT	195 GPM	126 ft.	50 lbs.
S	802399	3" NPT	280 GPM	83 ft.	55 lbs.

PACER® PUMPS



2" Transfer Pump

Features:

- 4.0 hp Honda GX120 engine
- Oil Alert™ feature shuts down engine if oil drops below a safe operating level
- Capable of handling solids up to 7mm (1/4") dia.
- Cast aluminum pump housing
- Cast iron impeller and volute
- Mechanical (carbon-ceramic) seal
- Suitable for agriculture, irrigation and water transfer over a long distance.



Engine: 4.0 hp Honda GX120
Inlet Port / Outlet Port: 50 mm (2")
Maximum Capacity: 600 Litres/min 158 USgal/min
Suction Lift: 8.5 metres (28 ft)
Dimensions: 18.8"L x 14.75"W x 14.6"H
478 x 375 x 370mm
Weight: 23.5 kgs (52 lbs)



Part Number: 802400



3" Transfer Pump

Features:

- 5.5 hp Honda GX160 engine
- Oil Alert™ feature shuts down engine if oil drops below a safe operating level
- Capable of handling solids up to 7mm (1/4") dia.
- Cast aluminum pump housing
- Cast iron impeller and volute
- Mechanical (carbon-ceramic) seal
- Suitable for agriculture, irrigation and water transfer over a long distance.



Engine: 5.5 hp Honda GX160
Inlet Port / Outlet Port: 80 mm (3")
Maximum Capacity: 1100 Litres/min 290 USgal/min
Suction Lift: 8.5 metres (28 ft)
Maximum Head: 32 metres (105 ft)
Dimensions: 21.6"L x 15.4"W x 17.5"H
550 x 390 x 445mm
Weight: 27.5 kgs (60 lbs)



Part Number: 802401

Accessories Included:	1 Strainer	3 hose bands
	2 hose couplings	2 seals

Specifications subject to change without notice

CDS-John Blue Piston Pumps



LM-1250 Series

Single Piston - Double Acting	Rated Speed - 550 RPM
Stroke - Variable	Inlet - 1" FPT
Rated Flow - 12.5 GPM	Outlet - 1" FPT
Rated Pressure - 120 PSI	Clutch - No Clutch

MODELS AVAILABLE:

LM-1250
Rope Control Clutch
LM-1255
Without Clutch



NGP-6050 Series *

Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 21.0 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

*Equivalent LM-2450 series

MODELS AVAILABLE:

NGP-6050
Rope Control Clutch
NGP-6055
Without Clutch
NGP-6058
Electric Control Clutch
NGP-6059
Hydraulic Control Clutch



NGP-7050 Series *

Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 34.2 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

*Equivalent LM-4450 series

MODELS AVAILABLE:

NGP-7050
Rope Control Clutch
NGP-7055
Without Clutch
NGP-7058
Electric Control Clutch
NGP-7059
Hydraulic Control Clutch



NGP-8050 Series

Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 42 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

MODELS AVAILABLE:

NGP-8050
Rope Control Clutch
NGP-8055
Without Clutch
NGP-8058
Electric Control Clutch
NGP-8059
Hydraulic Control Clutch



NGP-9050 Series *

Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 68.4 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

*Equivalent LM-4950 series

MODELS AVAILABLE:

NGP-9050
Rope Control Clutch
NGP-9055
Without Clutch
NGP-9058
Electric Control Clutch
NGP-9059
Hydraulic Control Clutch



Rated Flow based on 12 lbs. per gallon fertilizer
316 SS available with wet end casting

Additional Model Options [-suffix]:

- DR** denotes independent dual inlet & outlet
- K denotes pump less sprocket
- R denotes RC40 chain 18 tooth sprocket
- S denotes 316SS wet-end castings
- U denotes Viton wet-end o-rings and rod packing

** -DR only available on double piston NGP-8050 & NGP-9050

Additional Kit Modules:

- 115670 Manual Clutch Add On - NGP Universal
- 115671 Hydraulic Clutch Add On - NGP Universal
- 115672 Electric Clutch Add On - NGP Universal
- 115673 Stainless Wet-End Conversion — NGP-6050 Series
- 115674 Stainless Wet-End Conversion — NGP-7050 Series
- 115675 Stainless Wet-End Conversion — NGP-8050 Series***
- 115676 Stainless Wet-End Conversion — NGP-9050 Series***

*** -DR pumps may use 2 single piston stainless conversion kits

Note: For Viton seals add -u after the pump part number.

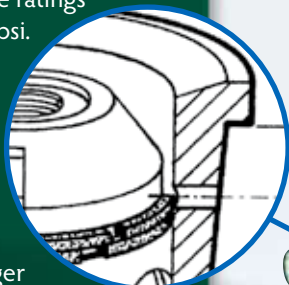
Standard Piston Pumps are manufactured with Viton Piston Packings and Buna o-rings and rod packings.





Advantages of the CDS-John Blue Low Pressure Diaphragm Pumps

- Low Pressure Diaphragm Pumps operate to 4.3 gpm with pressure ratings to 290 psi.



- Cast iron piston sleeves for longer wear.
- Convenient visual oil-level indicator.
- Oil drain in crankcase.



- Stainless steel check valve design ensures perfect sealing performance due to its unique spherical shaped poppet and conical seat.
- Three bearings on the crankshaft.
- Pumps can be run dry.

Low Pressure CDS-John Blue Diaphragm Pumps

The CDS-John Blue 2 piston semi-hydraulic Diaphragm Pump is ideal for gardening, small sprayers, washers and liquid transfer. It's compact and lightweight and can be driven by PTO, electric motor or gasoline engine, depending on your specific application needs. All wetted parts are plastic coated

to withstand today's agricultural chemicals. The diaphragms are constructed from chemical resistant elastomers for excellent corrosion resistance.



- External Poly Manifolds
- 1/4 turn check valve removal for inspection.

DP-43

- Maximum Flow: 4.3 gpm @ 550 rpm and 290 psi.
- Maximum Pressure: 290 psi
- Maximum Speed: 650 rpm
- Maximum Power: 1.0 hp @ 550 RPM and 290 psi.
- Weight: 12.32 lbs.
- Diaphragms: 2
- Suction Hose Diameter: 3/4" Hose
- Discharge Hose Diameter: 1/2" NPT
- Max Temperature: 140°F
- Lubricating Oil Type: 30 SAE
- Can be PTO, gasoline engine or electric motor driven

Recommended Accessories:

- Pressure Regulator: SC-1066-2.
- Gearbox for 3.5 and 5 HP engines: DP-318697.
- Pump equipped with crankshaft flange, must order shaft separately: DP-318793 (3/4") solid shaft or DP-318590 (1") solid shaft.

Optional Accessories:

- | | |
|-------------|-------------------------------|
| DP-310088 | Female 1 3/8" shaft kit |
| DP-310049 | Male 1 3/8" shaft kit |
| DP-31874897 | Hydraulic adaptor kit SAE "B" |

CDS-John Blue Company

Call For Pricing on These Items

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

Flow Dividers

302 SS balanced spring offers superior performance and corrosion resistance.

Exclusive Viton® lip seal is more stable and has a longer life than conventional diaphragms which may rupture during service.

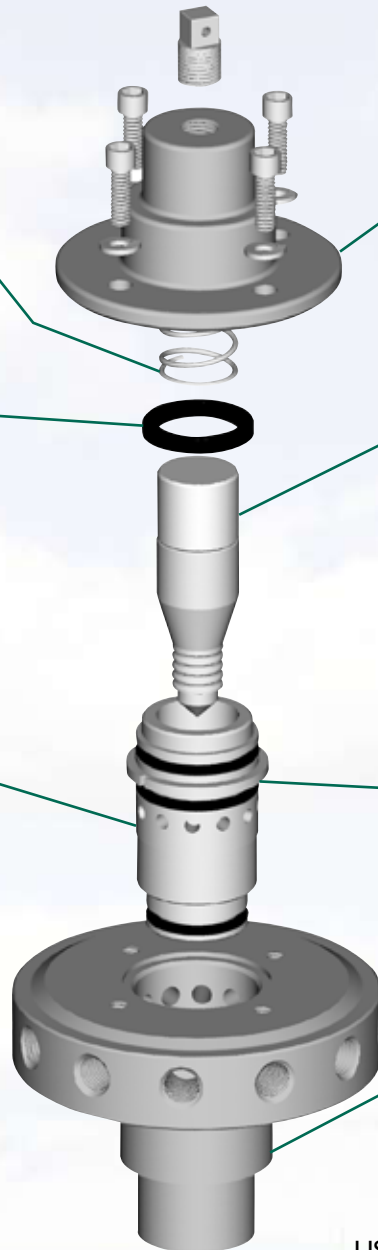
316 SS sleeve can be easily removed for cleaning in the field. Plus the alignment indicator ensures that the sleeve can be removed, cleaned and replaced exactly in the same position every time.

Field repairable without removing distribution lines.

The upper needle of the piston is 316 SS, which means longer seal life. The special glass-filled Teflon lower needle offers smooth operation with minimum friction.

Viton® o-rings are used for positive sealing for even hard to handle products.

316 SS body is corrosion resistant, durable and built to last a lifetime.



US Pat No 6311716

Flow Divider and Flow Divider Mounts

Part Number	Description	Outlets	Inlet	Outlet	Maximum Flow/Outlet
FD-1200	"Exacto-Flow" Stainless Steel Flow Divider	12	3/4" FPT	1/4" FPT	2.25 GPM
FD-2000	"Exacto-Flow" Stainless Steel Flow Divider	20	1" FPT	1/4" FPT	2.25 GPM
113989	Manifold Mount				
115284-01	Check Valve - PVC, Viton Seal, 316 SS Ball, 1/4" Hose x 1/4" Hose, 1 psi				
115285-01	Check Valve - PVC, Viton Seal, 316 SS Ball, 3/8" Hose x 3/8" Hose, 1 psi				
115286-01	Check Valve - PVC, Viton Seal, 316 SS Ball, 1/2" Hose x 1/2" Hose, 1 psi				

Everyone has their idea of perfection. This is ours.

Liquid fertilizer users demand accurate rates. The patented CDS-John Blue "Exacto-Flow" Flow Divider when used in conjunction with our liquid metering pump is guaranteed to deliver. After extensive research, we know that the FD-1200 and FD-2000 accurately divide liquid products across a wide range of application rates. We have proven in the field that it is the most accurate distribution of any automatic flow divider system on the market today. The FD-1200 and FD-2000 provide unsurpassed accuracy with application rates as low as 5 GPA and as high as 80 GPA on 30 inch row spacing at 5 MPH.

Manifolds



113983



114015



113934



114382

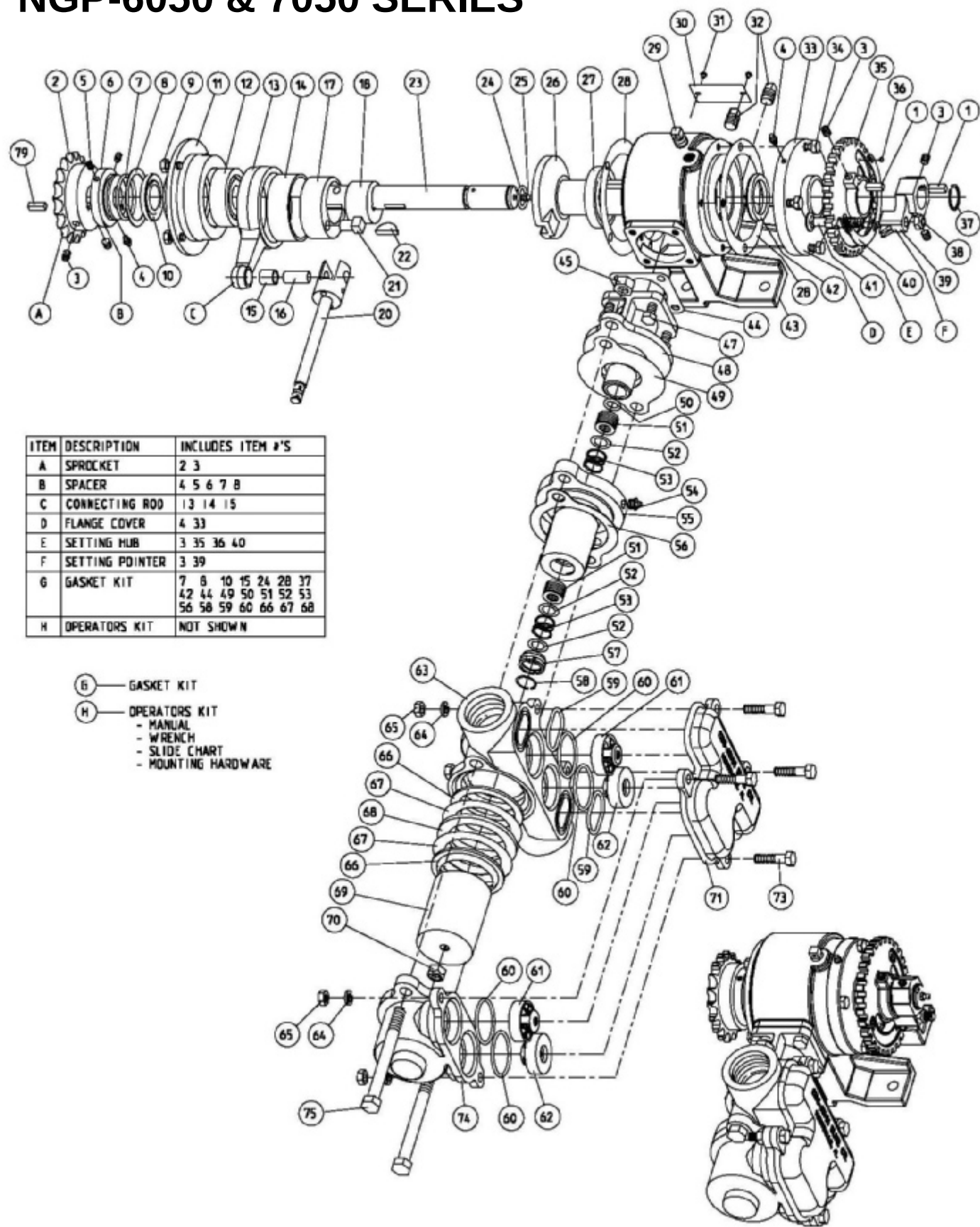
Features of the Stainless Manifolds:

- The CDS-John Blue manifold can be used with clear liquids for even distribution when used with proper size orifices for high pressure distribution systems such as orifices, coulter injection or nozzles.
- By interchanging the orifice size you can adjust the application range.
- The CDS-John Blue manifolds are constructed of domestic investment cast stainless steel, which will last for many years.
- Heavy duty, cast iron manifolds are also available.

Manifolds and Mounts

Part Number	Description	Number of Outlets	Rating PSI	Construction	Inlet	Outlet
113983	NH3 Manifold w/ Flow Diffuser	12	150	304 SS	1" FPT	1/4" FPT
113934	Liquid Manifold	12	250	304 SS	1" FPT	1/4" FPT
114015	Liquid Manifold	4	250	304 SS	1 1/2" FPT	3/4" FPT
114382	Liquid Manifold	16	250	304 SS	1" FPT	1/4" FPT
102175	NH3 Manifold	24	N/A	Cast Iron	1" FPT	1/4" FPT
A-526-L	Liquid Manifold	8	N/A	Cast Iron	3/4" FPT	1/4" FPT
A-1402-L	Liquid Manifold	12	N/A	Cast Iron	3/4" FPT	1/4" FPT
L-1730	Liquid Manifold	3	N/A	Polyethylene	3/4" FPT	3/8" FPT
113989	Manifold Mount for 113934, 113983 and 114382	N/A	N/A	N/A	N/A	N/A
114106	Manifold Mount for 114015	N/A	N/A	N/A	N/A	N/A

NGP-6050 & 7050 SERIES

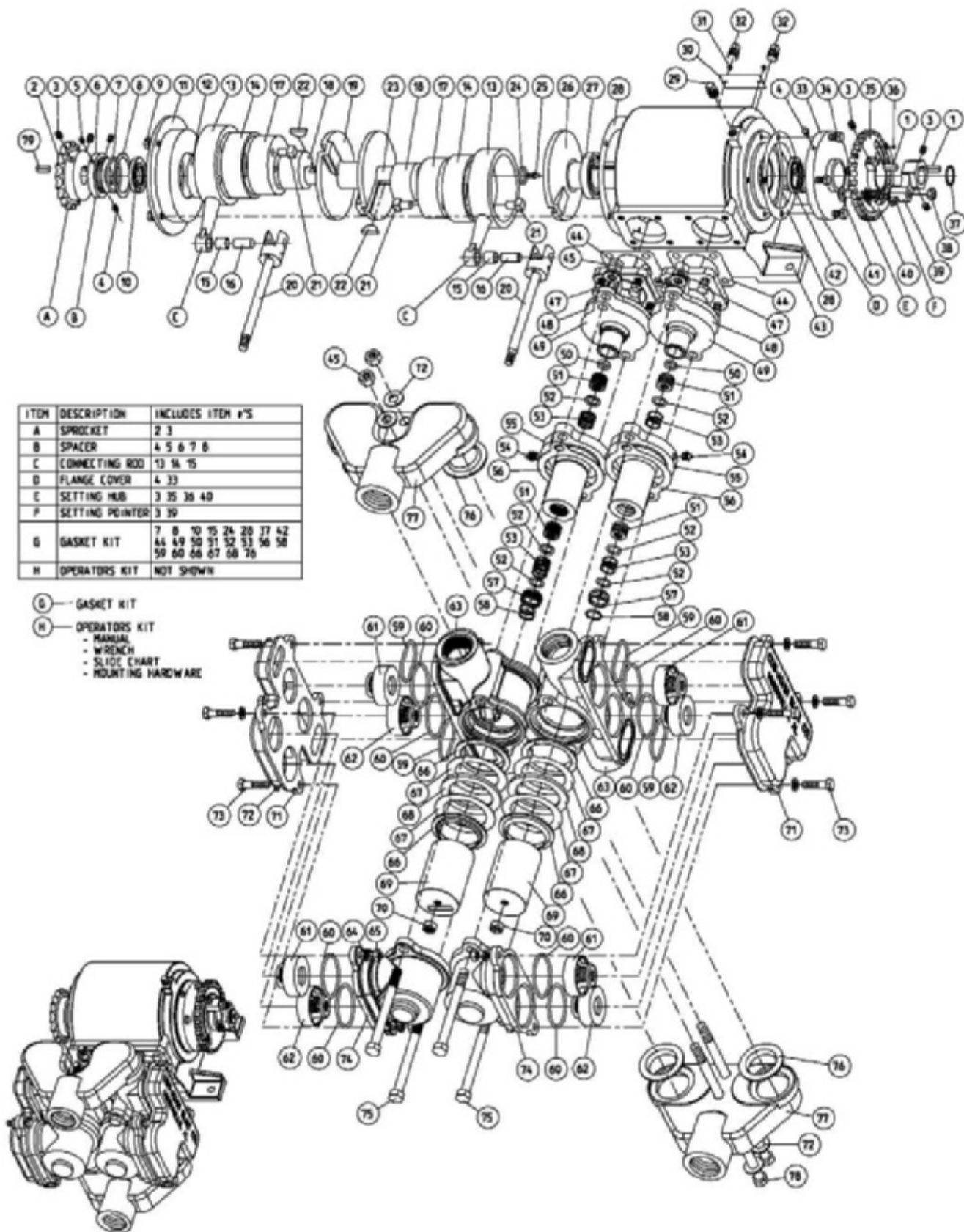


PARTS LISTING – NGP-6050 & NGP-7050 Series

ITEM	PART DESCRIPTION	NGP-6050 PART #	NGP-7050 PART #
1	KEY	L-1020	L-1020
2	SPROCKET RC50-18T	112661-01	112661-01
	-K NO SPROCKET	NOT USED	NOT USED
	-R SPROCKET RC40-18T	113905-01	113905-01
3	5/16 X 3/8 SET SCREW	90532	90532
4	GREASE FITTING	H-28	H-28
5	5/16 X 3/8 SET SCREW	90532	90532
6	SPROCKET SPACER	115625-01	115625-01
7	O-RING	S-316	S-316
8	THRUST WASHER	115626-01	115626-01
9	5/16 X 1HEX BOLT	90637	90637
10	OIL SEAL	115621-01	115621-01
11	COVER PLATE	115723-01	115623-01
12	BEARING	L-3019	L-3019
13	CONNECTING ROD	L-1008-A	113630-01
14	JOURNAL BEARING	L-928	113629-01
15	ROD BUSHING	113588-01	113588-01
16	ROD PIN	105895-01	105895-01
17	ECCENTRIC - OUTER	L-1013-A	113633-01
18	ECCENTRIC - INNER	L-1015	L-3017
19	TRANSFER SLEEVE	NOT USED	NOT USED
20	PISTON ROD ASSEMBLY	115712-91	105900-91
21	ECCENTRIC PIN	L-3004	L-3004
22	WOODRUFF KEY	108093-01	A-4333
23	CRANKSHAFT	115614-01	115614-01
24	O-RING	L-1022	L-1022
25	GREASE ZERK	115647-01	115647-01
26	SETTING SLEEVE	115718-01	115618-01
27	BEARING	L-1007-A	L-1007-A
28	GASKET	L-1006	L-3002
29	VENT PLUG	S-350	S-350
30	NAME PLATE	111958-01	111958-01
31	DRIVE SCREW	A-3557	A-3557
32	OIL PLUG	C-431-B	C-431-B
33	FLANGE COVER	115724-01	115724-01
34	5/16 X 1 HEX BOLT	90637	90637
35	SETTING HUB	115627-01	115627-01
36	SETTING SCALE SCREW	A-368	A-368
37	SNAP RING	115791-01	115791-01
38	3/8 SELF-LOCKING NUT	A-3097	A-3097
39	SETTING POINTER	115628-01	115628-01
40	SETTING SCALE	115645-01	115645-01
41	3/8 X 2 CARRIAGE BOLT	115646-01	115646-01
42	OIL SEAL	115622-01	115622-01
43	CRANKCASE	115720-01	115620-01
44	GASKET - CROSSHEAD	115711-01	115611-01
45	1/2 HEX NUT	92029	92029
	-S STAINLESS	92030	92030
46	NOT USED		
47	HEX BOLT	90637	90860
48	CROSSHEAD GUIDE	115700-01	115600-01
49	GASKET - STUFFING BOX	115610-01	115610-01
	-U FUMIGANT	104828-01	104828-01
50	O-RING	111943-01	111943-01
51	PACKING 'V' SET	L-1109	L-1109
	-U FUMIGANT	L-1109-U	L-1109-U
52	PACKING WASHER	L-1041	L-1041
53	PACKING SPRING	L-1063	L-1063

ITEM	PART DESCRIPTION	NGP-6050 PART #	NGP-7050 PART #
54	GREASE ZERK	H-30	H-30
55	STUFFING BOX	115790-01	115690-01
	-S STAINLESS	115790-01S	115690-01S
56	GASKET - INBOARD CYL.	115710-01	115710-01
	-U FUMIGANT	104826-02	104826-02
57	STUFFING BOX INSERT	L-1031-2	L-1031-2
	-S STAINLESS	NOT USED	NOT USED
58	PACKING - SNAP RING	L-1042	L-1042
59	O-RING	S-316	115604-01
	-S STAINLESS	104824-01	115612-01
	-U FUMIGANT	104824-01	115612-01
60	O-RING	L-3031	A-2848
	-S STAINLESS	114768-01	114870-01
	-U FUMIGANT	114768-01	114870-01
61	DISCHARGE VALVE	115707-91	115607-91
62	SUCTION VALVE	115706-91	115606-91
63	INBOARD CYLINDER	115701-02	115601-02
	-S STAINLESS	115701-02S	115601-02S
64	3/8 LOCK WASHER	93024	93024
	-S STAINLESS	93025	93025
65	3/8 HEX NUT	92024	92024
66	PLUNGER – PACKING	L-1045-V	L-1045-V
	-B PLUNGER – PACKING BUNA	L-1045-A	L-1045-A
67	PLUNGER – GASKET	L-1098	L-1098
	-U FUMIGANT	114769-01	114769-01
68	PLUNGER – WASHER	L-1044-A	L-1044-A
69	PLUNGER	103290-91	112816-91
70	PLUNGER - LOCKING NUT	L-1047	L-1047
71	VALVE COVER	115703-01	115603-01
	-S STAINLESS	115703-01S	115603-01S
72	1/2 FLAT WASHER	NOT USED	NOT USED
	-DR NOT USED	NOT USED	NOT USED
73	3/8 X 1-1/2 HEX BOLT	90911	90911
	-S STAINLESS	90654	90654
74	OUTBOARD CYLINDER	115702-01	115602-01
	-S STAINLESS	115702-01S	115602-01S
75	1/2 HEX BOLT	90704	90705
	-S STAINLESS (2 BOLTS USED)	90693/90687	90693/90687
76	GASKET – MANIFOLD	NOT USED	NOT USED
	-DR NOT USED	NOT USED	NOT USED
77	MANIFOLD – COMMON	NOT USED	NOT USED
	-S NOT USED	NOT USED	NOT USED
	-DR NOT USED	NOT USED	NOT USED
78	1/2 HEX BOLT	NOT USED	NOT USED
	-DR NOT USED	NOT USED	NOT USED
79	SPROCKET KEY	106493-01	106493-01
A	SPROCKET ASSY. RC50-18T	106532-01	106532-01
	-K NO SPROCKET	NOT USED	NOT USED
	-R SPROCKET ASSY. RC40-18T	113907-01	113907-01
B	SPROCKET SPACER ASSY.	115624-91	115624-91
C	CONNECTING ROD ASSY.	L-1008-B	113645-91
D	FLANGE COVER ASSY.	115725-91	115725-91
E	SETTING HUB ASSY.	115629-91	115629-91
F	SETTING POINTER ASSY.	115630-91	115630-91
G	GASKET KIT	115788	115688
	-S GASKET KIT - STAINLESS	115788-S	115688-S
	-U GASKET KIT - FUMIGANT	115788-U	115688-U
H	OPERATORS KIT	115787	115787
N/S	SLIDE CHART	115698-91	115698-91
N/S	SETTING WRENCH	115631-01	115631-01

NGP-8050 & 9050 SERIES



PARTS LISTING – NGP-8050 & NGP-9050 SERIES

ITEM	PART DESCRIPTION	NGP-8050 PART #	NGP-9050 PART #
1	KEY	L-1020	L-1020
2	SPROCKET RC50-18T	112661-01	112661-01
	-K NO SPROCKET	NOT USED	NOT USED
	-R SPROCKET RC40-18T	113905-01	113905-01
3	5/16 X 3/8 SET SCREW	90532	90532
4	GREASE FITTING	H-28	H-28
5	5/16 X 3/8 SET SCREW	90532	90532
6	SPROCKET SPACER	115625-01	115625-01
7	O-RING	S-316	S-316
8	THRUST WASHER	115626-01	115626-01
9	5/16 X 1HEX BOLT	90637	90637
10	OIL SEAL	115621-01	115621-01
11	COVER PLATE	115723-01	115623-01
12	BEARING	L-3019	L-3019
13	CONNECTING ROD	L-1008-A	113630-01
14	JOURNAL BEARING	L-928	113629-01
15	ROD BUSHING	113588-01	113588-01
16	ROD PIN	105895-01	105895-01
17	ECCENTRIC - OUTER	L-1013-A	113633-01
18	ECCENTRIC - INNER	L-1015	L-3017
19	TRANSFER SLEEVE	115783-01	115683-01
20	PISTON ROD ASSEMBLY	115712-91	105900-91
21	ECCENTRIC PIN	L-3004	L-3004
22	WOODRUFF KEY	108093-01	A-4333
23	CRANKSHAFT	115681-01	115681-01
24	O-RING	L-1022	L-1022
25	GREASE ZERK	115647-01	115647-01
26	SETTING SLEEVE	115718-01	115618-01
27	BEARING	L-1007-A	L-1007-A
28	GASKET	L-1006	L-3002
29	VENT PLUG	S-350	S-350
30	NAME PLATE	111958-01	111958-01
31	DRIVE SCREW	A-3557	A-3557
32	OIL PLUG	C-431-B	C-431-B
33	FLANGE COVER	115724-01	115724-01
34	5/16 X 1 HEX BOLT	90637	90637
35	SETTING HUB	115627-01	115627-01
36	SETTING SCALE SCREW	A-368	A-368
37	SNAP RING	115791-01	115791-01
38	3/8 SELF-LOCKING NUT	A-3097	A-3097
39	SETTING POINTER	115628-01	115628-01
40	SETTING SCALE	115645-01	115645-01
41	3/8 X 2 CARRIAGE BOLT	115646-01	115646-01
42	OIL SEAL	115622-01	115622-01
43	CRANKCASE	115780-01	115680-01
44	GASKET - CROSSHEAD	115711-01	115611-01
45	1/2 HEX NUT	92029	92029
	-S STAINLESS	92030	92030
46	NOT USED		
47	HEX BOLT	90637	90860
48	CROSSHEAD GUIDE	115700-01	115600-01
49	GASKET - STUFFING BOX	115610-01	115610-01
	-U FUMIGANT	104828-02	104828-02
50	O-RING	111943-01	111943-01
51	PACKING 'V' SET	L-1109	L-1109
	-U FUMIGANT	L-1109-U	L-1109-U
52	PACKING WASHER	L-1041	L-1041
53	PACKING SPRING	L-1063	L-1063

ITEM	PART DESCRIPTION	NGP-8050 PART #	NGP-9050 PART #
54	GREASE ZERK	H-30	H-30
55	STUFFING BOX	115790-01	115690-01
	-S STAINLESS	115790-01S	115690-01S
56	GASKET - INBOARD CYL.	115710-01	115710-01
	-U FUMIGANT	104826-02	104826-02
57	STUFFING BOX INSERT	L-1031-2	L-1031-2
	-S STAINLESS	NOT USED	NOT USED
58	PACKING - SNAP RING	L-1042	L-1042
59	O-RING	S-316	115604-01
	-S STAINLESS	104824-01	115612-01
	-U FUMIGANT	104824-01	115612-01
60	O-RING	L-3031	A-2848
	-S STAINLESS	114768-01	114870-01
	-U FUMIGANT	114768-01	114870-01
61	DISCHARGE VALVE	115707-91	115607-91
62	SUCTION VALVE	115706-91	115606-91
63	INBOARD CYLINDER	115701-02	115601-02
	-S STAINLESS	115701-02S	115601-02S
64	3/8 LOCK WASHER	93024	93024
	-S STAINLESS	93025	93025
65	3/8 HEX NUT	92024	92024
66	PLUNGER – PACKING	L-1045-V	L-1045-V
	-B PLUNGER – PACKING BUNA	L-1045-A	L-1045-A
67	PLUNGER – GASKET	L-1098	L-1098
	-U FUMIGANT	114769-01	114769-01
68	PLUNGER – WASHER	L-1044-A	L-1044-A
69	PLUNGER	103290-91	112816-91
70	PLUNGER - LOCKING NUT	L-1047	L-1047
71	VALVE COVER	115703-01	115603-01
	-S STAINLESS	115703-01S	115603-01S
72	1/2 FLAT WASHER	93013	93013
	-DR DUAL RATE [CYLINDERS]	NOT USED	NOT USED
73	3/8 X 1-1/2 HEX BOLT	90911	90911
	-S STAINLESS	90654	90654
74	OUTBOARD CYLINDER	115702-01	115602-01
	-S STAINLESS	115702-01S	115602-01S
75	1/2 HEX BOLT	90704	90705
	-S STAINLESS (2 BOLTS USED)	90693/90687	90693/90687
76	GASKET – MANIFOLD	112696-01	112696-01
	-DR DUAL RATE [CYLINDERS]	NOT USED	NOT USED
77	MANIFOLD – COMMON	115796-01	115696-01
	-S STAINLESS	115796-01S	115696-01S
	-DR DUAL RATE [CYLINDERS]	NOT USED	NOT USED
78	1/2 HEX BOLT	115793-01	115693-01
	-DR DUAL RATE [CYLINDERS]	NOT USED	NOT USED
79	SPROCKET KEY	106493-01	106493-01
A	SPROCKET ASSY. RC50-18T	106532-01	106532-01
	-K NO SPROCKET	NOT USED	NOT USED
	-R SPROCKET ASSY. RC40-18T	113907-01	113907-01
B	SPROCKET SPACER ASSY.	115624-91	115624-91
C	CONNECTING ROD ASSY.	L-1008-B	113645-91
D	FLANGE COVER ASSY.	115725-91	115725-91
E	SETTING HUB ASSY.	115629-91	115629-91
F	SETTING POINTER ASSY.	115630-91	115630-91
G	GASKET KIT	115789	115689
	-S GASKET KIT - STAINLESS	115789-S	115689-S
	-U GASKET KIT - FUMIGANT	115789-U	115689-U
H	OPERATORS KIT	115787	115787
N/S	SLIDE CHART	115698-91	115698-91
N/S	SETTING WRENCH	115631-01	115631-01

Which
Kestrel® Pocket Weather™ Meter
 is Best for You?



Available Functions Net Price	<i>Kestrel 1000</i> <i>Pocket Wind Meter</i>	<i>Kestrel 2000</i> <i>Pocket Thermo Wind Meter</i>	<i>Kestrel 3000</i> <i>Pocket Weather Meter</i>	<i>Kestrel 4000</i> <i>Pocket Weather Tracker</i>
WIND SPEED	X	X	X	X
MAX WIND SPEED	X	X	X	X
AVG WIND SPEED	X	X	X	X
TEMPERATURE		X	X	X
WIND CHILL		X	X	X
RELATIVE HUMIDITY			X	X
HEAT STRESS INDEX			X	X
DEW POINT			X	X
WET BULB				X
ALTITUDE				X
DENSITY ALTITUDE				X
BAROMETRIC PRESSURE				X

WM-200 WindMate® with Wind Direction

WM-200 Handheld Wind Meter Features:

- Wind Speed
- Wind Direction
- Temperature
- Wind Chill
- Digital Compass
- Displays current, maximum and average wind speed
- Reports wind direction in both degrees and compass points
- Calculates head wind, tail wind, and cross wind
- Water resistant and floats

WM-200 - Wind Mate 200 with Compass



Prices Subject to Change Without Notice

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694



COMBO-JET[®]

All-in-One Tip-Caps, Adapters and Strainers

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COMBO-RATE[®] I & II

Modular Nozzle Bodies

Page 111 & 112



COMBO-JET[®]

Wet & Dry Boom Nozzle Bodies
Single, Dual & Triple Outlet
Accessories

Page 113 & 114



KWIKSTOP[™]
Rapid Shut-Off
Nozzle Bodies

FLOW VIEW[™]

Ball Flow Indicators
and Fittings

Page 116



BOOM END FLUSH VALVE

Quick-Nut SST, TWS and 1" NPT Styles

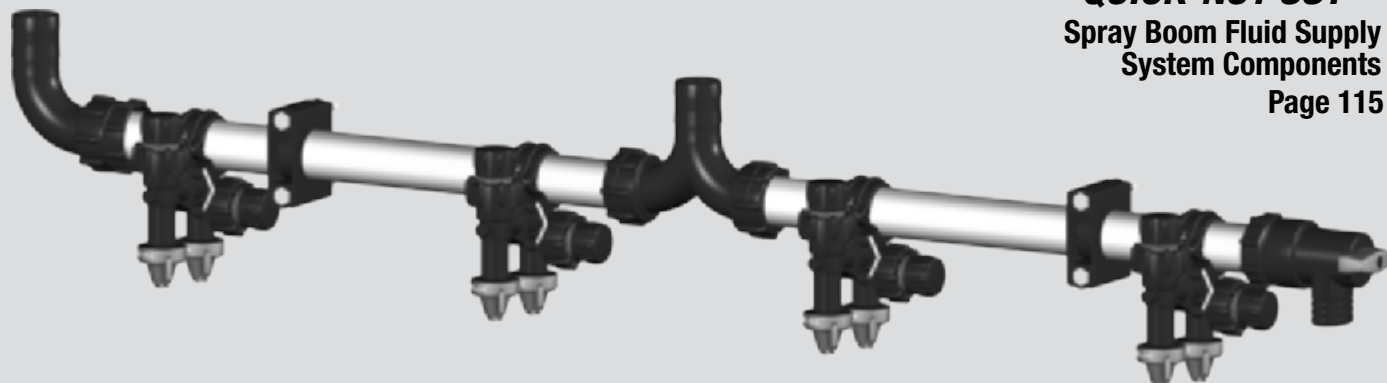
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QUICK-NUT SST[™]

Spray Boom Fluid Supply
System Components

Page 115



Questions about Spraying? Ask us on Facebook.

If you have a comment or question about spraying technology, or a spraying setup that you would like to share, Find us on Facebook @ [facebook.com/WilgerIndustries](https://www.facebook.com/WilgerIndustries)



The Importance of Droplet Size: Coverage vs. Drift

Generally speaking, smaller droplets deposit on the target more effectively than larger droplets; and larger droplets will drift less. So, you may have to make a choice between coverage and drift control. An additional consideration is that some products are more effective when applied with a certain droplet size.

For more information on droplet size, spray tip technology, and other spray application related topics go to TIPNOLOGY at www.wilger.net or on WILGER's website USB.

COMBO-JET® ALL-IN-ONE Tip-Caps and Strainers

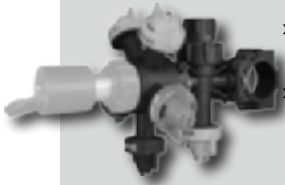
- » **COMBO-JET®** ER, SR, MR & DR tip-caps allow you to match the droplet size to your application, optimizing coverage and drift control
- » All-in-one tip, cap, and strainer stay clean longer and are easier to handle
- » For additional information, refer to our tip-cap brochure: publication # 10200-US (US Gallons)/10200-CN (Imp Gallons)

THE RIGHT DROPLET SIZE. THE RIGHT SPRAY TIP. THE RIGHT RESULT.



COMBO-RATE® I & II Nozzle Bodies

- » **COMBO-RATE® I** Nozzle bodies are side-inlet nozzle bodies that can be stacked with thru-bodies, end bodies, and turrets to fit your spray needs.
- » **COMBO-RATE® II** Nozzle bodies are stackable top/bottom inlet bodies. Top-inlet bodies remove air in the boom, reducing air build up and sprayer run on. The integrated nozzle bodies also allow for two-way stacking of thru and end bodies, and turrets.



Spray Tip Selection made Easier

Droplet size...flow rate...pressure...speed. Selecting the right spray tip is important, but can be challenging. WILGER gives you multiple ways to select your COMBO-JET® tip-cap, so you use whichever method is easiest for you:

TIP-WIZARD DIGITAL SPRAY SELECTOR

Using our Tip-Wizard application, enter your application requirements, click the 'search for spray tips' button and Tip-Wizard shows you the Tip-Cap that best meets your application requirements. Find it at wilger.net or on our **smartphone app**.

EXCEL-BASED TIP SELECTION CHARTS

These semi-automated tip selection charts, available from the 'downloads' section of **wilger.net** or on the **wilger.net** website USB. *There are also options for checking dual-tip applications available.*

COMBO-JET® TIP-CAP CHARTS

Manual Tip-Cap Selector charts are included in the Tip-Cap publications and are also available from the download section of **wilger.net** and on the **wilger.net** website USB.

Wilger Industries Ltd. products are sold exclusively to original equipment manufacturers and authorized distributors and are available to the end user through their retail dealerships. Prices shown are manufacturer suggested retail prices. Dealers may sell for less.

Warranties - Wilger warrants that its products are free of defects in material and workmanship and perform to each product's specifications. The foregoing warranties are in lieu of all other warranties, written or expressed, including, but not limited to, those concerning suitability for a particular purpose. Claims under these warranties must be made promptly within one (1) year after receipt of goods by the buyer. Any warranty action by the buyer must be expressly pre-authorized by Wilger.

Limitation of Liabilities - Except for claims for bodily injury, Wilger's liability for any and all claims arising out of the purchase of the product shall not exceed the billed or billable value of the product. In no case will Wilger be liable for any consequential damages or loss of profit, even if Wilger has been advised of the possibility of such damages.

Technical Assistance - Wilger personnel are available to provide technical assistance in the choice and use of products furnished to the buyer and will do so free of charge. Wilger assumes no obligation or liability for any such advice, or any consequences occurring as a result of the application of such advice. The buyer is solely responsible for the selection of the appropriate product(s) and the appropriate application to the intended end use.

For a more complete Terms and Conditions of Sale document, please refer to our website www.wilger.net.

Example: (BUNA-N)40287-015 (VITON) 40287-**V**015

Example: (BUNA-N)40287-015 (VITON) 40287-**V**015

²Pre-Orifices are purchased separately for use with Wilger COMBO-JET caps for liquid applications or other metering situations.

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COMBO-JET® Tip-Caps, Strainers and Conventional Flanged Tips

For additional information see publication no. 10200-CN

For Viton o-rings, change part number to XXXX-VXXX, add \$1.74.

Example: (BUNA-N)40287-125 (VITON) 40287-V125

							Use TIP WIZARD on our website, smartphone app or website USB for help selecting the spray tips with the best coverage and drift control. www.wilger.net										
COMBO-JET® ER Tip-Cap Part# MSRP	COMBO-JET® SR Tip-Cap (P-O #)¹ Part# MSRP	COMBO-JET® MR Tip-Cap (P-O #)¹ Part# MSRP	COMBO-JET® DR Tip-Cap (P-O #)¹ Part# MSRP	Flanged ER Tip Part# MSRP	Pre-orifice² (P-O) Part# MSRP		Tip & P-O color	For complete flow / application charts see Tip-Cap literature on website									
								Liquid Press PSI	Flow per Tip US GPM	US gallons per acre Miles per hour 5.0 7.5 10.0 15.0 20.0							
ER80-08 40270-08	SR80-08 (R10) 40288-08	MR80-08 (R08) 40290-08	DR80-08 (R08) 40280-08	ER80-08 40170-08	RO8 40285-08 40285-08S	08 WHITE	20	0.57	34	22	17	11	8				
							25	0.63	38	25	19	13	9				
							30	0.69	41	27	21	14	10				
ER110-08 40281-08	SR110-08 (R08S) 40287-08	MR110-08 (R08S) 40291-08	DR110-08 (R08S) 40286-08	ER110-08 40169-08			40	0.80	47	32	24	16	12				
							50	0.89	53	35	27	18	13				
							60	0.98	58	39	29	19	15				
ER80-10 40270-10	SR80-10 (R125) 40288-10	MR80-10 (R10) 40290-10	DR80-10 (R10) 40280-10	-	R10 40285-10 40285-10S	10 LIGHT BLUE	20	0.71	42	28	21	14	10				
							25	0.79	47	31	23	16	12				
							30	0.87	51	34	26	17	13				
ER110-10 40281-10	SR110-10 (R10S) 40287-10	MR110-10 (R10S) 40291-10	DR110-10 (R10) 40286-10	-			40	1.00	59	40	30	20	15				
							50	1.12	66	44	33	22	17				
							60	1.22	73	48	36	24	18				
ER80-125 40270-125	SR80-125 (R20) 40288-125	MR80-125 (R125) 40290-125	DR80-125 (R125) 40280-125	-	R125 40285-125 40285-13S	12.5 TEAL	20	0.88	52	35	26	17	13				
							25	0.99	59	39	29	20	15				
							30	1.08	64	43	32	21	16				
ER110-125 40281-125	SR110-125 (R125S) 40287-125	MR110-125 (R125) 40291-125	DR110-125 (R125) 40286-125	-			40	1.25	74	49	37	25	19				
							50	1.40	83	55	41	28	21				
							60	1.53	91	61	45	30	23				
ER80-15 40270-15	SR80-15 (R20) 40288-15	MR80-15 (R15) 40290-15	DR80-15 (R15) 40280-15	-	R15 40285-15	15 LIGHT GREEN	20	1.06	63	42	31	21	16				
							25	1.19	70	47	35	23	18				
							30	1.30	77	51	39	26	19				
ER110-15 40281-15	SR110-15 (R20) 40287-15	MR110-15 (R15) 40291-15	DR110-15 (R15) 40286-15	-			40	1.50	89	59	45	30	22				
							50	1.68	100	66	50	33	25				
							60	1.84	109	73	55	36	27				
ER80-20 40270-20	SR80-20 (R25) 40288-20	MR80-20 (R20) 40290-20	DR80-20 (R20) 40280-20	-	R20 40285-20	20 TAN	20	1.41	84	56	42	28	21				
							25	1.58	94	63	47	31	23				
							30	1.73	103	69	51	34	26				
ER110-20 40281-20	SR110-20 (R25) 40287-20	MR110-20 (R20) 40291-20	-	-			40	2.00	119	79	59	40	30				
							50	2.24	133	89	66	44	33				
							60	2.45	145	97	73	48	36				
ER80-25 40270-25	SR80-25 (R40) 40288-25	MR80-25 (R25) 40290-25	DR80-25 (R25) 40280-25	-	R25 40285-25	25 BLACK	20	1.77	105	70	52	35	26				
							25	1.98	117	78	59	39	29				
							30	2.17	129	86	64	43	32				
ER110-25 40281-25	SR110-25 (R40) 40287-25	-	-	-			40	2.50	148	99	74	49	37				
							50	2.80	166	111	83	55	41				
							60	3.06	182	121	91	61	45				
ER80-30 40270-30	SR80-30 (R40) 40288-30	MR80-30 (R30) 40290-30	DR80-30 (R30) 40280-30	-	R30 40285-30	30 BLACK	20	2.12	126	84	63	42	31				
							25	2.37	141	94	70	47	35				
							30	2.60	154	103	77	51	39				
ER110-30 40281-30	-	-	-	-			40	3.00	178	119	89	59	45				
							50	3.35	199	133	100	66	50				
							60	3.67	218	145	109	73	55				
ER80-40 40270-40	SR80-40 (R50) 40288-40	MR80-40 (R40) 40290-40	-	-	R40 40285-40	40 BLACK	20	2.83	168	112	84	56	42				
							25	3.16	188	125	94	63	47				
							30	3.46	206	137	103	69	51				
-	-	-	-	-			40	4.00	237	158	119	79	59				
							50	4.47	266	177	133	89	66				
							60	4.90	291	194	145	97	73				
ER80-50 40270-50	SR80-50 (R50) 40288-50	MR80-50 (R50) 40290-50	-	-	R50 40285-50	50 BLACK	20	3.54	210	140	105	70	52				
							25	3.95	235	156	117	78	59				
							30	4.33	257	171	129	86	64				
-	-	-	-	-			40	5.00	297	198	148	99	74				
							50	5.59	332	221	166	111	83				
							60	6.12	364	242	182	121	91				
ER80-60 40270-60	-	-	-	-	-	60 BLACK	20	4.24	252	168	126	84	63				
							25	4.74	282	188	141	94	70				
							30	5.20	308	206	154	103	77				
-	-	-	-	-			40	6.00	356	237	178	119	89				
							50	6.71	398	266	199	133	100				
							60	7.35	436	291	218	145	109				

¹SR, MR, & DR Nozzles include a pre-orifice. MR & DR pre-orifice color is the same as the cap. SR pre-orifice color may differ from the cap.

²Pre-Orifices are purchased separately for use with Wilger COMBO-JET caps for liquid applications or other metering situations.

For other spray tip angles and types of tips contact Wilger.

COMBO-JET® Radialock Tip-Cap Accessories and Adapters

For additional information see publication no. 10201-00

COMBO-JET® AND CONVENTIONAL - SQUARE LUG ADAPTERS

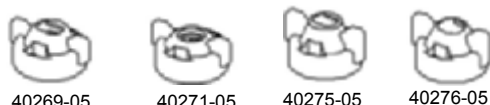
For viton o-ring options, contact Factory.



40200-00	ADAPTER ASSY. - CONVENTIONAL-SQUARE LUG TO COMBO-JET (Includes Seal)
40202-00	ADAPTER ASSY. - HARDITM TO COMBO-JET (Includes Seal)
40203-00	ADAPTER ASSY. - COMBO-JET TO CONVENTIONAL-SQUARE LUG (Includes Seal)

Different adapters let you use COMBO-JET Tip-Caps on conventional - square lug nozzle bodies or conventional - square lug caps on COMBO-JET nozzle bodies.

RADIALOCK CAPS



Radialock slotted caps let you use flanged tips on COMBO-JET nozzle bodies.



Radialock Hose Barb, Threaded and Other Caps require an O-ring seal and adapter, or a pre-orifice.
XXXXX-V5 & XXXXX-B5 include O-ring seal and adapter.



Black color is standard. Other colors are N/S. (Red -01, White -02, Green -03, Yellow -04, Black -05)

RADIALOCK ADAPTER CAPS

Slotted Caps (require 40160-00 gasket seal)

40269-05	RADIALOCK CAP - UNIVERSAL, SLOT - 3/8" WIDE
40271-05	RADIALOCK CAP - UNIVERSAL, ROUND - 1/2" DIAM
40275-05	RADIALOCK CAP - HARDI SLOT
40276-05	RADIALOCK CAP - WIDE SLOT - 7/16" WIDE
40279-05	RADIALOCK CAP - UNIVERSAL, SLOT, HIGH VOLUME - 3/8" WIDE

Hose Barb, Threaded & Other Caps (O-ring Nozzle Seal - p/n 40260-00 or 40260-V0, Seal Adapter - p/n 40261-00 & Pre-orifice - p/n 40285-XX sold separately)

40272-05	RADIALOCK CAP - PLUG
40273-05	RADIALOCK CAP - 1/4" NPTF
40274-05	RADIALOCK CAP - 1/4" NPTF, 45 DEG
40277-05	RADIALOCK CAP - 1/8" NPTF
40420-05	RADIALOCK CAP - 1/8" HOSE BARB
40422-05	RADIALOCK CAP - 1/4" HOSE BARB
40424-05	RADIALOCK CAP - 3/8" HOSE BARB
40426-05	RADIALOCK CAP - 1/2" HOSE BARB
40435-05	RADIALOCK CAP - 1/4" TUBE PUSH-IN FITTING
40436-05	RADIALOCK CAP - 3/8" TUBE PUSH-IN FITTING
40440-00	RADIALOCK TWIN CAP ADAPTER ASSY (includes O-ring seal)
	Hose Barb, NPTF & Caps Assembly (O-ring Nozzle Seal - p/n 40260-00 or 40260-V0 & B
	Seal Adapter - p/n 40261-00 included)
40273-V5	RADIALOCK CAP - 1/4" NPTF
40277-V5	RADIALOCK CAP - 1/8" NPTF
40420-V5	RADIALOCK CAP - 1/8" HOSE BARB
40422-V5	RADIALOCK CAP - 1/4" HOSE BARB
40424-V5	RADIALOCK CAP - 3/8" HOSE BARB
40426-V5	RADIALOCK CAP - 1/2" HOSE BARB
40435-V5	RADIALOCK CAP - 1/4" TUBE ADAPTER
40436-V5	RADIALOCK CAP - 3/8" TUBE ADAPTER

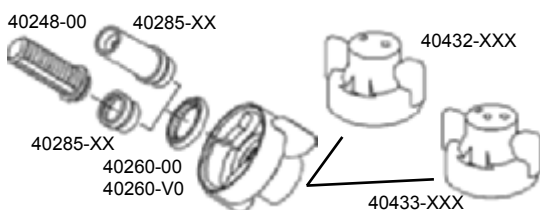
Related Components

40250-00	NOZZLE STRAINER ASSY - SNAP-IN C/J, 50 MESH (Red)
40251-00	NOZZLE STRAINER ASSY - SNAP-IN C/J, 100 MESH (Green)
40260-00	NOZZLE SEAL - COMBO-JET
40260-V0	NOZZLE SEAL - COMBO-JET - VITON (Recommended for fertilizer)
40261-00	SEAL ADAPTER (required when no pre-orifice is used)
40285-XX	PRE-ORIFICE ONLY - R005 to R50

see page 3 & 4

COMBO-JET® FERTILIZER SPRAY NOZZLES

Find our Fertilizer Tip Selector on www.wilger.net



40432-047	COMBO-JET FERTILIZER NOZZLE, 2-ORIFICE@0.0469 (Requires pre-orifice and seal. Sold separately)
40432-086	COMBO-JET FERTILIZER NOZZLE, 2-ORIFICE@0.086 (Requires pre-orifice and seal. Sold separately)
40432-104	COMBO-JET FERTILIZER NOZZLE, 2-ORIFICE@0.104 (Requires pre-orifice and seal. Sold separately)
40433-047	COMBO-JET FERTILIZER NOZZLE, 3-ORIFICE@0.0469 (Requires pre-orifice and seal. Sold separately)
40433-067	COMBO-JET FERTILIZER NOZZLE, 3-ORIFICE@0.067 (Requires pre-orifice and seal. Sold separately)
40433-104	COMBO-JET FERTILIZER NOZZLE, 3-ORIFICE@0.104 (Requires pre-orifice and seal. Sold separately)
40247-00	SLOTTED STRAINER - SNAP-IN C/J, 16 MESH (Grey)
40248-00	SLOTTED STRAINER - SNAP-IN C/J, 25 MESH (Yellow)
40249-00	SLOTTED STRAINER - SNAP-IN C/J, 50 MESH (Red)

For dribble banding use Radialock hose barb cap (page 5) with appropriate pre-orifice (page 3 & 4)

CONVENTIONAL - SQUARE LUG CAPS, SEALS AND STRAINERS



Black color is standard. Other colors are N/S (Red -01, White -02, Green -03, Yellow -04, Black -05)

40150-00	NOZZLE STRAINER - FLANGED, 50 MESH (Red)
40151-00	NOZZLE STRAINER - FLANGED, 100 MESH (Green)
40159-05	NOZZLE CAP - CONVENTIONAL/SQUARE LUG SLOT (requires gasket seal)
40160-00	NOZZLE GASKET - UNIVERSAL - EPDM
40198-00	NOZZLE GASKET - SMALLER OD - EPDM
40164-00	NOZZLE CAP - 1/4" NPTF, 45 DEG - CONVENTIONAL/SQUARE LUG (requires gasket seal)
40180-05	NOZZLE CAP - CONVENTIONAL/SQUARE LUG BLANK (requires gasket seal)

CONVENTIONAL - SQUARE LUG FERTILIZER NOZZLES



40182-047	CONVENTIONAL/SQUARE LUG CAP, 2-ORIFICE@0.047 (Requires orifice disk and seal. Sold separately)
40182-086	CONVENTIONAL/SQUARE LUG CAP, 2-ORIFICE@0.086 (Requires orifice disk and seal. Sold separately)
40182-104	CONVENTIONAL/SQUARE LUG CAP, 2-ORIFICE@0.104 (Requires orifice disk and seal. Sold separately)
40183-047	CONVENTIONAL/SQUARE LUG CAP, 3-ORIFICE@0.047 (Requires orifice disk and seal. Sold separately)
40183-067	CONVENTIONAL/SQUARE LUG CAP, 3-ORIFICE@0.067 (Requires orifice disk and seal. Sold separately)
40183-104	CONVENTIONAL/SQUARE LUG CAP, 3-ORIFICE@0.104 (Requires orifice disk and seal. Sold separately)

Non-Stocked Parts (N/S) / Special Order:

Please note that parts with N/S beside the part description or in front of the part number are special order or non-stocked items which may have a longer lead time and/or require that a minimum quantity be ordered. For more information, please contact Wilger.

COMBO-RATE® Nozzle Bodies

An Innovative Nozzle Body Design That Gives You More Application Options

- COMBO-RATE components are modular and easily interchanged using COMBO-CLIP mounting

For additional information see publication no. 10205-01



COMBO-RATE® II FLUID BOTTOM / TOP TAKE-OFF SADDLES

For viton o-ring option, contact Factory.



COMBO-RATE® II series saddles have a universal mount that allows them to be mounted with the fluid take-off stem at the bottom of the boom pipe. This allows them to be utilized for both new and retrofit applications.

Saddles can also be mounted with the fluid take-off on top of the boom pipe to reduce nozzle run-on caused by trapped air.

Saddles are available with one or two COMBO-CLIP outlets, which allows you to mount COMBO-RATE nozzles bodies (page 6) or accessories (page 7).

MODEL	STANDARD		BOLT MOUNT	
	ONE-WAY	TWO-WAY	ONE-WAY	TWO-WAY
1/2" PIPE WITH 3/8" INLET	41371-00	41372-00	41471-00	41472-00
1" PIPE WITH 3/8" INLET	41375-00	41376-00	41475-00	41476-00
1" PIPE WITH 9/16" INLET	41377-00	41378-00	41477-00	41478-00

COMBO-RATE® FLUID SIDE TAKE-OFF SADDLES

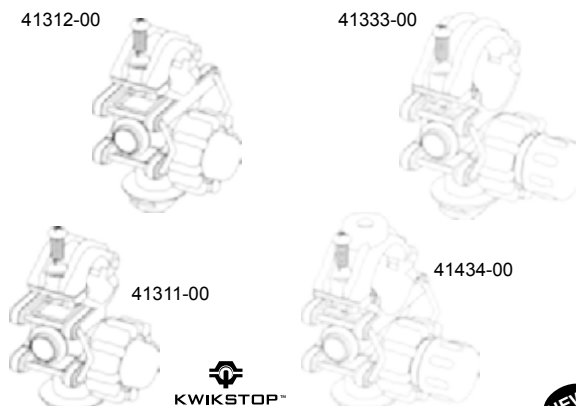
For viton o-ring options, contact Factory.



41203-00	WET BOOM SADDLE ASSY, 3/4" PIPE , 3/8" INLET
41200-00	WET BOOM SADDLE ASSY, 1" PIPE , 3/8" INLET
41201-00	WET BOOM SADDLE ASSY, 1" PIPE , 9/16" HIGH FLOW INLET
41206-00	WET BOOM SADDLE ASSY, 2" TUBE , 9/16" INLET

COMBO-RATE® II SADDLES WITH INTEGRATED NOZZLE BODIES

For viton o-ring options, contact Factory.

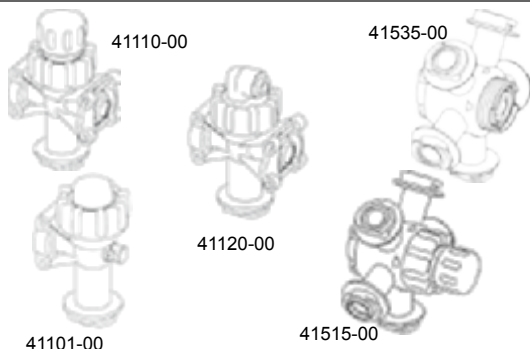


MODEL	STANDARD				BOLT MOUNT			
	DIA. CHECK VALVE	MANUAL ON/OFF	AIR-OFF	BLENDED PULSE	DIA. CHECK VALVE	MANUAL ON/OFF	AIR-OFF	BLENDED PULSE
1/2" ONE-WAY WITH 3/8" INLET	41311-00	41313-00	41315-00	41317-00	41411-00	41413-00	41415-00	41417-00
1/2" TWO-WAY WITH 3/8" INLET	41312-00	41314-00	41316-00	41318-00	41412-00	41414-00	41416-00	41418-00
1" ONE-WAY WITH 3/8" INLET	41331-00	41333-00	41335-00	41337-00	41431-00	41433-00	41435-00	41437-00
1" TWO-WAY WITH 3/8" INLET	41332-00	41334-00	41336-00	41338-00	41432-00	41434-00	41436-00	41438-00
1" ONE-WAY WITH 9/16" INLET	41341-00	41343-00	41345-00	41347-00	41441-00	41443-00	41445-00	41447-00
1" TWO-WAY WITH 9/16" INLET	41342-00	41344-00	41346-00	41348-00	41442-00	41444-00	41446-00	41448-00
1" TWO-WAY WITH 21/32" INLET	41362-00	41364-00	41366-00	41368-00	-	-	-	-
1" ONE-WAY KWIKSTOP	41351-00	41353-00	41355-00	41357-00	41451-00	41453-00	41455-00	41457-00
1" TWO-WAY KWIKSTOP	41352-00	41354-00	41356-00	41358-00	41452-00	41454-00	41456-00	41458-00

COMBO-RATE® II series saddles with integrated nozzle bodies are available with one or two COMBO-CLIP outlets. The nozzle is directly below the boom pipe and additional nozzles are 2" to either side of the boom pipe. These models are compact, quick to mount and economical.

COMBO-RATE® NOZZLE BODIES

For viton o-ring options, contact Factory.



MODEL	PART NO. / MSRP				
	DIAPHRAGM CHK VALVE	MANUAL ON/OFF	BLENDED PULSE**	AIR-ON OPERATED	AIR-OFF OPERATED
THRU BODY ASSY	41100-00	41110-00	41135-00	41120-00	41125-00
END BODY ASSY	41101-00	41111-00	41136-00	41121-00	41126-00
3 HEAD TURRET NOZZLE BODY	41503-00	41513-00	41533-00	41523-00	41543-00
4 HEAD TURRET NOZZLE BODY	41504-00	41514-00	41534-00	41524-00	41544-00
5 HEAD TURRET NOZZLE BODY	41505-00	41515-00	41535-00	41525-00	41545-00
5 OUTLET TURRET c/w CONV-SQ. LUG*	41505-32*	41515-32*	41535-32*	41525-32*	41545-32*

Notes:

* Nozzle body has 3 Combo-Jet & 2 conventional square lug outlets

** Blended pulse bodies do not include a body nut

Buna-N seals are standard. Viton seals available - contact factory.

COMBO-RATE® nozzle bodies can mounted on any COMBO-RATE Top / Bottom or Side fluid take off Saddle, COMBO-RATE Saddle with Integrated Nozzle Body or COMBO-RATE accessory with a COMBO-CLIP outlet.

SPECIAL USE COMBO-RATE® NOZZLE BODIES AND ACCESSORIES

AIR COMBO-RATE® NOZZLE BODY ACCESSORIES



20456-00



20455-00

20455-00	AIR TEE ASSY, 3/8" x 3/8" x 1/4" TUBE.....
20456-00	REDUCING ADAPTER ASSY, 3/8 x 1/4" TUBE.....
20458-100	POLYETHYLENE TUBING, 1/4" OD, 100 FT.....
20459-100	POLYETHYLENE TUBING, 3/8" OD, 100 FT.....

COMBO-RATE® BLENDED PULSE NOZZLE BODY COMPONENTS



41133-01



41151-00

41133-01	COMBO-RATE BLENDED PULSE ADAPTER NUT.....
41150-00	INTER-BODY STRAINER ASSY, 50 M (Red).....
41152-00	INTER-BODY STRAINER ASSY, 80 M (Grey).....
41151-00	INTER-BODY STRAINER ASSY, 100 M (Green).....

COMBO-RATE® NOZZLE BODY COMPONENTS AND COMBO-CLIP ACCESSORIES

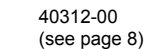
For viton o-ring options, contact Factory.



41252-00



41256-00



40312-00
(see page 8)



41250-00



41275-00



41261-00
(see page 9)



40155-07
40155-12



41285-00



41125-01



41110-01



41100-03



41100-02

41100-02	BODY NUT
41100-03	DIAPHRAGM CHECK VALVE MODULE.....
41110-01	COMBO-RATE SHUT-OFF MODULE ASSY (contact Wilger for Red/Blue/Yellow cap colors).....
41125-01	COMBO-RATE AIR-OFF MODULE ASSY.....
40155-07	DIAPHRAGM, EPDM
40155-12	DIAPHRAGM, VITON (Recommended for liquid fertilizer).....
41250-00	COMBO-CLIP 90° DIAPHRAGM ELBOW M/FE ASSY.....
41251-00	COMBO-CLIP FE / RADIALOCK BODY / NPTF 1/4" ADAPTER ASSY.....
41252-00	COMBO-CLIP FE x 1/4" NPTM ADAPTER ASSY.....
41253-00	COMBO-CLIP FE x 3/8" NPTM ADAPTER ASSY.....
41255-00	COMBO-CLIP FE x 1/4" NPTF x 3/4" SQ MOUNT ADAPTER ASSY.....
41256-00	COMBO-CLIP FE x 3/8" NPTF x 3/4" SQ MOUNT ADAPTER ASSY.....
41275-00	COMBO-CLIP MALE x 1/4" NPTF ADAPTER.....
41276-00	COMBO-CLIP MALE x 3/8" NPTF ADAPTER.....
41285-00	COMBO-CLIP MALE x PLUG

Diaphragm check valves can be special ordered with shut-off pressure settings to suit special applications. Standard: 10 PSI Shut-Off; 4 PSI + 15 PSI Options Available. Please contact Wilger.

COMBO-RATE® BOOM CONTROL MANIFOLD COMPONENTS

For viton o-ring options, contact Factory.



41131-00

41130-00	COMBO-RATE THRU BODY ASSY, PRESSURE REGULATING / RELIEF VALVE (0-90 PSI).....
41131-00	COMBO-RATE END BODY ASSY, PRESSURE REGULATING / RELIEF VALVE (0-90 PSI).....
41256-00	COMBO-CLIP x 3/8" NPTF x 3/4" SQ MOUNT ADAPTER ASSY (DRY BOOM).....

Refer to page 5 for Radialock caps, available with hose barb and threaded connections.

COMBO-RATE modular components can be utilized to control and distribute fluids in a broad range of applications. Please contact WILGER for help choosing the correct components for your application.

- 2 Manual Shut-Off control thru bodies with inlet, PRV, and hose barb caps.....
- 3 Manual Shut-Off control thru bodies with inlet, PRV, and hose barb caps.....

Please contact WILGER for help choosing the correct components for you application or for any questions of inquiries regarding these products.



41251-00



Estate sprayer boom control manifold example shown

COMBO-JET® Nozzle Bodies

Easier to Use. Built Tougher. Proven.

The nozzle body that allows you to switch up to 3 different tip-caps by rotating positions.

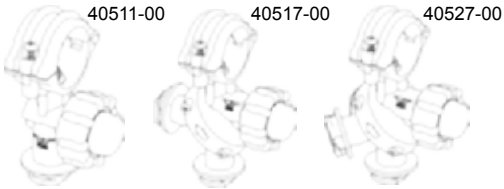
For additional information see publication no. 10206-00 & 10211-00



COMBO-JET® WET BOOM NOZZLE BODIES

For viton o-ring options, contact Factory.

Combo-Jet® Radialock Wet Boom Nozzle Bodies



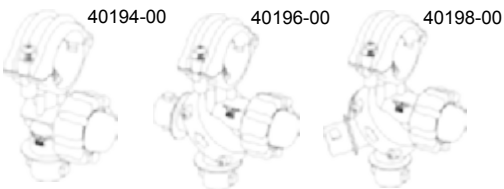
OUTLETS	3/4" WB	1" WB	1"WB KWIKSTOP
SINGLE	40510-00	40511-00	40259-00
DUAL	40516-00	40517-00	40258-00
TRIPLE	40526-00	40527-00	40268-00

Shut-Off Diaphragm Check Valve Options for Combo-Jet and Conventional Wet Boom Nozzle Bodies

4 PSI (Add '-P4' to part number - i.e. xxxxx-P4)
10 PSI (Standard)
15 PSI (Add '-P15 to part number - i.e. xxxxx-P15)

Diaphragm and Seal Options
BUNA-N (standard, unless otherwise noted)
Viton (Contact Wilger for pricing)

Conventional - Square Lug Wet Boom Nozzle Bodies



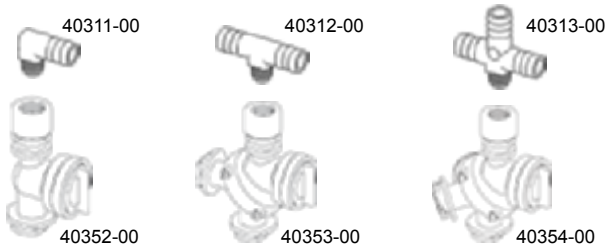
OUTLETS	3/4" WB	1" WB	1"WB KWIKSTOP
SINGLE	40193-00	40194-00	40116-00
DUAL	40195-00	40196-00	40117-00
TRIPLE	40197-00	40198-00	40118-00
SINGLE W/O DIA. CHECK	40140-00	40141-00	N/A



KWIKSTOP nozzle bodies have taller fluid inlet stems that remove built up air in the boom pipe, along with the liquid, so nozzles shut-off faster and there is less run-on

COMBO-JET® DRY BOOM NOZZLE BODIES

For viton o-ring options, contact Factory.



Hose Shank Adapters for 3/8" NPTF Inlet Nozzle Bodies

Type	3/8" HOSE SHANK	1/2" HOSE SHANK	3/4" HOSE SHANK
ONE WAY	40301-00	40306-00	40311-00
TWO WAY	40302-00	40307-00	40312-00
THREE WAY	N/A	N/A	40313-00

Combo-Jet® Radialock Dry Boom Nozzle Bodies

40352-00 COMBO-JET SQ. MT. DRY BOOM BODY ASSY.- SINGLE with DIAPHRAGM
40353-00 COMBO-JET SQ. MT. DRY BOOM BODY ASSY.- DOUBLE SWIVEL with DIAPHRAGM
40354-00 COMBO-JET SQ. MT. DRY BOOM BODY ASSY.- TRIPLE SWIVEL with DIAPHRAGM

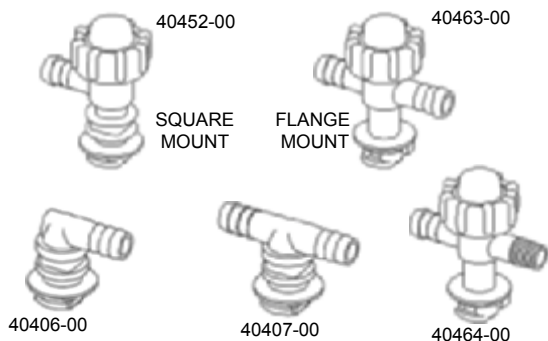
Conventional - Square Lug Dry Boom Nozzle Bodies

40152-00 SQ. MT. DRY BOOM BODY ASSY.- DOUBLE with DIAPHRAGM
40153-00 SQ. MT. DRY BOOM BODY ASSY.- TRIPLE with DIAPHRAGM

SPECIAL USE NOZZLE BODIES

HIGH MOUNT DRY BOOM NOZZLE BODIES WITH HOSE SHANKS - 5/8" SQUARE & FLANGE MOUNT STYLE

Viton o-ring options available.



5/8" SQUARE MOUNT - with DIAPHRAGM CHECK VALVE (N/S)

MODEL	3/8" HOSE SHANK	1/2" HOSE SHANK
ONE WAY	40450-00	40452-00
TWO WAY	40451-00	40453-00
ONE WAY with 1/4"NPT	N/A	40454-00

FLANGE MOUNT STYLE - with DIAPHRAGM CHECK VALVE (N/S)

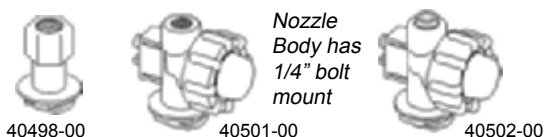
MODEL	3/8" HOSE SHANK	1/2" HOSE SHANK
ONE WAY	40460-00	40462-00
TWO WAY	40461-00	40463-00
ONE WAY with 1/4"NPT	N/A	40464-00

SQUARE MOUNT STYLE - without DIAPHRAGM CHECK VALVES

40406-00 COMPACT BODY, SQ. MT., 1/2" ONE WAY
40407-00 COMPACT BODY, SQ. MT., 1/2" TWO WAY

INLET MOUNT COMPACT BODIES WITH NPTF AND TUBE PUSH-IN FITTING INLETS

For viton o-ring options, contact Factory.



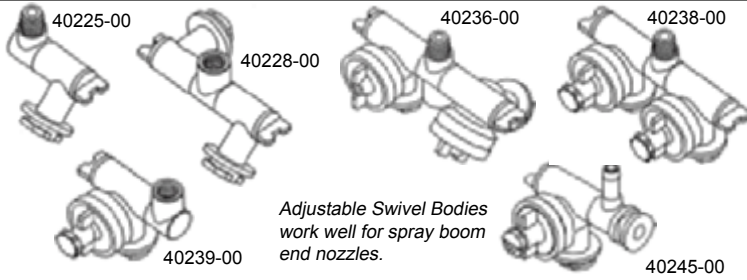
40497-00 COMPACT BODY ASSY, 1/4" NPTF
40498-00 COMPACT BODY ASSY, 3/8" NPTF
40500-00 COMPACT DIAPHRAGM BODY ASSY, 1/8" NPTF
40501-00 COMPACT DIAPHRAGM BODY ASSY, 1/4" NPTF
40502-00 COMPACT DIAPHRAGM BODY ASSY, 1/4" PUSH-IN TUBE FITTING

Non-Stocked Parts (N/S) / Special Order:

Please note that parts with N/S beside the part description or in front of the part number are special order or non-stocked items which may have a longer lead time and/or require that a minimum quantity be ordered. For more information, please contact Wilger.

ADJUSTABLE SWIVEL BODIES

For viton o-ring options, contact Factory.

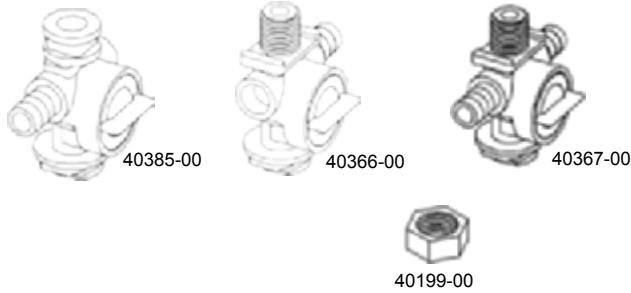


Adjustable Swivel Bodies work well for spray boom end nozzles.

INLET	OUTLET					
	WITHOUT DIA.		DIA. CHECK		SHUT-OFF DIA.	
	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
1/4" NPTM	40225-00	40226-00	40231-00	40232-00	40237-00	40238-00
1/4" NPTF	40227-00	40228-00	40233-00	40234-00	40239-00	40240-00
1/4" NPTM x 1/4" NPTF	40229-00	40230-00	40235-00	40236-00	40241-00	40242-00
3/8" HOSE SHANK w/ SQUARE MOUNT	40243-00	-	40244-00	-	40245-00	-

LOW MOUNT COMPACT - 11/16" THREADED AND 5/8" SQUARE MOUNT NOZZLE BODIES

For viton o-ring options, contact Factory.



SQUARE MOUNT c/w DIAPHRAGM CHECK VALVE (Non-Stocked Item - Contact Factory for Availability)

TYPE	3/8" HOSE SHANK	1/2" HOSE SHANK	3/4" HOSE SHANK
ONE WAY LEFT	40380-00	40385-00	40390-00
ONE WAY RIGHT	40381-00	40386-00	40391-00
TWO WAY	40382-00	40387-00	40392-00
THREE WAY	40383-00	40388-00	N/A

THREAD MOUNT c/w DIAPHRAGM CHECK VALVE (Non-Stocked Item - Contact Factory for Availability)

TYPE	3/8" HOSE SHANK	1/2" HOSE SHANK	3/4" HOSE SHANK
ONE WAY LEFT	40360-00	40365-00	40370-00
ONE WAY RIGHT	40361-00	40366-00	40371-00
TWO WAY	40362-00	40367-00	40372-00

40199-00 LOCK NUT - 11/16" THREAD

NOZZLE BODY ACCESSORIES

BOOM CLAMPS FOR SQUARE MOUNT DRY BOOM BODIES

BOOM CLAMPS FOR 5/8" SQUARE MOUNT BODIES

Size	PLATED*		STAINLESS (SS)	
	STANDARD PIPE	SQUARE TUBE	STANDARD PIPE	SQUARE TUBE
1/2"	40320-00	N/A	40320-SS	N/A
3/4"	40321-00	40325-00	40321-SS	40325-SS
1"	40322-00	40326-00	40322-SS	40326-SS
1 1/4"	N/A	40327-00	N/A	40327-SS
1 1/2"	N/A	40328-00	N/A	40328-SS
2"	N/A	40330-00	N/A	40330-SS

PLATED*	SS	HIGH REACH BOOM CLAMPS FOR 5/8" SQUARE MOUNT DRY BOOM BODIES	PLATED*	SS
40341-00	40341-SS	SQ. MT. HIGH REACH DRY BOOM CLAMP ASSY - 3/4" to 1 1/4" SQ. and RD. TUBE		
40342-00	40342-SS	SQ. MT. HIGH REACH DRY BOOM CLAMP ASSY - 1 1/2" to 2" SQ. and RD. TUBE		
40343-00	-	SQ. MT. EXTRA HIGH REACH DRY BOOM CLAMP ASSY- 3/4" RD. TUBE		

PLATED*	SS	HIGH REACH BOOM CLAMPS FOR 3/4" SQUARE MOUNT COMBO-RATE BODIES	PLATED*	SS
41261-00	41261-SS	3/4" SQ. MOUNT DRY BOOM CLAMP ASSY- 1" SQ. TUBE		
41262-00	41262-SS	3/4" SQ. MOUNT DRY BOOM CLAMP ASSY- 1 1/4" SQ. TUBE		
41263-00	41263-SS	3/4" SQ. MOUNT DRY BOOM CLAMP ASSY- 1 1/2" SQ. TUBE		
41264-00	41264-SS	3/4" SQ. MOUNT DRY BOOM CLAMP ASSY- 2" SQ. TUBE		

*Contact Factory for Plated Availability

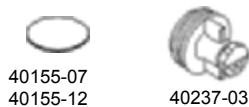
TURRET ADAPTER BODIES FOR RADIAL LOCK AND CONVENTIONAL - SQUARE LUG

For viton o-ring options, contact Factory.



40470-00	DUAL BODY ADAPTER ASSY - COMBO-JET®
40471-00	TRIPLE BODY ADAPTER ASSY - COMBO-JET®
40472-00	DUAL BODY ADAPTER ASSY - CONVENTIONAL/SQUARE LUG
40473-00	TRIPLE BODY ADAPTER ASSY - CONVENTIONAL/SQUARE LUG

MISCELLANEOUS NOZZLE BODY COMPONENTS



20451-00	MANIFOLD - 1.5" NPT x 1.5" NPT x 2" ADAPTER, POLYPROP.
20452-00	MANIFOLD - 1.5" NPT x 1.5" NPT x 1.5" NPT, POLYPROP.
20453-00	MANIFOLD - 1.5" NPT x 1.5" NPT x 1.25" NPTF, POLYPROP.
40155-07	DIAPHRAGM, EPDM
40155-12	DIAPHRAGM, VITON (Recommended for fertilizer)
40155-21	MODULE RETAINER
40237-03	SHUT-OFF DIAPHRAGM MODULE ASSEMBLY
40260-00	NOZZLE SEAL - COMBO-JET
40260-V0	NOZZLE SEAL - COMBO-JET, VITON (Recommended for fertilizer)

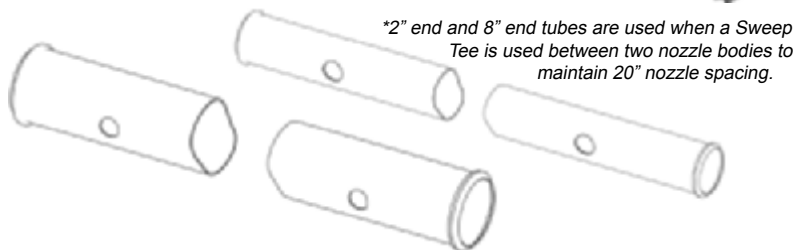
QUICK-NUT™ SST FLUID SUPPLY SYSTEM

Less Cost. Less Weight. More Serviceability.

For additional information see publication no. 10215-00



QUICK NUT SST BOOM TUBES



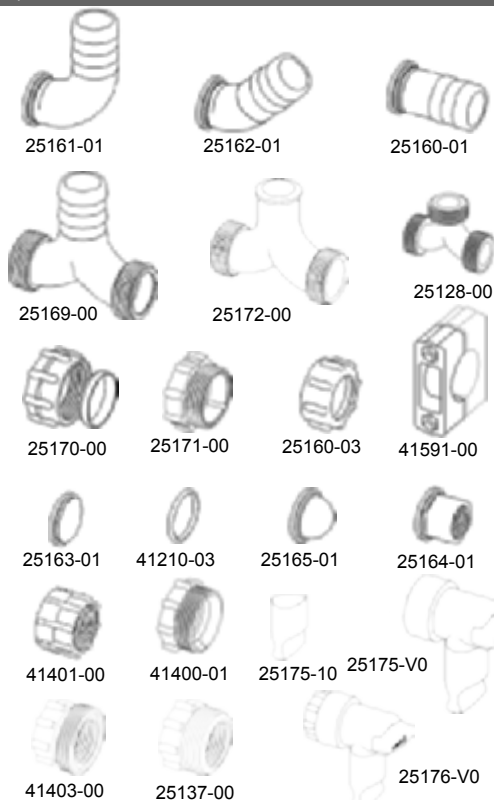
*2" end and 8" end tubes are used when a Sweep Tee is used between two nozzle bodies to maintain 20" nozzle spacing.

- Thin wall stainless steel tube boom sections are ready to assemble, with formed ends and punched nozzle body inlet holes.
- Available in 1" nominal diameter. 1/2" nominal diameter coming soon.
- 1" and 1/2" tubes accommodate 1" and 1/2" standard nozzle bodies.
- Thin wall tube advantages:
 - Rigid & light weight - reduces boom weight
 - Larger inside diameter - to better accommodate higher flow rates with less pressure drop.
 - Lower cost compared to conventional boom plumbing systems.
- Tubes available with custom lengths and hole spacings to suit most applications. Consult factory for pricing.

Tubing Description	20" SPACING 2" End & 2" End	20" SPACING 2" End and 8" End
SST BOOM TUBE - 1.315" OD, 2 HOLE	41700-02	41701-02
SST BOOM TUBE - 1.315" OD, 3 HOLE	41700-03	41701-03
SST BOOM TUBE - 1.315" OD, 4 HOLE	41700-04	41701-04
SST BOOM TUBE - 1.315" OD, 5 HOLE	41700-05	41701-05
SST BOOM TUBE - 1.315" OD, 6 HOLE	41700-06	41701-06
SST BOOM TUBE - 1.315" OD, 7 HOLE	41700-07	41701-07
SST BOOM TUBE - 1.315" OD, 8 HOLE	41700-08	41701-08
SST BOOM TUBE - 1.315" OD, 9 HOLE	41700-09	41701-09
SST BOOM TUBE - 1.315" OD, 10 HOLE	41700-10	41701-10
SST BOOM TUBE - 1.315" OD, 11 HOLE	41700-11	41701-11
SST BOOM TUBE - 1.315" OD, 12 HOLE	41700-12	n/a

**Consult factory for 1/2" tube pricing.

QUICK NUT FITTINGS



QUICK-NUT 1" - Use with 1" O.D. SST Boom Tube (1.315" O.D.)

1" Hose Shank

25166-01	QN HOSE SHANK - 1" SST x 1" STRAIGHT SHANK.....
25167-01	QN HOSE SHANK - 1" SST x 1" SWEEP 90 DEGREE.....
25168-00	QN SWEEP TEE - 1" HOSE SHANK x 1" SST x 1" SST.....

1-1/4" Hose Shank

25160-01	QN HOSE SHANK - 1" SST x 1 1/4" STRAIGHT SHANK.....
25161-01	QN HOSE SHANK - 1" SST x 1 1/4" SWEEP 90 DEGREE.....
25162-01	QN HOSE SHANK - 1" SST x 1 1/4" SWEEP 45 DEGREE.....
25169-00	QN SWEEP TEE - 1 1/4" HOSE SHANK x 1" SST x 1" SST.....

Other Fittings & Components

25160-03	QN 1" SST - NUT.....
25163-01	QN 1" SST - PLUG.....
25164-01	QN 1" SST x 3/4" NPT FE ADAPTER.....
25165-01	QN 1" SST SIGHT BULB PLUG, CLEAR.....
25172-00	QN SWEEP TEE - 1 1/4" JOINT ADAPTER x 1" SST x 1" SST.....
41210-03	O-RING, BUNA N #218.....

QN to SST Connectors

25170-00	QN FEMALE BOOM END ADAPTER ASSY - 1.315" TUBE x 1" SST.....
25171-00	QN MALE BOOM END ADAPTER - 1.315" TUBE x 1" SST.....

Boom Mount Clamps - part number & price are for a single (half) clamp. Two (2) clamps are normally required.

41590-00	BOOM MOUNT CLAMP - POLYGLASS for 1.25" O.D. TUBE.....
41591-00	BOOM MOUNT CLAMP - POLYGLASS for 1.315" O.D. TUBE & 1" SCHEDULE 40 PIPE.....

QUICK-NUT 1/2" - Use with 1/2" O.D. SST Boom Tube (0.840" O.D.)

1/2" Hose Shank

25120-01	QN HOSE SHANK - 1/2" SST x 1/2" STRAIGHT.....
25122-01	QN HOSE SHANK - 1/2" SST x 1/2" SWEEP 90 DEGREE.....
25124-01	QN HOSE SHANK - 1/2" SST x 1/2" SWEEP 45 DEGREE.....

3/4" Hose Shank

25121-01	QN HOSE SHANK - 1/2" SST x 3/4" STRAIGHT SHANK.....
25123-01	QN HOSE SHANK - 1/2" SST x 3/4" SWEEP 90 DEGREE.....
25125-01	QN HOSE SHANK - 1/2" SST x 3/4" SWEEP 45 DEGREE.....

Other Fittings & Components

25120-02	O-RING, BUNA N #116.....
25120-03	QN- 1/2" SST - NUT.....
25126-01	QN 1/2" SIGHT BULB.....
25128-00	QN SWEEP TEE - 1/2" SST x 1/2" SST x 1/2" SST.....

QN to SST Connectors

25129-00	QN FEMALE BOOM END ADAPTER ASSY - 0.840" TUBE x 1/2" SST FE.....
25130-00	QN MALE BOOM END ADAPTER - 0.840" TUBE x 1/2" SST.....

BOOM END FLUSH VALVES (BEFV)

25137-00	ADAPTER - QN SST BEFV TO 1" NPTF.....
25137-00	ADAPTER KIT - QN SST BEFV TO 1" NPTF ADAPTER W/ VITON O-RING.....
25175-V0	QN BOOM-END FLUSH VALVE - 1" SST (1-1/4" NPT COMPATIBLE)- FEMALE THREAD - VITON SEALS.....
25175-10	BOOM -END FLUSH VALVE DUST CAP (Universal for all Wilger BEFVs).....
25176-V0	QN BOOM-END FLUSH VALVE - 1" NPT FEMALE.....

TWS Components (CASE Thin Walled Steel Booms)

41400-00	TWS TUBE END ADAPTER ASSY - 1.315" TUBE.....
41401-01	ADAPTER COUPLER BODY - TWS x 1 1/4" NPTF.....
41402-V0	TWS BOOM-END FLUSH VALVE - 1.315" OD PIPE - FEMALE, VITON SEALS.....
41403-00	ADAPTER - TWS BEFV TO 1" NPTF.....
41403-V0	ADAPTER KIT - TWS BEFV TO 1" NPTF ADAPTER W/ VITON O-RING.....

- Easy to assemble/disassemble without tools
- Minimize pressure drop with 45 & 90 degree sweep style Inlet Tee fittings
- NPT threads allow components to be used with standard fittings.
 - 1/2" SST thread is compatible with 3/4" NPT
 - 1" SST thread is compatible with 1-1/4" NPT
- Approximate MSRP for tubes and fluid fittings to equip a 100' 5-section spray boom is \$1,500.00 (does not include clamps or nozzle bodies).

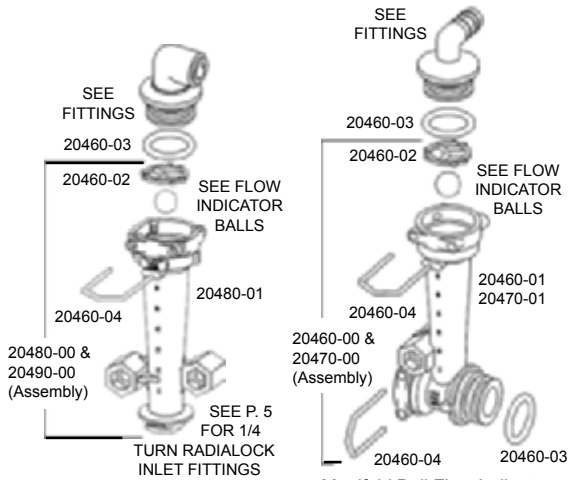
FLOW VIEW™ MODULAR BALL FLOW INDICATORS

Cost effective, modular, flexible configuration ball flow indicators let you see the liquid flow when you can't see the nozzles or outlets

For additional information see publication no. 10205-01



FLOW VIEW MODULAR FLOW INDICATOR ASSEMBLIES



Isolated Feed Ball Flow Indicators (20480-00 & 20490-00) can be used with metering / positive displacement / squeeze pumps where individual line monitoring is required.

Manifold Ball Flow Indicators (20460-00 & 20470-00) are modular and can be assembled into a manifold to feed / monitor multiple lines from a single feed line.

FLOW INDICATOR ASSEMBLIES

MANIFOLD - Includes Body, Ball Retainer, O-Ring, 2 U-clips and green, red, & 1/2" SS balls

20460-00	STANDARD FLOW with BUNA-N O-RING
20460-V0	STANDARD FLOW with VITON O-RING
20470-00	LOW FLOW with BUNA-N O-RING
20470-V0	LOW FLOW with VITON O-RING

ISOLATED FEED - Includes Body, Ball Retainer, 1 U-clip and green, red, & 1/2" SS balls

20480-00	STANDARD FLOW
20490-00	LOW FLOW

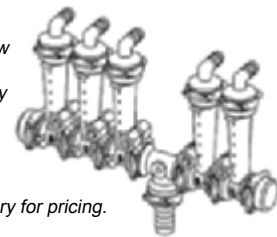
FLOW INDICATOR COMPONENTS

20460-01	FLOW INDICATOR BODY - MANIFOLD - STANDARD FLOW
20470-01	FLOW INDICATOR BODY - MANIFOLD - LOW FLOW
20480-01	FLOW INDICATOR BODY - ISOLATED FEED - STANDARD FLOW
20490-01	FLOW INDICATOR BODY - ISOLATED FEED - LOW FLOW
20460-02	BALL RETAINER
20460-04	LOCK U-CLIP, 302SS
20460-03	O-RING - #212 - BUNA-N (For Indicator Body and Fittings)
20460-15	O-RING - #212 - VITON (For Indicator Body and Fittings)
40225-04	O-RING - #015 - BUNA-N (For Orifice Inserts)
40225-05	O-RING - #015 VITON (For Orifice Inserts)

Example of a Standard or Low Flow Isolated Feed model assembly

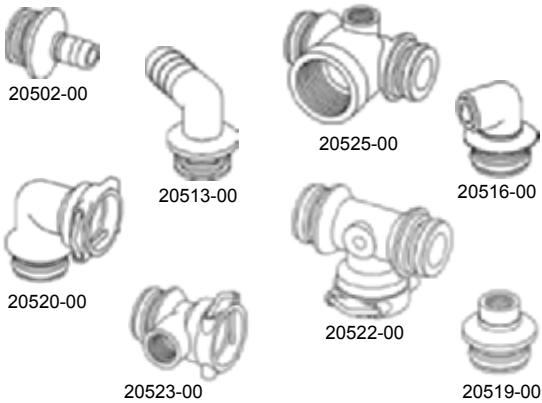


Example of a Standard or Low Flow Manifold model assembly



Flow Indicator assemblies are available. Please consult factory for pricing.

FLOW VIEW O-RING SEAL (ORS) FITTING ASSEMBLIES - includes fitting, seal(s) and / or Locking U-clip



BUNA-N SEAL	VITON SEAL	O-RING SEAL (ORS) FITTING ASSEMBLIES - Includes fitting, seal(s) and U-clip
20501-00	20501-V0	ORS x HOSE SHANK-STRAIGHT - 3/8"
20502-00	20502-V0	ORS x HOSE SHANK-STRAIGHT - 1/2"
20503-00	20503-V0	ORS x HOSE SHANK-STRAIGHT - 3/4"
20511-00	20511-V0	ORS x HOSE SHANK-90 DEGREE - 3/8"
20512-00	20512-V0	ORS x HOSE SHANK-90 DEGREE - 1/2"
20514-00	20514-V0	ORS x HOSE SHANK-90 DEGREE - 5/8"
20513-00	20513-V0	ORS x HOSE SHANK-90 DEGREE - 3/4"
20516-00	20516-V0	ORS MALE x 1/4" PUSH-IN TUBE - 90 DEGREE
20517-00	20517-V0	ORS MALE x 3/8" PUSH-IN TUBE - 90 DEGREE
20518-00	20518-V0	ORS MALE x 1/4" NPTF 90 DEGREE
20519-00	20519-V0	ORS MALE x 1/4" NPTF
20520-00	20520-V0	ORS MALE x ORS FEMALE-90 DEGREE
20522-00	20522-V0	ORS MALE x ORS MALE x ORS FEMALE - TEE
20523-00	20523-V0	ORS MALE x ORS FEMALE(BLIND) X 3/8" NPTF - ISOLATOR TEE
20524-00	20524-V0	ORS MALE x ORS FEMALE X 3/8" NPTF - TEE
20525-00	20525-V0	ORS MALE x ORS MALE X 1" NPT FE- TEE
20526-00	20526-V0	ORS MALE x ORS MALE X ORS FEMALE - TEE with 1/4" NPTF PORT

BUNA-N SEAL VITON SEAL

FLOW VIEW O-RING SEAL (ORS) END CAP ASSEMBLIES - includes fitting and Locking U-clip



O-RING SEAL (ORS) END CAP ASSEMBLIES - Includes fitting and Locking U-clip	
20521-00	ORS CAP
20535-00	FITTING ASSY - ORS FEMALE x 1/4" NPTF
20536-00	FITTING ASSY - ORS FEMALE x 3/8" NPTF
20537-00	FITTING ASSY - ORS FEMALE x 1/2" NPTF

FLOW VIEW FLOW INDICATOR BALLS



	FLOW RATE - USGPM (water)	
	STANDARD	LOW FLOW
20460-13	BALL - FLOW INDICATOR-ORANGE POLYPROP.....	0.05-0.18.....0.03-0.09.....
20460-08	BALL - FLOW INDICATOR-GREEN POLYPROP.....	0.05-0.18.....0.03-0.09.....
20460-07	BALL - FLOW INDICATOR-RED CELCON.....	0.09-0.30.....0.05-0.14.....
20460-06	BALL - FLOW INDICATOR- MAROON GLASS.....	0.31-0.72.....0.10-0.18.....
20460-05	BALL - FLOW INDICATOR-1/2" STAINLESS STEEL 302.....	0.40-1.33.....0.15-0.70.....
20460-10	BALL - FLOW INDICATOR-7/16" STAINLESS STEEL 302.....	1.00-2.70.....N/A.....

FLOW VIEW CHECK VALVES and FLOW METERING ORIFICE PLATES



BUNA-N SEAL	VITON SEAL	BUNA-N SEAL VITON SEAL
21000-00	21000-V0	ORIFICE INSERT ASSY - BLANK
21XXX-00	21XXX-V0	ORIFICE INSERT ASSY - See note below for sizes
24000-00	24000-V0	CHECK VALVE ASSY
24XXX-00	24XXX-V0	ORIFICE INSERT ASSY WITH CHECK VALVE - See note below for sizes

Metering orifices can be inserted in place of the Flow Indicator Ball Retainer and utilized to control flows ranging from 0.004 to 8.0 USGPM. Refer to the Flow Indicator section in the Downloads section of www.wilger.net for an orifice selection chart.

FEATURED NEW PRODUCTS

NEW **Combo-Jet® Hinged Clamp Bodies**

- New Hinged Clamp allows easier installation
- New body allows for the same body nut configurations as with Combo-Rate®
 - Manual On/Off, Diaphragm On/Off Check Valve, Air On/Off, and Blended Pulse (AIM Command/Sharpshooter) style nuts now available.
- Better Chemical Resistant Polypropylene
- Less Expensive than Old Styles
- Part numbers for old style combo-jet bodies will remain. They will be treated as a special order.



NEW **21/32" Inlet - High Flow Combo-Rate® II Two-Way Integrated Bodies**

- New high flow inlets allow for higher flow rates with less pressure drop
- Available on Combo-Rate® II Two-Way Integrated Nozzle Bodies
 - Nozzle body is compatible with all Combo-Rate® turrets and thru/end bodies



NEW **Viton O-ring Offerings**

- Viton O-rings have better chemical resistance than Buna-N O-rings
- Cost of viton is higher, but with better durability
- All products will be available with viton; contact factory for part numbers and pricing

NEW **Tip-Wizard Smartphone Applications**

- Free Tip-Wizard app available for **Apple, Android** and **Blackberry** smartphones and devices
- Access tip-wizard information away from cell service with the off-line tip wizard application
- Downloadable online on our website (www.wilger.net) or from the device app stores.



CUSTOMER GUIDE for Raven SCS Spray Consoles					
Spray Console	Product Capability	Product Forms	Direct Injection	Boom Control	Boom Switches
SCS 440™	1 Product	Liquid, NH3	Yes with Sidekick	3 Boom Sections	Equipped with 3 switches
SCS 450™	1 Product	Liquid, NH3	Yes with Sidekick	6 Boom Sections	Equipped with 6 switches
SCS 460™	1 Product	Liquid, NH3	Yes with Sidekick	7 Boom Sections	Remote switches required
SCS 660™	1 Product	Liquid, Granular, NH3	Yes with Sidekick	7 Boom Sections	Remote switches required
SCS 660M™	1 Product	Liquid, Granular, NH3, Manure	Yes with Sidekick	7 Boom Sections	Equipped with Master switch
SCS 4400™	5 Products: 1 Hardwired, 4 via CANbus addition	Liquid, Granular, NH3	Yes with Sidekick Pro	10 Boom Sections	Equipped with 7 switches
SCS 4600™	5 Products: 1 Hardwired, 4 via CANbus addition	Liquid, Granular, NH3	Yes with Sidekick Pro	10 Boom Sections	Remote switches required
SCS 5000™	5 Products: CANbus equipped	Liquid, Granular, NH3	Yes with Sidekick Pro	10 Boom Sections	Remote switches required &

RAVEN AUTOMATIC SPRAYER CONTROLS

SCS 440 SYSTEMS

SCS 4A4-10WD-60P

**(440 Three Boom Console (GPS Compatible), 22 Ft 2 Piece Cable,
1" Poly Control Valve, Wheel Drive Speed Sensor, RFM60P Flowmeter)**

SCS 4A4-10RR-60P

(Raven Radar instead of Wheel Drive Sensor)

SCS 4A0-10RD-60P

(Dickey-John Radar Adapter Cable instead of Wheel Drive Sensor)

450 SYSTEMS

SCS 4B4-10WD-60P

**(450 Six Boom Console (GPS Compatible), 22 Ft 2 Piece Cable,
1" Poly Control Valve, Wheel Drive Speed Sensor, RFM 60P Flowmeter)**

SCS 4B4-10RR-60P

(Raven Radar instead of Wheel Drive Sensor)

NOTE:

For High Pressure (Steel Control Valve and Stainless Flow Meter),

Add \$525.00 to above List Prices

**Other Speed Sensors and Radar Adapter Cables are also available – Please
Call for Pricing**

RAVEN SPRAYER SYSTEM COMPONENTS

CONSOLES

SCS 330 Three Boom	063-0171-115
SCS 440 GPS Compatible (3 Boom)	063-0171-183
SCS 450 GPS Compatible (6 Boom)	063-0171-220
SCS 460 GPS Compatible (7 Boom)	063-0171-249
SCS 660 GPS Compatible (7 Boom)	063-0171-221
SCS 4400 GPS Compatible (10 Boom)	063-0172-281
SCS 4600 GPS Compatible (6 Boom)	063-0172-343

VALVES

3/4" Poly Control Valve	063-0171-120
1" Poly Control Valve	063-0172-125
1-1/2" Poly Control Valve	063-0171-894
1" Hi-Pressure Steel Control Valve	063-0172-977
1" Hi-Pressure On/Off Valve (NH₃)	063-0172-978
1" Fast Control Valve (NH₃)	063-0172-979
2" S.S. Control (Butterfly) Valve	063-0172-177
2" S.S. On / Off Valve	063-0172-178
Adjust. Hyd. Control Valve (25 gpm)	063-0172-844
Adjust. Hyd. Control Valve (40 gpm)	063-0172-647

FLOWMETERS

RFM 5 (.05 –5 GPM S.S)	063-0159-470
RFM 15 (0.3-15 GPM Poly)	063-0172-040
RFM 60P (1-60 GPM Poly)	063-0171-793
RFM 60S (1-60 GPM Stainless)	063-0171-666
RFM 100 (3-100 GPM Poly)	063-0171-066
RFM 200 (15-200 GPM Poly)	063-0159-751



R.R.# 2, Mount Elgin, Ontario N0J 1N0
Phone: (519) 485-6861
Toll-Free: 1-800-661-5019
Fax: (519) 485-4694
Website: www.greenlea.net

SPEED SENSORS

Wheel Drive Speed Sensor (21 ft.)	063-0159-484
Raven Radar Gun/Cable (Replaces 063-0159-836)	117-0159-822
Radar Interface Cable to D.J. Radar	115-0159-526

FLOW MONITORS

Flow Max 220 W / Display (100 gpm)	063-0172-123
Flow Max 110 Console (w/20' Cables)	063-0171-357
Flow Max 810 Console	063-0171-214
Flow Max 810 Console Cable (3')	115-0159-763
Flow Max 810 Flow Cable (21')	115-0159-762

GRANULAR ENCODERS

Granular Encoder (180 CPR)	063-0171-071
Granular Encoder (36 CPR)	063-0171-114

PRESSURE TRANSDUCER OPTION & MISCELLANEOUS

Pressure Transducer	422-0000-090
Console Cable 10 Foot	115-0171-152
Console Cable 3 Foot	115-0171-153
Sensor Cable 12 Foot	115-0171-151
 Raven 3 Boom Relay Box (to operate motorized boom valves) (not required for 344AEC / BEC Valves and Solenoid DirectoValves)	 063-0159-010

RAVEN CABLES

SCS 330

115-0159-437 Console Flow Control Cable 19'
115-0159-706 Console Flow Control Cable 32'

SCS 440

115-0159-418 Console Control Cable 10'
115-0159-404 Flow Control Cable 6'
115-0159-405 Flow Control Cable 12'

115-0171-085 Console Control Cable 10' (for 055/800 Cable)
115-0171-055 Flow Cable 12' - for Raven Boom Valves
115-0171-800 Flow Cable 12' - for Accu-flow

115-0159-707 Console Control Cable 3'
115-0159-708 Flow Control Cable 24'

SCS 450/460

115-0171-085 Console Control Cable 10'
115-0159-495 Flow Control Cable 6'
115-0159-496 Flow Control Cable 12'
115-0171-129 Flow Cable 12' - for Raven Boom Valves

SCS 660

115-0159-786 Console Control Cable 3'
115-0159-708 Flow Control Cable 24' Liquid Application
115-0159-787 Flow Control Cable 24' Granular Application

SCS 750

115-0159-561 Console Cable 3'
115-0171-213 Boom Control Cable 21'
115-0159-562 Product Cable 21'



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Toll-Free: 1-800-661-5019
Fax: (519) 485-4694
Website: www.greenlea.net

RAVEN EXTENSION CABLES

FLOW METER EXTENSION CABLES

6' Flow Meter Extension Cable	115-0159-016
12' Flow Meter Extension Cable	115-0159-017
24' Flow Meter Extension Cable	115-0159-019

SPEED SENSOR EXTENSION CABLES

12' Speed Sensor Extension Cable	115-0159-032
24' Speed Sensor Extension Cable	115-0159-018

FLOW CONTROL EXTENSION CABLES

12' Flow Extension Cable (SCS 440)	115-0159-409
24' Flow Extension Cable (SCS 440)	115-0159-414
12' Flow Extension Cable (SCS 450)	115-0159-856
24' Flow Extension Cable (SCS 450& 460)	115-0159-857

RAVEN - FLOW MAX

Flow Max 220 (Self Contained Flowmeter With Display)

Part # 063-0172-123
2" FPT/Flanged Plumbing
200 GPM Maximum
US Gallon or Litre Units
6 Digit Digital Display
3.6 Volt AA Replaceable Long Life Battery

Flow Max 110 (Remote Mount Console and Separate Flowmeter)

A. Flow Max 110 Console Assembly (with cables)

Part # 063-0171-357

B. Raven Flow Meter (choose one)

RFM 60P 1 to 60 GPM Flow Rate
(M200 Flanged or 1-1/2" FPT Inlet and Outlet)
Part # 063-0171-793

RFM 100 3 to 100 GPM Flow Rate
(2" Female Pipe Thread Inlet and Outlet)
Part # 063-0171-066

RFM 200 15 to 200 GPM Flow Rate
(3" Female Pipe Thread Inlet and Outlet)
Part # 063-0159-751

ACCU-FLOW SCHEDULE

ACCU-FLOW SYSTEMS - FOR USE WITH RAVEN CONTROL KITS

30 GPM System 063-0171-157 (117-0171-391)

Includes: Cooler, Hand Valve, Y-Strainer, Temperature and Pressure Gauges, Vapour Tubes and all Plumbing. (Does not include Fast On/Off/Control Valve, or Flowmeter).

The above kits are to be used with SCS 440 or SCS 330 Systems with Console, Cables, Fast On/Off Control Valve, Speed Sensor, and RFM Flow Meter.

Example:

440 System / Wheel Drive 4AC-IFWD-60S

440 System / Radar 4AC-IFRR-60S

ACCU-FLOW KITS (TO BE USED WITH EXISTING RAVEN COMPONENTS)

30 GPM System Accu-Flow 117-0171-386

Includes: System 063-0171-157 and RFM 60S Flow Meter, Fast On/Off Control Valve,

The above kits should be used if the customer already has a Raven System on their sprayer. The console, console cable, flow cable and speed sensor from the sprayer system would be utilized.



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Phone: (519) 485-6861
Toll-Free: 1-800-661-5019
Fax: (519) 485-4694
Website: www.greenlea.net

SCS 4400 LIQUID SYSTEM

SCS 4400 Single Product Liquid

063-0172-281	4400 Console
115-0171-299	3 Foot Console Cable
117-0159-822	Raven Radar with Power Cable
115-0171-319	12 Foot Ext Cable
115-0171-313	12 Foot Product Cable
063-0172-125	1" Poly Control Valve
115-0171-151	12 Foot Pressure Sensor Cable
115-0171-152	10 Foot Console Cable For Transducer
422-0000-090	Pressure Transducer
115-0159-017	12 Foot Flow Meter Ext Cable
063-0171-793	60P Flow Meter

Parts Required to add a Raven Injection System are as follows.

Hi Volume Liquid Injection

063-0172-369	Passive Terminator
115-0171-368	Can Adaptor Tee With Power
115-0171-362	Can Cable With Tee
117-0159-984	Motor Control Mounting Kit
117-0171-029	Can Motor Control
063-0172-369	Passive Terminator
063-0172-511	Injection Module 24 Gallon



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Toll-Free: 1-800-661-5019
Fax: (519) 485-4694
Website: www.greenlea.net

SCS 660 GRANULAR SYSTEMS

6A0-PWMRD-180

**660 GPS Compatible Console, PWM Hyd Valve,
Dickey John Radar Adapter Cable**

Parts in this kit include:

063-0171-221

115-0159-786

115-0159-787

PWM Valve - Identify the Gal per Min Required / All the Same Price

115-0159-526

063-0171-071

6A0-PWM-RR-180

660 GPS Compatible Console, PWM Hyd. Valve, Raven Radar

Parts in this kit include:

063-0171-221

115-0159-786

115-0159-787

PWM Valve – Identify the Gal per Min required / All the Same Price

117-0159-822

063-0171-071

**Raven 660 Granular Controller Kits are Also Available with Other Style
Hydraulic Valves – Please Call for Pricing**



The Envizio Pro II™ field computer is the total control package for growers. Fully integrated with GPS-guidance, simple to operate and affordable.

E-Pro II Field Computer Components For a New Leader Spinner Box

<u>Part #'s</u>	<u>Description</u>	<u>Price</u>	<u>QTY</u>
117-5010-001W	E-Pro II Field Computer		1
115-0171-746	Main Power Cable		1
115-0171-745	Auxiliary Cable		1
115-0171-700	Single Product Spinner Cable		1
115-0171-381	Granular Control Cable		1
115-0171-405	Boom Speed Node Cable		1
063-0172-272	Boom Speed Node		1
117-0159-822	Raven Radar Gun		1
063-0173-304	Single Product Node		2
063-0172-369	Raven Terminator		2
063-0159-929	Solenoid Main Power		1
115-0171-364	Can Tee Cable 6"		2
115-0171-368	Can Tee Power Cable		1
115-0171-326	Can Tee Cable 6'		1
117-0159-575	Spinner Speed Sensor		1
063-0171-071	Raven Granular Encoder		1

Total Price

This parts list does not include hydraulic control valves. The existing New Leader Control valves on the machine can be used with this E-Pro system.

Raven Monitor



Part No.	Description
063-0171-183	SCS 440 GPS Compatible (3 Boom)
063-0171-220	SCS 450 GPS Compatible (3 Boom)
063-0171-249	SCS 460 GPS Compatible (3 Boom)
063-0171-221	SCS 660 GPS Compatible (3 Boom)



Part No.	Description
063-0172-281	SCS 4400 GPS Compatible (10 Boom)
063-0172-343	SCS 4600 GPS Compatible (6 Boom)

Envizio Pro II™



Part No.	Description
117-5010-001W	E-Pro II Lightbar With MBA 6 Antenna

Viper Pro™



Part No.	Description
117-0171-112	Viper Pro Kit With Single Product VRA

Switch Pro™



Part No.	Description
Various Kits Available	Switch Pro Console 10 Section

Cruizer II™



Part No.	Description
117-0171-249	Cruizer II Lightbar With Helix Antenna

Raven Replacement Parts



063-0171-793



063-0159-966

Flow Meters

Part No.	Description
063-0159-470	RFM 5 (.05 - 5 GPM S.S.)
063-0172-040	RFM 15 (0.3 - 15 GPM Poly)
063-0171-793	RFM 60P (1 - 60 GPM Poly)
063-0171-666	RFM 60S (1 - 60 GPM S.S.)
063-0171-066	RFM 100P (3 - 100 GPM Poly)
063-0159-751	RFM 200P (15 - 200 GPM Poly)
063-0159-966	RFM 400P (25 - 400 GPM Poly)



063-0172-125



063-0172-177

Control Valve

Part No.	Description
063-0171-120	3/4" Poly
063-0172-125	1" Poly
063-0171-894	1 1/2" Poly
063-0172-977	1" Hi-Pressure Steel
063-0172-978	1" Hi-Pressure On/Off (NH ₃)
063-0172-979	1" Fast (NH ₃)
063-0172-177	2" S.S. (Butterfly)
063-0172-178	2" On/Off
063-0172-844	Adjust. Hyd. (25 gpm)
063-0172-647	Adjust. Hyd. (40 gpm)

Cruizer II™



Simple, affordable guidance made faster and more powerful than ever

Cruizer II™ lets you add all the benefits of an easy-to-use precision guidance system and more to your operation, without pushing your budget off course. Because we removed two of the biggest obstacles—complexity and high cost. Cruizer II also makes it simple for you to grow with more power and capability when you're ready for auto-steering and automatic on-off planter and boom section controls.

High Value Points

Simple in every way. Simple to install. Simple to operate. Simple to understand. And since Cruizer II is surprisingly affordable, you enjoy quick payback through improved efficiency and input savings. Easy installation and operation also gets you in and out of the field in a hurry.

Increasing your mobility and performance. Cruizer II brings greater accuracy and efficiency to a variety of operations—from tillage to seeding to spraying to harvesting. You can also move Cruizer II easily from tractor to tractor, which makes a great "second" guidance unit for equipment and applications that don't require upper-end capability. It even comes with a weather resistant option for open-air cabs.

Less stress and fatigue. Cruizer II's easy to read guidance display means you have one less thing to worry about while you're working. That allows you to concentrate on other things. Add Raven assisted steering and automatic planter and boom section controls to make life simpler still.

Guiding you toward profitability. Cruizer II benefits go straight to your bottom line—especially when you consider its competitive price and quick payback on your investment. With Cruizer II in your cab, you can know more, control more—and make more.

Key Features and Benefits

- Brilliant 5.7" high-resolution touch-screen display features easy to understand icon-based menus, status indicators, and day/night mode for simple operation.
- Simple installation/mounting for hassle-free installation and use with multiple machines.
- Built-in 10 Hz DGPS receiver and external DGPS antenna for accurate sub-meter guidance.
- Integrated lightbar system for added confidence and visual support.
- Enhanced "Last Pass" guidance with automatic correction simplifies contour and irregularly shaped fields and prevents repeating errors.
- Record keeping made simple with file formats for saving, reporting and importing data.
- Straight A-B, Last Pass, Fixed Contour and Pivot field patterns for greater accuracy, speed and convenience.
- Bird's-eye view and downfield 3-D perspective for checking coverage and keeping you on line.
- Simple upgrades for assisted steering and automatic planter and boom section controls for greater precision, savings and performance.
- Digi-Star® scale interface for spreading manure more accurately on fields.
- Optional yield monitoring for recording valuable production data and making better decisions.
- Weather-resistant model available for rain/dust protection in open-cab situations.

SmartSteer™

Portable and affordable assisted steering

Take the stress out of driving and improve your operating efficiency with Raven's SmartSteer™ assisted steering. This affordable, simple-to-install assisted steering system is intelligently designed to keep you on line all day long with convenient hands-free driving—and that's a smart choice in any field.

High Value Points

Superior accuracy by design. SmartSteer's direct gear drive is vastly superior to friction wheel designs found on other steering systems. It eliminates unwanted slippage and pinching for improved accuracy and reliability.

Simply more mobile. SmartSteer is designed to move quickly from one vehicle to the next with a simple transfer kit. You don't even have to take off the steering wheel—and the sensor/control node fits neatly out of the way in any cab.

Peace and quiet. No matter how many hours you spend behind the wheel, you'll appreciate the quiet sound of SmartSteer. Engineered for excellence, it's one of the quietest assisted steering products on the market.

Money in the bank. With faster operating speeds, automatic system calibration, and best-in-class line acquisition, SmartSteer is like money in the bank—and that makes it a smart investment on any farm.



SmartSteer™ assisted steering system

Key Features and Benefits

- .Convenient collar mechanism means you don't have to remove the steering wheel— a welcome feature when moving SmartSteer from one vehicle to the next
- .Quick steering disengagement the moment you take the wheel—no buttons to push or switches to flip
- .Faster operating speeds get you out of the field in record time
- .Direct mechanical gear drive eliminates slippage and delivers more accurate tracking
- .Robust, high-torque motor keeps you on line even as soil conditions change
- .Foot-pedal steering engagement keeps your hands free for other operations
- .Gear design significantly reduces background noise for near-silent running and a better in-cab environment
- .Automated system calibration via a Setup Wizard simplifies startup
- .Compatible with Raven guidance systems and field computers for maximum flexibility and convenience
- .3D terrain compensation to automatically correct for pitch, roll and yaw on uneven terrain



Envizio Pro II™



and

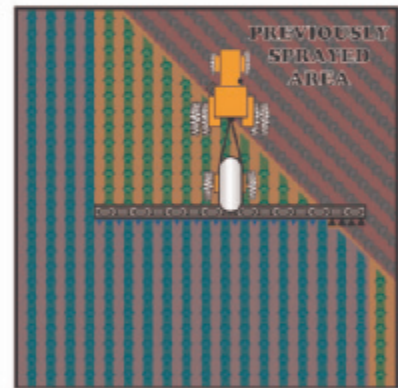
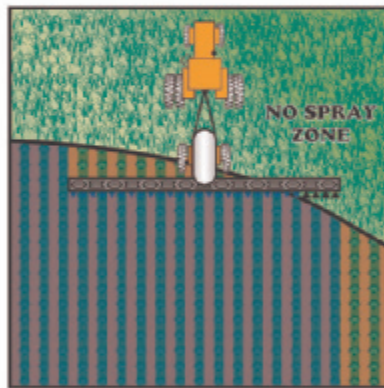
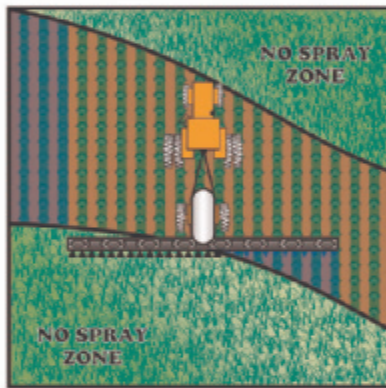
Viper Pro™

Option

AccuBoom™



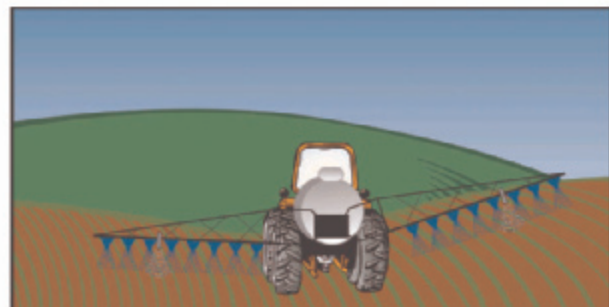
AccuBoom can help eliminate skips and overlaps in your field. By monitoring where the sprayer or spreader has applied, AccuBoom automatically turns boom sections on when raveling into areas that have not been covered. It will also turn boom sections off when encountering previously applied areas or "No Spray Zones" such as waterways.



AutoBoom™



Autoboom allows you to spray faster and more accurately by detecting changes in ground height and adjusting your boom height automatically. Not only can you decrease driver fatigue and wear and tear on your machine, but you increase the accuracy and coverage of the application. It's a simple one-touch operation, allowing you to just sit back and drive.





SmarTrax™



SmarTrax assisted steering lets you redefine the limits — like faster operating speeds and easier, more relaxed driving.

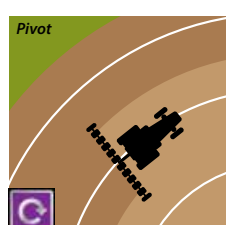
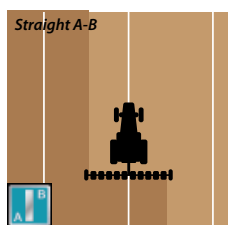
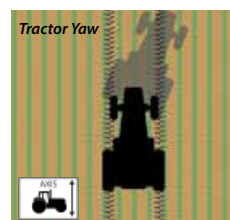
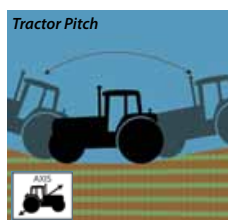
SmarTrax help you cover more ground in less time than you ever imagined. That means more time for other things and less time behind the wheel.

With automatic system calibration, SmarTrax assisted steering saves you time and money right up front. SmarTrax is compatible with all Raven field computers and guidance systems, giving you more opportunities to improve your operating efficiency and performance.

The more acres you farm, the more you'll appreciate SmarTrax assisted steering, carefully designed and engineered to deliver the convenience, reliability and performance only Raven can provide. Across-the-board GPS compatibility, 3D compensation and automatic system calibration make all the difference in the world when your season is on the line.

To better match your driving needs and situation, SmarTrax assisted steering gives you four field patterns to choose from. This simple convenience, in combination with our other customer-based assisted steering solutions, gives you more opportunities to succeed.

Right: SmarTrax offers 3D terrain compensation for maximum accuracy and repeatability, automatically adjusting for tractor roll, pitch and yaw.



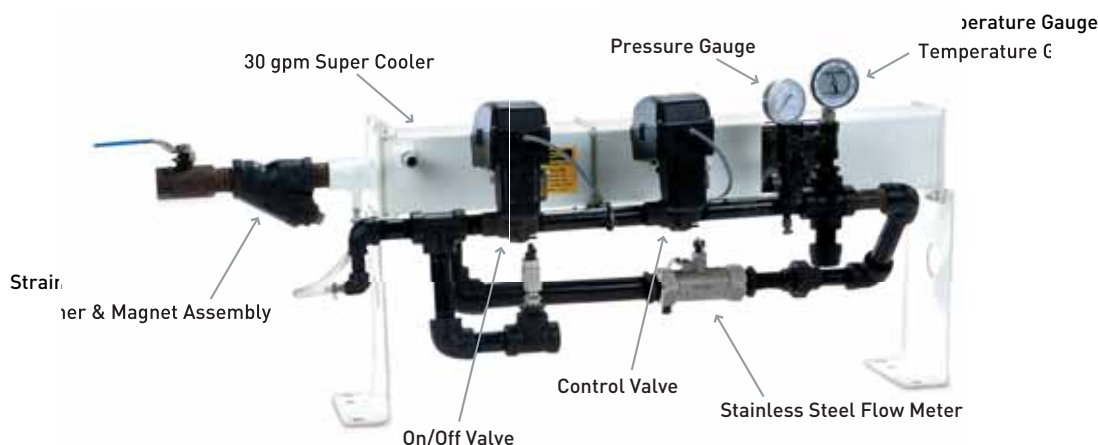
AccuFlow™

Accu-Flow Automatic NH₃ Control System

Trust your systems to Raven. The Raven Accu-Flow system provides the precision application of NH₃ and the versatility your operation needs. Use the Accu-Flow System with Raven's complete line of automatic rate control consoles and have the confidence that your NH₃ is being applied accurately regardless of speed or field conditions. Choose the Accu-Flow Dual Valve system for ultimate accuracy in NH₃ Application.

- > Extremely accurate day in and day out over a wide range of application rates
- > 20 GPM or 30 GPM super cooler
- > Apply in gallons per acre or actual pounds of NH₃ per acre
- > Cooler can be disassembled for easy cleaning and preventative maintenance
- > Single Valve, Dual Valve, and Space Saver plumbing kits available

Accu-Flow Dual Valve System



SCS4000 Series Console

Control up to three products at once - liquid, dry, NH₃ or injection - with this versatile console. The SCS 4000 Series is GPS-ready, accommodates up to 10 booms, and installs with simple in-cab wiring. CANbus technology allows for simple product upgrades.



SCS440

Provides a variety of data including tank volume, total and field area covered, total and field volume applied, vehicle speed, area covered per hour, and volume per minute of the system. GPS compatible for data logging and variable rate applications.



VIPER Precision Farming System

Controls all field applications with VIPER's easy-to-use, 10.5-inch color touch screen system. Benefits include on-screen steering indicators, data logging, single or multi-product VRA, applied maps and application reports.



SCS Sidekick

Don't forget about the easy-to-use Raven SCS-Sidekick for your N-Serve injection needs. Injecting N-Serve is a simple way to stabilize nitrogen and expand the application window. The SCS-Sidekick makes accurate N-Serve injection simple, safe and economical.

R A V E N

Sidekick Pro™

SCS SideKick Direct Injection System

Nobody ever said agriculture was simple. But with the SCS-Sidekick™ on your side, applying chemicals has never been easier. You'll save time and money by reducing chemical waste, and eliminating tank mixing and rinsing. With the Sidekick there is no need for a calculator to figure out how much chemical to add when refilling. Just load chemical into the injection tank, program the rate per acre and spray. The rugged Sidekick system attaches to virtually any sprayer console for instant direct injection capabilities.

SCS Sidekick Console



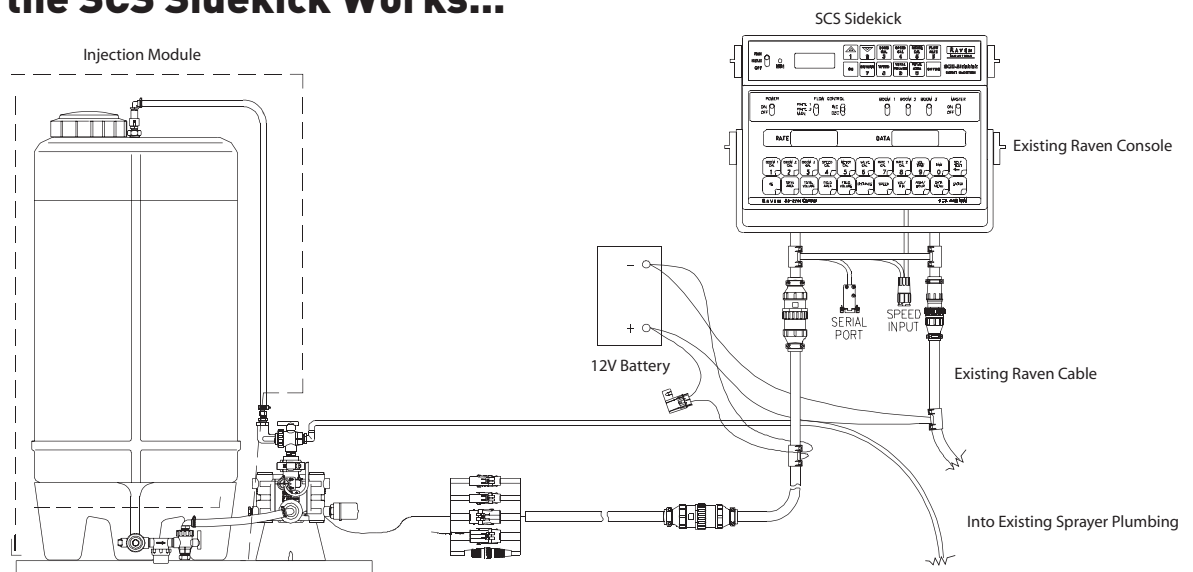
- Direct interface with virtually any control console
- Serial port for GPS compatibility
- Precision control with up to seven boom inputs
- Compact design means extra room in the cab and on the sprayer

SCS Sidekick Module



- High Volume 5-200oz
- Low Volume 1-40oz
- Positive displacement piston pump for fixed displacement
- Pressure side injection makes sure chemical is at the booms when you need it

How the SCS Sidekick Works...



RAVEN

Viper 4 TM



NEW TO THE VIPER 4

- Windows XP embedded operating system
- Increased memory, faster processor
- LastPass 3-D guidance
- SmarTrax/QuickTrax steering option
- Wireless communication option
- On-vehicle weather station option
- GreenSeeker variable rate control interface

WIRELESS CAPABILITY

The Viper 4 is the first-ever guidance system to have wireless capability, giving users many options for integrating real-time, in-field conditions to a desktop or laptop computer wirelessly. One example of this is a weather station mounted on the machine sending real-time weather information, such as temperature and wind speed, via a wireless modem to a computer in the office. The possibilities are endless.



SAME GREAT FEATURES AS BEFORE

- Setup wizard for easy, step-by-step first-time setup
- 5 product variable rate control
- AutoBoom boom height control option
- AccuBoom boom section control option
- Compatible with any GPS system
- User-selectable profiles for different machines.



From seed to blended fertilizer to micro-nutrients, Shur-Lok® is ideal protection when it's crucial that loads stay dry!

- SUPER DUTY SHUR-LOK®
- Aluminium or Stainless End Caps
- Aluminium Latchplate
- Steel Bows and Brackets
- 1" Ridge Strap
- Stretch Cord Return
- 18-Oz. Vinyl-Coated Tarp

Our base-model Shur-Lok® will do the job – and do it well, but if you like to customize, we have many available options and upgrades.



Call For Pricing on These Items

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

Shur-Lok® is the perfect choice for fertilizer tenders and spreaders because corrosion can be a problem. When you upgrade to our stainless steel parts, you get improved rust resistance and a sharper appearance that lasts.

Choose from:

- End Caps
- Pinless Crank Retainers
- 7" Standoffs

For additional durability, we use corrosion-resistant paint on any exposed metal, like weld seams or areas laid bare by cutting or grinding.

Upgrading your Shur-Lok® to an electric system allows you to operate the tarp from the comfort and safety of your cab. It's now available with a remote control [inset], so the operator can open and close the tarp from a distance of 150 feet.

BOX DETAIL SHEET ON REVERSE SIDE.



www.shurco.com

BOX DETAIL SHEET *for* TENDERS *or* SPREADERS

CONTACT INFORMATION

NAME _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 PHONE _____ FAX _____
 BOX/TRAILER MAKE _____

OUTSIDE DIMENSIONS

A _____ UPPER BOX LENGTH
 B _____ UPPER BOX WIDTH
 Front _____ Center _____ Rear _____
 N _____ TOP RAIL WIDTH
 U _____ INSIDE BOX WIDTH
 X _____ BOX HEIGHT

CORNER CONFIGURATION (See Figure 1.)

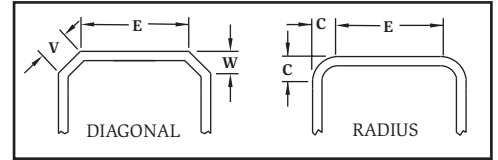
☐ SQUARE ☐ DIAGONAL ☐ RADIUS

C _____ OUTSIDE CORNER RADIUS (Needed on all radius fronts.)
 E _____ FLAT ACROSS FRONT
 V _____ FLAT ACROSS DIAGONAL
 W _____ DIAGONAL DEPTH

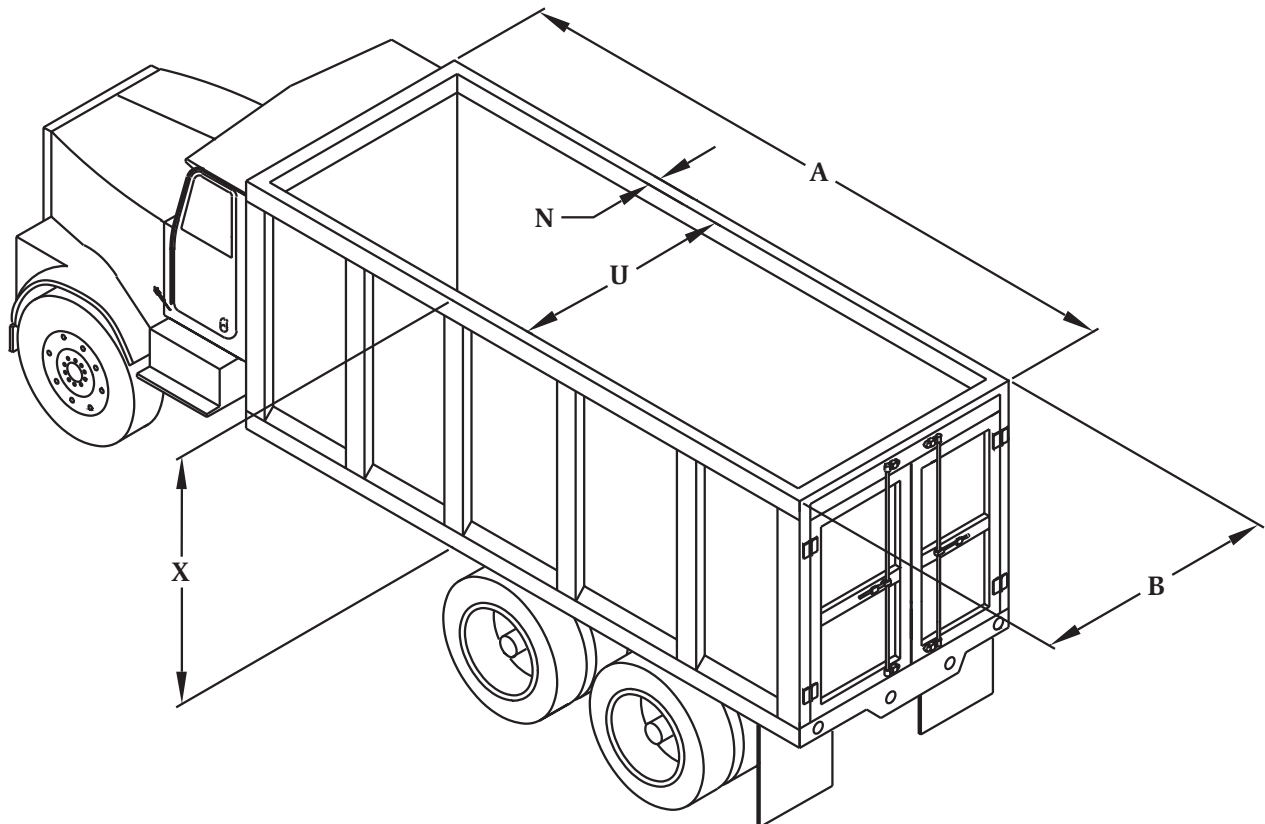
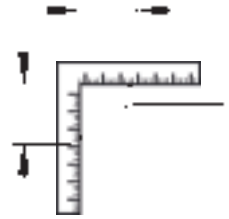
TARP WEIGHT and COLOR(S)

☐ 18 OZ. ☐ 22 OZ. _____

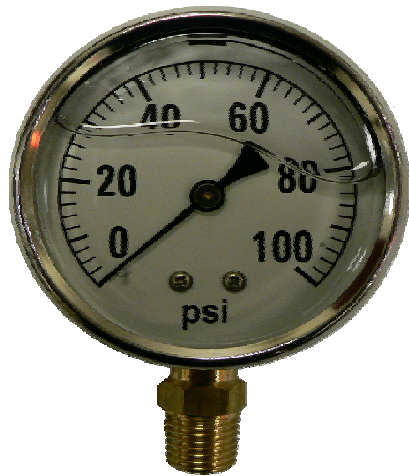
Figure 1



To measure radius corners correctly, place a carpenter's square on the front radius of the trailer. Measure at the point where the radius starts to arch around the front of the trailer.

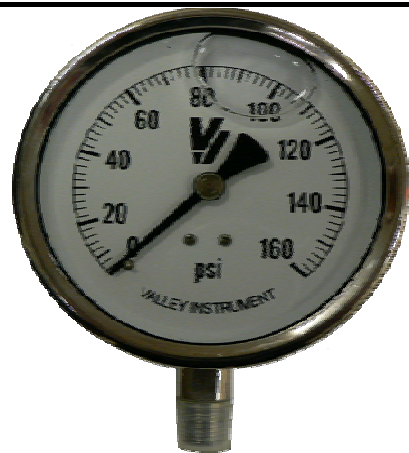


Filled Pressure Gauges (Stainless Steel Case)



Brass Bottom Mount Stem

Part Number	Pressure Reading Range	Face Size	Stem Size	Can. List Price	Bottom mount Stem
806069	0-60, Liquid	2 1/2"	1/4"		Brass
800700	0-100, Liquid	2 1/2"	1/4"		Brass
800526	0-200, Liquid	2 1/2"	1/4"		Brass



Stainless Steel Bottom Mount Stem

Part Number	Pressure Reading Range	Face Size	Stem Size	Can. List Price	Bottom mount Stem
802275	0-160, Liquid	2 1/2"	1/4"		S.S.
802276	0-160, Liquid	4"	1/4"		S.S.

Other Pressure Range Gauges available on Request.



HAS

HAS GEAR CLAMPS

Not recommended for underground applications.
5/16" HEX slotted 305 stainless steel screw.
1/2" 301 stainless steel band.
301 stainless steel housing

Parts No.	STD Pkg	Bulk Pkg	Min.	Size Range		Max	Ref.	Price
				Nom.				
816004	10	500	7/16	1/2		1	8	
816030	10	500	9/16	3/4		1-1/4	12	
816006	10	500	11/16	1		1-1/2	16	
816032	10	500	3/4	1-1/4		1-3/4	20	
816008	10	500	1-1/16	1-1/2		2	24	
816010	10	400	1-9/16	2		2-1/2	32	
816011	10	400	2-1/16	2-1/2		3	40	
816005	10	300	2-13/16	3-1/4		3-3/4	52	
816012	10	100	2-1/2	3-1/2		4-1/2	64	
816013	10	100	3	4		5	72	
816014	10	100	4-1/2	6		6-1/2	96	
816015	1	100	6-1/2	8		8-1/2	128	



MAH-6

MAH GEAR CLAMPS

Recommended for underground applications.
1/4" slotted HEX head screw & 5/16" wide band
301 stainless steel band & housing.
410 stainless steel screw.

Parts No.	STD Pkg	Bulk Pkg	Min.	Size Range		Max	Ref.	Price
				Nom.				
816026	10	1000	7/32	7/16		5/8	4	
816002	10	1000	5/16	5/8		7/8	6	



STAINLESS STEEL T-BOLT CLAMPS

TBOLTS

Size Range Inches & centimeters

Parts No.	From		To		Price
	IN.	CM.	IN.	CM.	
816050	1-5/32	29	1-7/32	31	
816054	1-9/32	33	1-12/32	35	
816055	1-13/32	36	1-17/32	40	
816019	1-23/32	44	1-27/32	47	
816051	1-28/32	48	2	51	
816052	2-2/32	52	2-5/32	55	
816025	2-7/32	57	2-10/32	59	
816056	2-11/32	60	2-15/32	63	
816018	2-17/32	64	2-20/32	67	
816058	2-22/32	68	2-28/32	73	
816053	2-29/32	74	3-3/32	79	
816057	3-5/32	80	3-10/32	85	
816020	3-12/32	86	3-18/32	91	
816023	3-20/32	92	3-26/32	97	
816021	3-27/32	98	4-2/32	103	
816022	4-3/32	104	4-12/32	111	
816024	4-14/32	113	4-24/32	121	



CLEAR PVC TUBING - FOOD GRADE

Application: For handling beverages, food stuffs and liquids where clarity, flexibility and a food grade compound are required.

Construction: Tube - Crystal clear non-toxic, odourless & taste free PVC compound manufactured in compliance with applicable FDA requirements.
Cover - Food grade crystal clear PVC

Temperature Range: -4C to +65C (+25F to +150F)

Standard Lengths: 1/8" to 1" 100ft
1-1/4" to 2" 50ft



Parts No.	I.D. Inches	O.D. Inches	Wall Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Price Per Ft.
814000	1/4	1/2	1/8	60	.080	
814039	3/8	5/8	1/8	55	.107	
814004	1/2	3/4	1/8	45	.134	
814074	5/8	7/8	1/8	40	.161	
814007	3/4	1	1/8	35	.188	
814016	1	1-1/4	1/8	25	.241	
814049	1-1/4	1-1/2	1/8	20	.296	
814044	1-1/2	1-7/8	3/16	30	.542	
814045	2	2-1/2	1/4	35	.964	

Food Handling Hose



CLEAR REINFORCED PVC FOOD GRADE

Application: Air drinking water, mild chemicals & alkalis. NSF-51 approved.

Construction: Tube - Clear smooth PVC
Reinforcement - High tensile synthetic braid
Cover - Clear smooth PVC

Temperature Range:

-4C to +65C (+25F to +150F)

Standard Lengths:

1/4", 3/8", 1/2" 50ft - 100ft - 300ft COILS & 500ft REELS
3/4" 50ft - 100ft - 200ft COILS & 500ft REELS
1" 50ft - 100ft - 200ft COILS & 300ft REELS
1-1/4", 1-1/2" 50ft - 100ft COILS



Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Can. Price Per. Ft.
814053	1/4	0.438	250	0.06	
814051	3/8	0.594	225	0.09	
814043	1/2	0.75	200	0.15	
814008	3/4	1.031	150	0.22	
814041	1	1.3	125	0.3	
814075	1-1/4	1.62	100	0.45	
814047	1-1/2	1.938	100	0.64	

10% Price Discount at 100 Feet

Food Handling Hose

GREEN LEA

AG CENTER INC.

CONTRACTORS WATER DISCHARGE LONG LENGTH**Application:** For use on construction sites and general water service.**Construction:** Tube - Black EPDM

Reinforcement - Multiple spirals of synthetic yarn.

Cover - Black smooth EPDM

Temperature Range: -40C to +93C (-40F to +200F)

Standard Lengths:

1/2" to 1"	25ft multiples & 700ft reels
1-1/4"	25ft multiples & 550ft reels
1-1/2"	25ft multiples & 400ft reels



Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Can. Price Per. Ft.
814085	1/4	0.5	200	0.08	
814014	1/2	0.88	300	0.24	
814009	3/4	1.16	300	0.4	
814056	1	1.43	200	0.49	
814052	1-1/4	1.78	150	0.79	
814026	1-1/2	2.03	150	0.9	

10% Price Discount at 100 Feet

Water Discharge



PVC WATER SUCTION & DISCHARGE

Application: For construction pumps, septic tank & marine pump out service, mining & quarry use. PVC is resistant to some chemicals, acids & alkalis. Suitable for full vacuum.

Construction: Tube - Smc Clear PVC
Reinforcement - Green PVC Helix. Cover - Clear PVC with excellent weather & abrasion resistance.

Temperature Range: -20C to + 70C (-4F to +150F)

Standard Lengths: 1" - 4" 100ft cut to multiples of 5ft at no charge.



Water Suction

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating	Bend Radius inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Can. Price Per. Ft.
814012	3/4	1.01	28	3	110	0.19	
814050	1	1.26	28	3	85	0.26	
814030	1-1/4	1.56	28	4	85	0.35	
814028	1-1/2	1.83	28	5	70	0.48	
814033	2	2.32	28	7	65	0.66	
814036	3	3.43	28	10	65	1.24	
814037	4	4.5	28	15	55	1.85	

10% Price Discount at 100 Feet



RUBBER WATER SUCTION & DISCHARGE

Application:

A heavy duty rubber suction hose for construction, quarries & General use. Suitable for full vacuum

Construction:

Tube - Smooth black synthetic rubber.

Reinforcement - Textile reinforced with heavy wire.

Cover - Black smooth abrasion resistant synthetic rubber.

Branding - Unbranded

Temperature Range:

-32C to 82C (-25F to +180F)

Standard Lengths:

3/4" to 4"

100ft cut to multiples of 5ft at no charge



Water Suction

Parts No.	I.D. Inches	O.D. Inches	Bend Radius inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Can. Price Per. Ft.
814027	1-1/2	1.97	12	100	0.87	
814032	2	2.45	16	100	1.12	
814035	3	3.5	27	100	1.84	
814055	4	4.59	36	75	3.43	

10% Price Discount at 100 Feet



AG CENTER INC.

INDUSTRIAL HOSE

Water Discharge

BLUE PVC LAYFLAT

Application:

A light weight duty hose for portable pump and irrigation use. Hose folds flat for ease of coiling & handing. Designed for open end discharge only.

Construction:

Tube - Blue PVC impregnation.

Reinforcement - Woven high tensile synthetic yarn.

Cover - Blue PVC impregnation

Temperature Range:

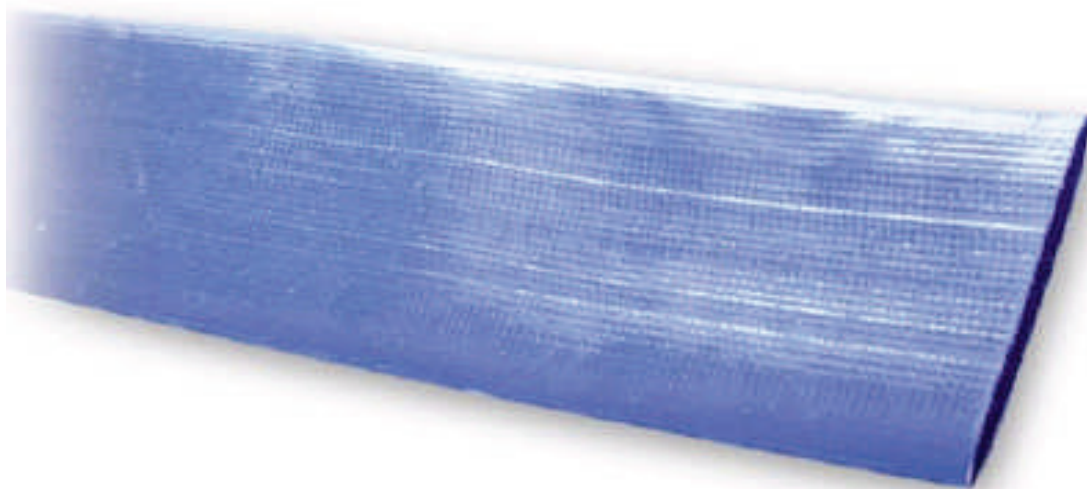
- 21C To + 54C (-5F To + 130F)

Standard Lengths:

Multiples of 25ft to 300ft maximum

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.	Can. Price Per. Ft.
814029	2	2.21	70	0.24	
814082	3	3.20	55	0.36	

"10% Price Discount at 100 Feet"



Safety Decals

ANHYDROUS AMMONIA, INHALATION HAZARD

Part No.
819521

Size
11" X 25"

Slow Moving Vehicle Decal



Part No.
819500

3 Part Caution Decal



Part No.
819506

White Placard Decal



Part No.
819520

User WHMIS Decal



Part No.
819510

Supplier WHMIS Decal



Part No.
819509

Safety Transfer Decal



Part No.
819514

Valve ID Set



Part No.
819517

Water Can, Safety Container & Accessories

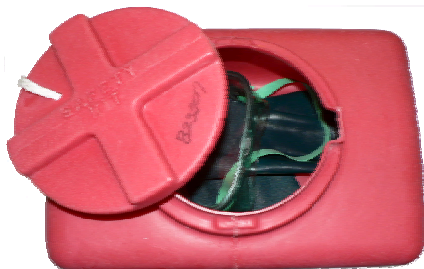
Water CanPVC



- Accessible from both sides.
- Screw-on lid prevents water contamination
- Durable, heavy-duty plastic
- Withstands extreme heat and cold
- Secured with straps
- Lip prevents straps from sliding off.
- Replaceable hose barbs
- Easy to mount on anhydrous tanks
- Exceeds OSHA requirements.
- Over 6 gallon capacity

Part No. 823509

Safety Container



Gloves and goggles extra

Part No. 823507

PVC Apron



Part No. 823540

Googles



Part No. 823503

Anhydrous Ammonia PVC Gloves



Part No. 823517

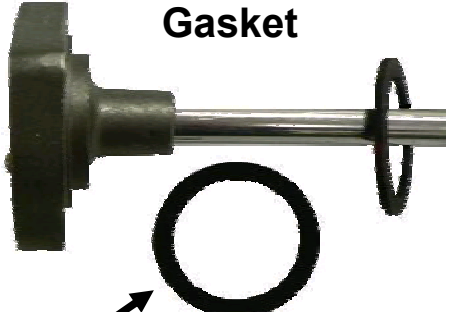
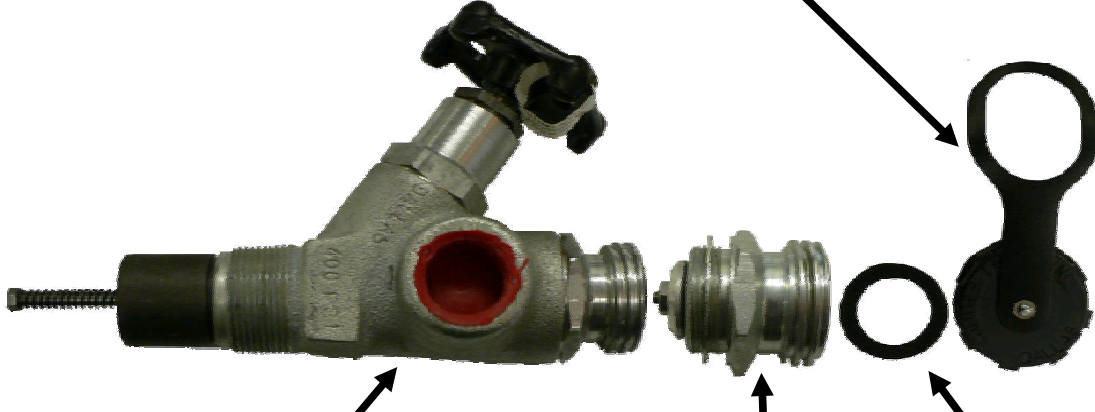
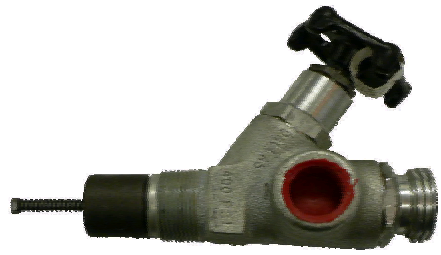
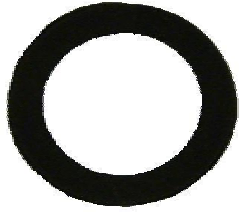
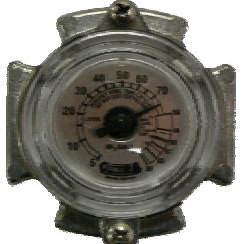
Nitrile Gloves



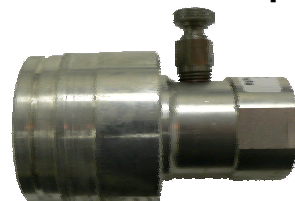
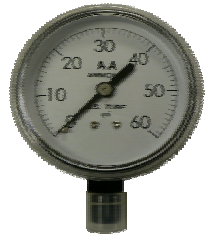
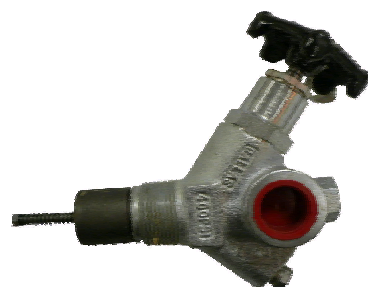
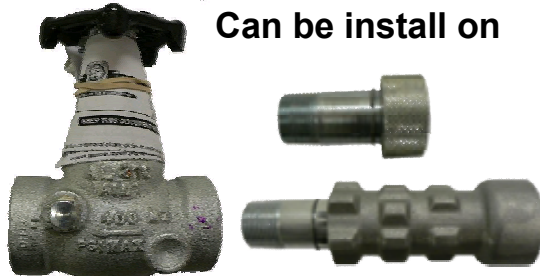
Part No. 823534 8.5" large

Part No. 823535 9.5" XL Large

Ammonia Valves and Accessories

Gasket  Part No. 800021	Top Mount Float Gauge  Part No. AA214E	
85% Fixed Level Gauge  Part No. A1910	2-1/4 Acme Dust Cap  Part No. A2080C	Rubber Dust Cap  Part No. 800016
		
NH3 Combination Valve  Part No. A1592P	NH3 Upper Assy.  Part No. 800002	NH3 Valve Gasket  Part No. 800003
Float Dial Gauge  Part No. 800206	Float Dial Gauge  Part No. 800035	1 1/4" Relief Valve  Part No. A1310A

Ammonia Valves and Accessories

3/4" Relief Valve  Part No. A1301A	1/4" Bleed Valve  Part No. A1911	Male Quick Coupler  Part No. 800190	Female Quick Coupler  Part No. 800195 Both Male & Female parts sold together: NH3 Safety Coupler - Part No 800192
1" Angle Valve  Part No. AL311P	1" Globe Valve  Part No. AL310P	NH₃ Pressure Gauges 2.5"  Dry Part No Pressure Range 800200 0-60 psi 800209 0-150 psi 800019 0-400 psi  Liquid Part No Pressure Range 800024 0-400 psi	
1" Valve Repair Kit  Part No. 310-22		NH₃ Liquid Withdrawal Valve W / Relief  Part No. A1597R	NH₃ Liquid Withdrawal Valve  Part No. A1598P
Can be install on 		1" Speed Drive Coupling  Part No. A1131F	1" Filler Coupling  Part No. A1151F

Polypropylene Bolted Ball Valves



FEATURES

- FKM (viton type) seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Stainless steel bolts.

4 BOLT VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
V050	1/2" Full Port Valve	150	1/2"	3/4"	
V075	3/4" Full Port Valve	150	3/4"	3/4"	
V100	1" Standard Port Valve	150	1"	3/4"	
V100FP	1" Full Port Valve	150	1"	1"	
V125	1 1/4" Standard Port Valve	150	1 1/4"	1"	
V125FP	1 1/4" Full Port Valve	150	1 1/4"	1 1/2"	
V150	1 1/2" Full Port Valve	150	1 1/2"	1 1/2"	
V200	2" Standard Port Valve	150	2"	1 1/2"	

FEATURES FOR LOCKING DEVICE

- 304 Stainless steel construction.
- Installs under valve handle.
- Comes complete with handle and locking device.
- Padlock not included*

LOCKING DEVICE			
PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
VL20153*	Locking Device	V125FP, V150 & V200	

FEATURES FOR MOUNTING BRACKETS

- 316 Stainless steel construction.
- Straight and 90° available.

MOUNTING BRACKETS			
PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
V10270	Straight Mounting Bracket	V100FP & V125	
V10271	90° Mounting Bracket	V100FP & V125	
V25270	Straight Mounting Bracket	V150 & V200	
V25271	90° Mounting Bracket	V150 & V200	

FEATURES FOR REMOVABLE HANDLE KIT

- Removable handle deters opening the valve for safety, vandalism and theft.

REMOVABLE HANDLE KIT			
PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
VRH200K	Removable Handle Kit	V125FP, V150 & V200	

FEATURES FOR HANDLE RISERS

- Allows extra clearance between handle and body for tight spaces.

HANDLE RISERS			
PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
V10153138BL	1" x 1 3/8" Handle Offset	V075BL & V100BL	
V10153138	1" x 1 3/8" Handle Offset	V100FP, V125, V075SL & V100SL	
V20153138BL	2" x 1 3/8" Handle Offset	V125BL & V150BL	
V20153138	2" x 1 3/8" Handle Offset	V125FP, V150, V200 V125SL, V150SL	
V25153138BL	2" FP x 1 3/8" Handle Offset	MV200BL, MV220BL & MV300BL	
V25153138	2" FP x 1 3/8" Handle Offset	V200FP & V200SL	



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Polypropylene Bolted Ball Valves



FEATURES

- FKM (viton type) seals.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Precision molded in polypropylene.
- Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation.
- Valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- Stainless steel bolts.

6 BOLT VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
V200FP	2" Full Port Valve	150	2"	2"	
V300	3" Standard Port Valve	100	3"	2½"	
V300FP	3" Full Port Valve	100	3"	3"	
V400	4" Standard Port Valve	75	4"	3½"	

6 BOLT VALVES w/ "F" ADAPTER

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VFMT200FP	2" Full Port Valve w/ "F" Adapter	150	2"	2"	
VFMT200FPSH	2" Full Port Valve w/ "F" Adapter	150	2"	2"	

FEATURES FOR LOCKING HANDLE

- Stainless steel hardware.
- Locks in open and closed positions.
- Locking handle replaces standard handle.**
- Padlock not included.*

LOCKING HANDLE FEATURES

PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
VL25153*	Locking Handle	V200FP, V300, V300FP, V400 VFMT200FP & VFMT200FPSH	

**Sold separately.

FEATURES FOR MOUNTING BRACKETS

- 316 Stainless steel construction.
- Straight and 90° available.

MOUNTING BRACKETS

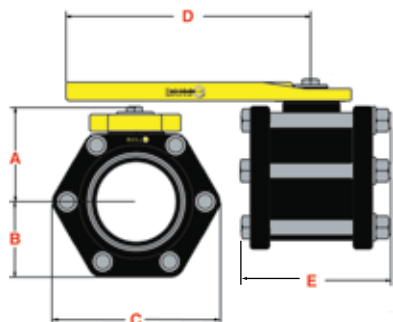
PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
V25270	Straight Mounting Bracket	V200FP, V300, V300FP, V400 VFMT200FP & VFMT200FPSH	
V25271	90° Mounting Bracket	V200FP, V300, V300FP, V400 VFMT200FP & VFMT200FPSH	

FEATURES FOR REMOVABLE HANDLE KIT

- Removable handle deters opening the valve for safety, vandalism and theft.

REMOVABLE HANDLE KIT

PART NO	DESCRIPTION	VALVE USED	CAN. PRICE
VRH220K	Removable Handle Kit	V200FP, V300 & V300FP	



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V25270



V25271



VRH220K



DIMENSION CHART IN INCHES (REFER TO DRAWING ON LEFT)

PART NO	DESCRIPTION	A	B	C	D	E
V200FP	Full Port Valve	3.25	2.38	5.44	9.25	5.50
V300	Standard Port Valve	3.53	2.69	6.28	9.25	6.06
V300FP	Full Port Valve	4.25	3.25	7.35	9.25	6.40
V400	Standard Port Valve	4.50	3.60	8.19	9.25	7.88
VFMT200FP	Full Port Valve	3.38	2.38	5.44	9.25	8.30
VFMT200FPSH	Full Port Valve	3.38	2.38	5.44	5.25	8.30

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2" Standard Port Ball Valves "Stubby Valve"™



FEATURES

- Stainless steel bolts.
- Glass filled polypropylene.
- Multiple design options.
- Unique patented compact design.
- Lightweight.
- Maximum operating pressure 100 P.S.I. @ 70°F & 75 P.S.I. @ 150°F.
- All PTFE seals



VSF200



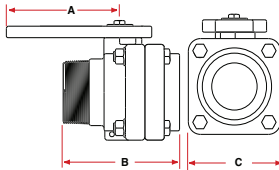
VSMT200



VSFMT200



VSFHB200



DIMENSION CHART IN INCHES (REFER TO DRAWING ABOVE)					
PART NO	DESCRIPTION	A	B	C	
VSF200	2" Male Adapter x 2" Female NPT	4.38	4.72	3.56	
VSMT200	2" Male NPT x 2" Female NPT	4.38	4.50	3.56	
VSFMT200	2" Male Adapter x 2" Male NPT	4.38	5.88	3.56	
VSFHB200	2" Male Adapter x 2" Hose Barb	4.38	6.90	3.56	

2" STANDARD PORT STUBBY VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSF200	2" Male Adapter x 2" Female NPT	100	2"	1½"	
VSMT200	2" Male NPT x 2" Female NPT	100	2"	1½"	
VSFMT200	2" Male Adapter x 2" Male NPT	100	2"	1½"	
VSFHB200	2" Male Adapter x 2" Hose Barb	100	2"	1½"	

2" Full Port Ball Valves "Stubby Valve"™

FEATURES

- Stainless steel bolts.
- 100% PTFE ball seats.
- Glass-filled polypropylene.
- FKM (viton type) body seals.
- Unique compact design.
- 100 P.S.I. @ 70°F and 75 P.S.I. @ 150°F.
- Lightweight.



VSMT204FP



VSF204FP



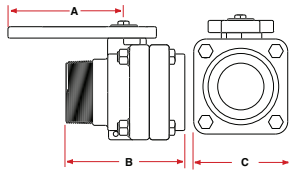
VS204FP



VSFMT204FP



VSFMT204HSFP



DIMENSION CHART IN INCHES (REFER TO DRAWING ABOVE)					
PART NO	DESCRIPTION	A	B	C	
VSMT204FP	2" Male NPT x 2" Female NPT	6.38	5.72	4.25	
VSMT204HSFP	2" Male Adapter x 2" Male NPT w/ SS Ball, Stem & handle.	5.94	6.50	4.25	
VSF204FP	2" Male Adapter x 2" Female NPT	6.38	5.91	4.25	
VS204FP	2" Female NPT x 2" Female NPT	6.38	5.19	4.25	
VSFMT204FP	2" Male Adapter x 2" Male NPT	6.38	6.50	4.25	

2" FULL PORT STUBBY VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSMT204FP	2" Male NPT x 2" Female NPT	100	2"	2"	
VSF204FP	2" Male Adapter x 2" Female NPT	100	2"	2"	
VS204FP	2" Female NPT x 2" Female NPT	100	2"	2"	
VSFMT204FP	2" Male Adapter x 2" Male NPT	100	2"	2"	
VSFMT204HSFP	2" FP Male Adapter x 2" Male NPT w/ SS Ball, Stem & Handle	100	2"	2"	

FEATURES

- Stainless steel bolts.
- Glass filled polypropylene.
- FKM (viton type) body seals.
- Three design options for standard and one for full port.
- Unique patented compact design.
- 100 P.S.I. @ 70°F and 75 P.S.I. @ 150°F.
- Lightweight.
- All PTFE ball seats.

3" Standard & Full Port Ball Valves "3" Stubby Valve"™



VSMT300



VSF300



VSFMT300



VSFMT300FP

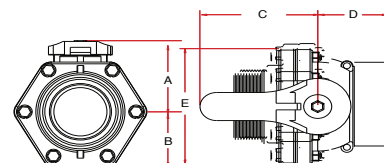
3" STANDARD PORT STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSMT300	3" Female NPT x 3" Male NPT	100	3"	2½"	
VSF300	3" Female NPT x 3" Male Adapter	100	3"	2½"	
VSFMT300	3" Male NPT x 3" Male Adapter	100	3"	2½"	

3" FULL PORT PORT STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSFMT300FP	3" FP Male Adapter x 3" Male NPT	100	3"	3"	



VSFMT300HSFP

3" FULL PORT STUBBY VALVES w/SS					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSFMT300HSFP	3" FP Male Adapter x 3" Male NPT w/SS ball, Stem & Handle	100	3"	3"	



DIMENSION CHART IN INCHES (REFER TO DRAWING ABOVE)					
PART NO	DESCRIPTION	A	B	C*	D E
VSMT300	3" Female NPT x 3" Male NPT	3.63	2.84	5.25/9.25	4.60 5.09
VSF300	3" Female NPT x 3" Male Adapter	3.63	2.84	5.25/9.25	4.60 5.65
VSFMT300	3" Male NPT x 3" Male Adapter	3.63	2.84	5.25/9.25	4.60 7.84
VSFMT300FP	3" FP Male Adapter x 3" Male NPT	9.25	8.19	7.31	0.91 7.34
VSFMT300HSFP	3" FP Male Adapter x 3" Male NPT w/SS ball, Stem & Handle	9.88	8.19	7.31	0.88 7.31

*Short handles: Add SH to end of part n

FEATURES

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks, etc.
- Angled end flange with 8" long polypropylene fill spout.
- All stainless bolts.

Polypropylene Nozzle Valves



1 1/2" & 2" POLY NOZZLE VALVES W/90° ELBOW					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT
VA150	1 1/2" Nozzle Valve w/90° Elbow	150	1 1/2" x 8"	1 1/2"	1 1/2"
VA200/150	2" x 1 1/2" Nozzle Valve w/90° Elbow	150	1 1/2" x 8"	1 1/2"	2" x 1 1/2"
VA200	2" Nozzle Valve w/90° Elbow	150	2" x 8"	1 1/2"	2"
VA200FP	2" FP Nozzle Valve w/90° Elbow	150	2" x 8"	2"	2"

1" POLY NOZZLE VALVES W/45° ELBOW					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT
VA100	1" Nozzle Valve w/45° Elbow	150	1"	3/4"	1"
UVA100FP	1" FP EPDM Nozzle Valve w/45° Elbow	100	1"	1"	1"

Single Union Polypropylene Ball Valve

FEATURES

- Precision molded in glass reinforced polypropylene, for strength and chemical resistance.
- PTFE seats for smooth operation and proper sealing characteristics.
- EPDM O-rings to handle most fertilizers and many chemicals.
- Double O-rings in stem area for extra sealing protection.
- Interlocking body and end plate to allow easy thread connection when installing valves.
- Maximum operating pressure 100 P.S.I. at 70°F.



SINGLE UNION POLY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN.PRICE
SUV050FP	1/2" Full Port Union Valve	100	1/2"	1/2"	
SUV075FP	3/4" Full Port Union Valve	100	3/4"	3/4"	
SUV100FP	1" Full Port Union Valve	100	1"	1"	
SUV125FP	1 1/4" Full Port Union Valve	100	1 1/4"	1 1/4"	
SUV150FP	1 1/2" Full Port Union Valve	100	1 1/2"	1 1/2"	
SUV200FP	2" Full Port Union Valve	100	2"	2"	

3-Way Poly Ball Valves

FEATURES

- Stainless steel bolts.
- Precision molded in polypropylene. Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- PTFE self-lubricating stem bushings and seats.
- Maximum operating pressure 100 P.S.I.
- FKM (viton type) seats.

3" WAY BOTTOM LOAD VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE
V075BL	3/4" 3-Way Bottom Load Poly Valve	100	3/4"	1"	T
V100BL	1" 3-Way Bottom Load Poly Valve	100	1"	1"	T
V125BL	1 1/4" 3-Way Bottom Load Poly Valve	100	1 1/4"	1 1/2"	T
V150BL	1 1/2" 3-Way Bottom Load Poly Valve	100	1 1/2"	1 1/2"	T
V200BL	2" 3-Way Bottom Load Poly Valve	100	2"	2"	Straight
VT200BL	2" 3-Way Bottom Load Poly Valve	100	2"	2"	T



V075BL
V100BL

V125BL
V150BL

V200BL

BOTTOM LOAD : Directional flow, right or left. Valve can be turned off to stop flow.

3" WAY SIDE LOAD VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE
V075SL	3/4" 3-Way Side Load Poly Valve	100	3/4"	1"	Straight
V100SL	1" 3-Way Side Load Poly Valve	100	1"	1"	Straight
VT100SL	1" 3-Way Side Load Poly Valve	100	1"	1"	T
V125SL	1 1/4" 3-Way Side Load Poly Valve	100	1 1/4"	1 1/2"	T
V150SL	1 1/2" 3-Way Side Load Poly Valve	100	1 1/2"	1 1/2"	T
V200SL	2" 3-Way Side Load Poly Valve	100	2"	2"	Straight
VT200SL	2" 3-Way Side Load Poly Valve	100	2"	2"	T



V075SL
V100SL

V125SL
V150SL

V200SL
VT200SL

SIDE LOAD : Directional flow, right or left. Valve cannot be turned off.

Manifold Valves

2" Standard Port Manifold "Stubby" Valve

PATENTED

FEATURES

- Stainless steel bolts.
- Glass filled polypropylene.
- Multiple design options.
- Unique patented compact design.
- Lightweight.
- Maximum operating pressure 100 P.S.I. @ 70°F. 75 P.S.I. @ 150°F.



2" MANIFOLD STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
VSMT200CF	2" Flange x 2" Male NPT	100	2"	1½"	
VSF200CF	2" Flange x 2" Male Adapter	100	2"	1½"	



VSMT200CF



VSF200CF

Manifold Valves

2" Full Port Manifold "Stubby" Valve



MVS220FP

MVS220CF

MVSF220FP

MVSMT220FP

MVSMT220HSFP

MVS220HSFP

MVSF220HSFP

2" FULL PORT MANIFOLD STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
MVS220FP	2" FP Flange x 2" Female NPT	100	2"	2"	
MVSF220FP	2" FP Flange x 2" Male Adapter	100	2"	2"	
MVS220CF	2" FP Flange x 2" FP Flange	100	2"	2"	
MVSMT220FP	2" FP Flange x 2" Male NPT	100	2"	2"	

2" FULL PORT MANIFOLD STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
MVS220HSFP	2" FP Flange x 2" FP Flange w/ SS Ball, Stem & Handle	100	2"	2"	
MVSF220HSFP	2" FP Flange x 2" Male NPT w/ SS Ball, Stem & Handle	100	2"	2"	
MVSMT220HSFP	2" FP NPT x 2" Male Flange w/SS Ball, Stem & Handle	100	2"	2"	



Manifold Valves

3" Manifold "Stubby" Valve

PATENTED

FEATURES

- Stainless steel bolts.
- Glass filled polypropylene.
- Multiple design options.
- Unique patented compact design.
- Lightweight.
- Maximum operating pressure 100 P.S.I. @ 70°F. 75 P.S.I. @ 150°F.

3" MANIFOLD STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
MVSF300	3" Flange x 3" Male Adapter	100	3"	2½"	
MVSF300FP	3" Full Port Flange x 3" Male Adapter	100	3"	3"	
MVSMT300	3" Flange x 3" Male NPT	100	3"	2½"	
MVS300CF	3" Flange x 3" Flange	100	3"	2½"	
MVS300CFFP	3" Full Port Flange x 3" Full Port Flange	100	3"	3"	



MVSF300



MVSF300FP



MVSMT300



MVS300CF



MVS300CFFP

3" FULL PORT MANIFOLD STUBBY VALVES					
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	CAN. PRICE
MVS300HSFP	3" FP Flange x 3" FP Flange w/SS Ball, Stem & Handle	100	3"	3"	
MVSF300HSFP	3" FP Flange x 3" Male Adapter w/SS Ball, Stem & Handle	100	3"	3"	
MVSMT300HSFP	3" FP Flange x 3" Male NPT w/SS Ball, Stem & Handle	100	3"	3"	



MVS300HSFP



MVSF300HSFP



MVSMT300HSFP

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Flow Meters



FEATURES

- Displays overall total volume & batch total volume!
 - Flow rate allows for Gallons or Liters Per Minute.
 - The display reads 6 digits for Rate, 8 digits for Total and 1 decimal place reading in tenths.
 - Magnetic style meter with stainless steel electrodes.
 - Self calibrating meter.
 - Measures water and most conductive liquids.
 - Easy to change six (6) AA batteries.
 - No moving parts to fail during use.
 - Glass-reinforced polypropylene.
 - Temperature range from 0°F to 150°F.
 - Accuracy is 99% from 2 to 110 GPM for 1".
 - Accuracy is 99% from 6 to 300 GPM for 2".
 - Accuracy is 99% from 14 to 670 GPM for 3".
 - There are 3 photoeyes located on the face of the flowmeter.
- Note: These are not push buttons, to activate you must hold your finger over the photoeye for 2-4 seconds.



FM100

110 GPM!



MFM100

300 GPM!



MFM220

670 GPM!



MFM300

FLOW METERS		
PART NO	DESCRIPTION	CAN. PRICE
FM100	1" Full Port Female NPT Flow Meter	
MFM100	1" Full Port Manifold Flow Meter	
MFM220	2" Full Port Manifold Flow Meter	
MFM300	3" Full Port Manifold Flow Meter	

Note: It is recommended to have at least 24 inches of straight pipe before and after the flow meter.



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Note: Please see Flange Clamps and Gaskets page 69.
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Manifold Fittings



FEATURES

- Positive seals.
- Quick & easy assembly.
- Easy On/Off hose connections.
- 360° Orientation.
- 1" & 2" fittings pressure to 150 P.S.I. at 70°F.
- 3" fittings pressure to 125 P.S.I. at 70°F.



FLANGE x MALE BSP(BRITISH STANDARD PIPE)		
PART NO	DESCRIPTION	CAN. PRICE
M100BSP	1" Manifold Flange x 1" Male BSP	
M200BSP	2" Manifold Flange x 2" Male BSP	
M220BSP	2" Full Port Manifold Flange x 2" Male BSP	
M300BSP	3" Full Port Manifold Flange x 3" Male BSP	



FLANGE x FEMALE NPT THREAD		
PART NO	DESCRIPTION	CAN. PRICE
M100050FPT	1" Flange x 1/2" Pipe Thread	
M100075FPT	1" Flange x 3/4" Pipe Thread	
M100FPT	1" Flange x 1" Pipe Thread	
M200FPT	2" Flange x 2" Pipe Thread	
M220FPT	2" Full Port Flange x 2" Pipe Thread	
M300FPT	3" Flange x 3" Pipe Thread	



FLANGE x NPT THREAD		
PART NO	DESCRIPTION	CAN. PRICE
M100075MPT	1" Flange x 3/4" Male Thread	
M100MPT	1" Flange x 1" Male Thread	
M100125MPT	1" Flange x 1 1/4" Male Thread	
M200125MPT	2" Flange x 1 1/4" Male Thread	
M200150MPT	2" Flange x 1 1/2" Male Thread	
M200MPT	2" Flange x 2" Male Thread	
M220MPT	2" Full Port Flange x 2" Male Thread	
M300MPT	3" Flange x 3" Male Thread	



FLANGE x HOSE BARB		
PART NO	DESCRIPTION	CAN. PRICE
M100075BRB	1" Flange x 3/4" Hose Barb	
M100BRB	1" Flange x 1" Hose Barb	
M100125BRB	1" Flange x 1 1/4" Hose Barb	
M200100BRB	2" Flange x 1" Hose Barb	
M200125BRB	2" Flange x 1 1/4" Hose Barb	
M200150BRB	2" Flange x 1 1/2" Hose Barb	
M200BRB	2" Flange x 2" Hose Barb	
M220100BRB	2" Full Port Flange x 1" Hose Barb	
M220125BRB	2" Full Port Flange x 1 1/4" Hose Barb	
M220150BRB	2" Full Port Flange x 1 1/2" Hose Barb	
M220BRB	2" Full Port Flange x 2" Hose Barb	
M300220BRB	3" Flange x 2" Hose Barb	
M300BRB	3" Flange x 3" Hose Barb	



FLANGED REDUCER COUPLINGS		
PART NO	DESCRIPTION	CAN. PRICE
M200100CPG	2" Port x 1" Reducer Flange	
M220100CPG	2" Full Port x 1" Reducer Flange	
M220200CPG	2" Full Port x 2" Reducer Flange	
M300200CPG	3" x 2" Port Reducer Flange	
M300220CPG	3" x 2" Full Port Reducer Flange	



FLANGE PLUGS (SOLID & W/GAUGE PORT)



PART NO	DESCRIPTION	CAN. PRICE
M100PLG	1" Flange Plug	
M200PLG	2" Flange Plug	
M220PLG	2" Full Port Flange Plug	
M300PLG	3" Flange Plug	
M100PLG025	1" Flange Plug with 1/4" FPT	
M200PLG018	2" Flange Plug with 1/8" FPT	
M200PLG025	2" Flange Plug with 1/4" FPT	
M200PLG038	2" Flange Plug with 3/8" FPT	
M200PLG050	2" Flange Plug with 1/2" FPT	
M200PLG075	2" Flange Plug with 3/4" FPT	
M200PLG100	2" Flange Plug with 1" FPT	
M220PLG075	2" Full Port Flange Plug with 3/4" FPT	
M300PLG075	3" Flange Plug with 3/4" FPT	
M300PLG100	3" Flange Plug with 1" FPT	



FLANGE x FEMALE QDC		
PART NO	DESCRIPTION	CAN. PRICE
M220D	2" Full Port Flange x 2" Female Coupler	



FLANGE x MALE QDC		
PART NO	DESCRIPTION	CAN PRICE
M100A	1" Flange x 1" Male Adapter	
M200A	2" Flange x 2" Male Adapter	
M220A	2" Full Port Flange x 2" Male Adapter	
M300A	3" Full Port Flange x 3" Male Adapter	



FLANGED COUPLINGS		
PART NO	DESCRIPTION	CAN. PRICE
M100CPG	1" x 1" Flange	
M200CPG	2" x 2" Flange	
M220CPG	2" x 2" Full Port Flange	
M220CPG6	2" x 2" Full Port Flange x 6" Long	
M300CPG	3" x 3" Full Port Flange x 4" Long	
M300CPG7	3" x 3" Full Port Flange x 7" Long	



45° FLANGED COUPLINGS		
PART NO	DESCRIPTION	CAN. PRICE
M100CPG45	1" x 1" 45° Flange	
M200CPG45	2" x 2" 45° Flange	
M220CPG45	2" x 2" 45° Full Port Flange	
M300CPG45	3" x 3" 45° Full Port Flange	



90° FLANGED COUPLINGS		
PART NO	DESCRIPTION	CAN. PRICE
M100CPG90	1" x 1" 90° Flange	
M200CPG90	2" x 2" 90° Flange	
M200CPG90SH	2" x 2" 90° Flange	
M220CPG90	2" x 2" 90° Full Port Flange	
M300CPG90	3" x 3" 90° Full Port Flange	

MANIFOLD SYSTEMS



FLANGE x 90° HOSE BARB ELBOW		
PART NO	DESCRIPTION	CAN. PRICE
M100075BRB90	1" Flange x 3/4" 90° Hose Barb Elbow	
M100BRB90	1" Flange x 1" 90° Hose Barb Elbow	
M100125BRB90	1" Flange x 1 1/4" 90° Hose Barb Elbow	
M100150BRB90	1" Flange x 1 1/2" 90° Hose Barb Elbow	
M200100BRB90	2" Flange x 1" 90° Hose Barb Elbow	
M200125BRB90	2" Flange x 1 1/4" 90° Hose Barb Elbow	
M200150BRB90	2" Flange x 1 1/2" 90° Hose Barb Elbow	
M200BRB90	2" Flange x 2" 90° Hose Barb Elbow	
M220150BRB90	2" Full Port Flange x 1 1/2" 90° Hose Barb Elbow	
M220BRB90	2" Full Port Flange x 2" 90° Hose Barb Elbow	
M300220BRB90	3" Flange x 2" 90° Hose Barb Elbow	
M300BRB90	3" Flange x 3" 90° Hose Barb Elbow	



FLANGE x 45° HOSE BARB ELBOW		
PART NO	DESCRIPTION	CAN. PRICE
M100BRB45	1" Flange x 1" 45° Hose Barb Elbow	
M200BRB45	2" Flange x 2" 45° Hose Barb Elbow	
M220BRB45	2" Full Port Flange x 2" 45° Hose Barb Elbow	
M300BRB45	3" Flange x 3" 45° Hose Barb Elbow	



FLANGE x 45° HOSE BARB ELBOW		
PART NO	DESCRIPTION	CAN. PRICE
M200150BRB45	2" Flange x 1 1/2" 45° Hose Barb Elbow	



FLANGE x HOSE BARB TEE		
PART NO	DESCRIPTION	CAN. PRICE
M100100HBT	1" Flange x 1" Hose Barb Tee	
M100125HBT	1" Flange x 1 1/4" Hose Barb Tee	
M220200HBT	2" Full Port Flange x 2" Hose Barb Tee	
M300300HBT	3" Flange x 3" Hose Barb Tee	



FLANGED TEE		
PART NO	DESCRIPTION	CAN. PRICE
M100TEE	1" Flanged Tee	
M101TEE	1" Flanged Tee - Long	
M200100TEE	2" Port x 1" Flanged Tee	
M200TEE	2" Port Flanged Tee	
M200100TEEB	2" x 1" Port Flanged Tee w/Mounting Bracket	
M220100TEE	2" Full Port Flanged Tee x 1" Flanged Tee	
M220200TEE	2" Full Port Flanged Tee x 2" Flanged Tee	
M220TEE	2" Full Port Flanged Tee	
M300TEE	3" Flanged Tee	



U BOLTS-SS		
PART NO	DESCRIPTION	CAN. PRICE
UB100	100 Series Mounting U Bolt	
UB202	200 Series Mounting U Bolt	
UB220	220 Series Mounting U Bolt	



FLANGE x MALE NPT THREAD -316SS		
PART NO	DESCRIPTION	CAN. PRICE
M100MPTSS	1" Flange x 1" Male Thread	
M200125MPTSS	2" Flange x 1 1/4" Male Thread	
M200150MPTSS	2" Flange x 1 1/2" Male Thread	
M200MPTSS	2" Flange x 2" Male Thread	
M220150MPTSS	2" Full Port Flange x 1 1/2" Male Thread	
M220MPTSS	2" Full Port Flange x 2" Male Thread	
M300220MPTSS	3" Flange x 2" Full Port Male Thread	
M300MPTSS	3" Flange x 3" Male Thread	



FLANGED CROSS		
PART NO	DESCRIPTION	CAN. PRICE
M100CR	1" Flanged Cross	
M200CR	2" Flanged Cross	
M220CR	2" Full Port Flanged Cross	
M220CRSS	2" Full Port SS Flanged Cross	
M300CR	3" Flanged Cross	

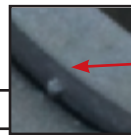


45° Y FLANGED COUPLINGS		
PART NO	DESCRIPTION	CAN. PRICE
M220Y45	2" Full Port 45° Y Flange	
M220YG45	2" Full Port 45° Y Flange w/ 3/4" gauge port*	
M300Y45	3" Full Port 45° Y Flange	
M300YG45	3" Full Port 45° Y Flange w/ 3/4" gauge port*	

Note: *Gauge not included.



FLANGE CLAMPS			
PART NO	DESCRIPTION	TORQUE	CAN. PRICE
FC100	100 Series Worm Screw Clamp	90-100 in/lbs	
FC200	200 Series Worm Screw Clamp	90-100 in/lbs	
FC220	220 Series Worm Screw Clamp	90-100 in/lbs	
FC300	300 Series Worm Screw Clamp	90-100 in/lbs	



RIB



FLANGE GASKETS		
PART NO	DESCRIPTION	CAN. PRICE
M100G	1" EPDM Manifold Gasket	
M101G*	1" EPDM Manifold Gasket with Rib	
M100GV	100 Series FKM (viton type) Gasket	
150G	1 1/2" EPDM Gasket	
150GV	200 Series FKM (viton type) Gasket	
200G	220 Series Full Port EPDM Gasket	
200GV	220 Series Full Port FKM (viton type) Gasket	
M201G*	2" EPDM Manifold Gasket with Rib	
M221G*	2" Full Port EPDM Manifold Gasket with Rib	
300G	3" EPDM Gasket	
300GV	300 Series FKM (viton type) Gasket	
M301G*	3" EPDM Manifold Gasket with Rib	

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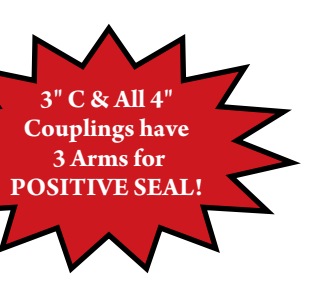
Polypropylene Cam Lever Couplings

FEATURES

- Stainless steel rings, arms & pins.
- Most complete line of polypropylene couplings available.
- Versatile — interchangeable with all types of cam lever couplers.
- Precision molded — insures a uniform and accurate fit.
- Durable — Polypropylene is glass filled for rugged strength and durability.
- Smooth operating — finger rings are designed for easy opening of cam levers.
- Complete series of 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3" and 4" NPT thread.
- BSP threads available 1"- 3" sizes (excluding 1 1/4").
- Operating conditions:
 – 3/8" thru 2" — 100 P.S.I. at 0°F; 125 P.S.I. at 70°F; 70 P.S.I. at 150°F.
 – 2 1/2", 3" & 4" Cap-50 P.S.I.; Couplings 75 P.S.I. max.
- Economical and superior in performance.
- Standard with EPDM gaskets. Buna "N", and FKM (viton type) also available.



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.



FDA CAM LEVER COUPLINGS

ITEM	DESCRIPTION	1/4" *	3/8" *	1/2" *	3/4"	1"	1 1/4" **	1 1/2" x 1 1/4" ***	1 1/2"	2"	2 1/2"	3"	3" 3 ARMS	4" 3 ARMS
A	Male Adapter-Female Thread	75A1/4	75A3/8	75A1/2	75A3/4	100A	125A	150125A	150A	200A		300A		400A
B	Female Coupler- Male Thread			75B1/2	75B3/4	100B	125B	150125B	150B	200B		300B	303B200A	400B
C	Female Coupler-Hose Shank			050C	075C	100C	125C	150125C	150C	200C		300C	303C	400C
D	Female Coupler-Female Thread		075D3/8	050D	075D	100D	125D	150125D	150D	200D		300D		400D
E	Male Adapter-Hose Shank			050E	075E	100E	125E	150125E	150E	200E		300E		400E
F	Male Adapter-Male Thread			050F	075F	100F	125F	150125F	150F	200F		300F		400F
PL	Plug for Female Coupler			75PL	75PL	100125PL	100125PL	150PL	150PL	200PL	250PL	300PL		400PL
CAP	Cap for Male Adapter			075CAP	075CAP	100125CAP	100125CAP	150CAP	150CAP	200CAP	250CAP	300CAP		400CAP (2 arms)
CAPSH	Cap w/Short Arms							200CAPSH						

NOTE: *1/4", 3/8" and 1/2" series couplings interchange with 3/4" size couplings. Coupling ends are 3/4" size.
 **1 1/4" series couplings interchange with 1" size couplings. Coupling ends are 1" size.
 ***1 1/2" x 1 1/4" couplings interchange with 1 1/2" size couplings. Coupling ends are 1 1/2" size.

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CAM LEVER COUPLINGS



1/2" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
75A1/2	3/4" Male Adapter-1/2" Female Thread	125	N/A	
75B1/2	3/4" Female Coupler-1/2" Male Thread	125	EPDM	
050C	3/4" Female Coupler-1/2" Hose Shank	125	EPDM	
050D	3/4" Female Coupler-1/2" FemaleThread	125	EPDM	
050E	3/4" Male Adapter-1/2" Hose Shank	125	N/A	
050F	3/4" Male Adapter-1/2" Male Thread	125	N/A	
075CAP	3/4" Cap-Male Adapter	125	EPDM	
75PL	3/4" Plug-Female Coupler	125	N/A	

3/4" x 1/4" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
75A1/4	3/4" Male Adapter-1/4" Female Thread	125	N/A	

**NOTE: 1/2" couplings interchange with 3/4" couplings.
Banjo 1 1/4" Couplers & Adapters will interchange with 1" Couplings.
Only the Threads and Barbs are 1 1/4".**

1" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
100A	1" Male Adapter-1" Female Thread	125	N/A	
100B	1" Female Coupler-1" Male Thread	125	EPDM	
100C	1" Female Coupler-1" Hose Shank	125	EPDM	
100D	1" Female Coupler-1" FemaleThread	125	EPDM	
100E	1" Male Adapter-1" Hose Shank	125	N/A	
100F	1" Male Adapter-1" Male Thread	125	N/A	
100125CAP	1" Cap-Male Adapter	125	EPDM	
100125PL	1" Plug-Female Coupler	125	N/A	

1 1/2" x 1 1/4" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
150125A	1 1/2" Male Adapter-1 1/4" Female Thread	125	N/A	
150125B	1 1/2" Female Coupler-1 1/4" Male Thread	125	EPDM	
150125C	1 1/2" Female Coupler-1 1/4" Hose Shank	125	EPDM	
150125D	1 1/2" Female Coupler-1 1/4" FemaleThread	125	EPDM	
150125E	1 1/2" Male Adapter-1 1/4" Hose Shank	125	N/A	
150125F	1 1/2" Male Adapter-1 1/4" Male Thread	125	N/A	
150CAP	1 1/2" Cap-Male Adapter	125	EPDM	
150PL	1 1/2" Plug-Female Coupler	125	N/A	

**NOTE: 1 1/2" x 1 1/4" couplings interchange with 1 1/2" size couplings.
Coupling and Adapter ends are 1 1/2" size. Only the threads and barbs are 1 1/4".**

3/4" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
75A3/4	3/4" Male Adapter-3/4" Female Thread	125	N/A	
75B3/4	3/4" Female Coupler-3/4" Male Thread	125	EPDM	
075C	3/4" Female Coupler-3/4" Hose Shank	125	EPDM	
075D	3/4" Female Coupler-3/4" FemaleThread	125	EPDM	
075E	3/4" Male Adapter-3/4" Hose Shank	125	N/A	
075F	3/4" Male Adapter-3/4" Male Thread	125	N/A	
075CAP	3/4" Cap-Male Adapter	125	EPDM	
75PL	3/4" Plug-Female Coupler	125	N/A	

3/4" x 3/8" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
75A3/8	3/4" Male Adapter-3/8" Female Thread	125	N/A	
075D3/8	3/4" Female Coupler-3/8" FemaleThread	125	N/A	

1" x 1 1/4" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
125A	1" Male Adapter-1 1/4" Female Thread	125	N/A	
125B	1" Female Coupler-1 1/4" Male Thread	125	EPDM	
125C	1" Female Coupler-1 1/4" Hose Shank	125	EPDM	
125D	1" Female Coupler-1 1/4" FemaleThread	125	EPDM	
125E	1" Male Adapter-1 1/4" Hose Shank	125	N/A	
125F	1" Male Adapter-1 1/4" Male Thread	125	N/A	
100125CAP	1" Cap-Male Adapter	125	EPDM	
100125PL	1" Plug-Female Coupler	125	N/A	

1 1/2" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
150A	1 1/2" Male Adapter-1 1/2" Female Thread	125	N/A	
150B	1 1/2" Female Coupler-1 1/2" Male Thread	125	EPDM	
150C	1 1/2" Female Coupler-1 1/2" Hose Shank	125	EPDM	
150D	1 1/2" Female Coupler-1 1/2" FemaleThread	125	EPDM	
150E	1 1/2" Male Adapter-1 1/2" Hose Shank	125	N/A	
150F	1 1/2" Male Adapter-1 1/2" Male Thread	125	N/A	
150CAP	1 1/2" Cap-Male Adapter	125	EPDM	
150PL	1 1/2" Plug-Female Coupler	125	N/A	

2" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200A	2" Male Adapter-2" Female Thread	125	N/A	
200B	2" Female Coupler-2" Male Thread	125	EPDM	
201B	2" Female Coupler-2" Extended Male Thread	125	EPDM	
200C	2" Female Coupler-2" Hose Shank	125	EPDM	
200D	2" Female Coupler-2" FemaleThread	125	EPDM	
200E	2" Male Adapter-2" Hose Shank	125	N/A	
200F	2" Male Adapter-2" Male Thread	125	N/A	
200CAP	2" Cap-Male Adapter	125	EPDM	
200CAPSH	2" Cap-Male Adapter w/Short Arms	125	EPDM	
200PL	2" Plug-Female Coupler	125	N/A	

2 1/2" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
250CAP	2 1/2" Cap-Male Adapter	50	EPDM	
250PL	2 1/2" Plug-Female Coupler	75	N/A	

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CAM LEVER COUPLINGS



3" POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
300A	3" Male Adapter-3" Female Thread	75	N/A	
300B	3" Female Coupler-3" Male Thread	75	EPDM	
303B	3" Female Coupler-3" Extended Male Thread	75	EPDM	
300C	3" Female Coupler-3" Hose Shank	75	EPDM	
303C	3" Female Coupler w/3 Arms-3" Hose Shank	75	EPDM	
300D	3" Female Coupler-3" Female Thread	75	EPDM	
300E	3" Male Adapter-3" Hose Shank	75	N/A	
300F	3" Male Adapter-3" Male Thread	75	N/A	
300CAP	3" Cap-Male Adapter	50	EPDM	
300PL	3" Plug-Female Coupler	75	N/A	

4" w/3 ARMS POLY CAM LEVER COUPLINGS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
400A	4" Male Adapter-4" Female Thread	75	N/A	
400B	4" Female Coupler-4" Male Thread	75	EPDM	
400C	4" Female Coupler-4" Hose Shank	75	EPDM	
400D	4" Female Coupler-4" Female Thread	75	EPDM	
400E	4" Male Adapter-4" Hose Shank	75	N/A	
400F	4" Male Adapter-4" Male Thread	75	N/A	
400CAP	4" Cap-Male Adapter (w/2 arms)	50	EPDM	
400PL	4" Plug-Female Coupler	75	N/A	



SPOOL ADAPTERS				
PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200FF	2" Male Adapter-2" Male Adapter	125	N/A	
300F200F	3" Male Adapter-2" Male Adapter	125	N/A	
300FF	3" Male Adapter-3" Male Adapter	125	N/A	

REPLACEMENT PARTS POLY CAM ARM W/RING		
PART NO	DESCRIPTION	CAN. PRICE
75K	1/2" & 3/4" SS Cam Arm w/Ring	
100K	1" & 1 1/4" SS Cam Arm w/Ring	
150(200)K	1 1/2" & 2" SS Cam Arm w/Ring	
300K	3" SS Cam Arm w/Ring	

REPLACEMENT PARTS POLY COUPLING PINS & RINGS		
PART NO	DESCRIPTION	CAN. PRICE
75P	1/2" & 3/4" Pin	
100P	1" & 1 1/4" Pin	
200P	1 1/2" & 2" Pin	
300P	3" & 4" Pin	
100RING	1/2", 3/4", 1" & 1 1/4" Ring	
150RING	1 1/2", 2" & 3" Ring	

REPLACEMENT PARTS POLY COUPLING		
PART NO	DESCRIPTION	CAN. PRICE
V20207	11" Lanyard	

PTFE Gaskets available upon request.

REPLACEMENT PARTS POLY COUPLING GASKETS		
PART NO	DESCRIPTION	CAN. PRICE
75G	1/2" & 3/4" EPDM Gasket	
75GB	1/2" & 3/4" Buna Gasket	
75GV	1/2" & 3/4" FKM (viton type) Gasket	
075GXT	1/2" & 3/4" Extra Thick EPDM Gasket	
100G	1" & 1 1/4" EPDM Gasket	
100GB	1" & 1 1/4" Buna Gasket	
100GV	1" & 1 1/4" FKM (viton type) Gasket	
100GXT	1" & 1 1/4" Extra Thick EPDM Gasket	
150G	1 1/2" EPDM Gasket	
150GB	1 1/2" Buna Gasket	
150GV	1 1/2" FKM (viton type) Gasket	
150GXT	1 1/2" Extra Thick EPDM Gasket	
150GXTV	1 1/2" Extra Thick FKM (viton type) Gasket	
200G	2" EPDM Gasket	
200GB	2" Buna Gasket	
200GV	2" FKM (viton type) Gasket	
200GXT	2" Extra Thick EPDM Gasket	
200GXTV	2" Extra Thick FKM (viton type) Gasket	
250G	2 1/2" EPDM Gasket	
300G	3" EPDM Gasket	
300GB	3" Buna Gasket	
300GV	3" FKM (viton type) Gasket	
300GXT	3" Extra Thick EPDM Gasket	
300GVXT	3" Extra Thick FKM (viton type) Gasket	
400G	4" EPDM Gasket	
400GB	4" Buna Gasket	
400GV	4" FKM (viton type) Gasket	
400GXT	4" Extra Thick EPDM Gasket	

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CAM LEVER COUPLINGS

www.banjocorp.com



Locking Cam Lever Poly Couplings

PATENT PENDING

Easy Action Locking Lever!



FEATURES

- All stainless steel construction.
- Easy action lever.
- Excellent for high vibration applications.



LOCKING CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
L150B	1½" Female Coupler-Male Thread	125	EPDM	
L150C	1½" Female Coupler-Hose Shank	125	EPDM	
L150D	1½" Female Coupler-Female Thread	125	EPDM	
L150CAP	1½" Cap-Male Adapter	125	EPDM	

1½" & 2" POLY LOCKING CAM ARM W/RING & PIN

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200KL	2" Locking Cam Arm w/Ring	N/A	N/A	
200PKL	2" Coupling Pin	N/A	N/A	

2" POLY LOCKING CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
L200B	2" Female Coupler-Male Thread	125	EPDM	
L200C	2" Female Coupler-Hose Shank	125	EPDM	
L200D	2" Female Coupler-Female Thread	125	EPDM	
L200CAP	2" Cap-Male Adapter	125	EPDM	

Note: Fits 1½" & 2" Poly Couplings Only

WARNING: Locking Cam Arm Lever is not intended to be used as a security device or to prevent unauthorized opening of coupling assembly.



201B



303B



303C

2" x 1½" PART C

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200150C	2" Female Coupler- 1½" Hose Shank	125	EPDM	



3"

3" w/3 ARMS POLY CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
303B200A	3" Female Coupler w/3 Arms-2" Male Adapter	75	EPDM	

POLY CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
201B	2" Female Coupler-2" Extended Male Thread	125	EPDM	
303B	3" Female Coupler-3" Extended Male Thread	75	EPDM	
303C	3" Female Coupler w/3 Arms-3" Hose Shank	75	EPDM	

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parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

1½" & 2" Polypropylene 90° Couplings **BANJO**

FEATURES

- Precision molded in polypropylene, reinforced with fiberglass for strength and durability.
- Stainless steel rings, cam levers and pins resist corrosion.
- Banjo 90° angle couplings and adapters will reduce the number of elbows and other pipe fittings used in plumbing applications.

1½" 90° POLY CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
150A90	1½" 90° Male Adapter-1½" Female Thread	125	EPDM	
150C90	1½" 90° Female Coupler-1½" Hose Shank	125	EPDM	
150D90	1½" 90° Female Coupler-1½" Female Thread	125	EPDM	
150F90	1½" 90° Male Adapter-1½" Male Thread	125	EPDM	

2" 90° POLY CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200A90	2" 90° Male Adapter-2" Female Thread	125	EPDM	
200B90	2" 90° Female Coupler-2" Male Thread	125	EPDM	
200C90	2" 90° Female Coupler-2" Hose Shank	125	EPDM	
200D90	2" 90° Female Coupler-2" Female Thread	125	EPDM	
200F90	2" 90° Male Adapter-2" Male Thread	125	EPDM	
220FSWP90	2" Male Adapter w/90° Sweep - 2" Male Thread	125	EPDM	



2" Polypropylene 45° Couplings



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.

2" 45° POLY CAM LEVER COUPLINGS

PART NO	DESCRIPTION	MAX PSI	GASKET	CAN. PRICE
200F45	2" 45° Male Adapter-2" Male Thread	125	N/A	



Polypropylene Switch-a-Roos

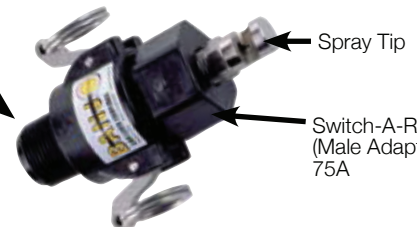
FEATURES

- The Switch-A-Roo is a fast, convenient method of changing spray nozzles on fertilizer application equipment.
- Precision molded in polypropylene (fiberglass reinforced) for high strength and toughness.
- The female coupling is available in either ½" or ¾" pipe thread and normally mounted on the spray boom.
- The male adapter is available in four different thread sizes ¼", ⅜", ½", and ¾" to fit all size spray nozzles.
- Switch-A-Roo's available with self-aligning grooves.

POLY SWITCH-A-ROOS

PART NO	DESCRIPTION	CAN. PRICE
75A1/4/SA	¾" Male Adapter-¼" w/Self-aligning Groove	
75A3/8/SA	¾" Male Adapter-⅜" w/Self-aligning Groove	
75A1/2/SA	¾" Male Adapter-½" w/Self-aligning Groove	
75A3/4/SA	¾" Male Adapter-¾" w/Self-aligning Groove	
75A1/4	¾" Male Adapter-¼" Female Thread	
75A3/8	¾" Male Adapter-⅜" Female Thread	
75A1/2	¾" Male Adapter-½" Female Thread	
75A3/4	¾" Male Adapter-¾" Female Thread	
75B1/2	¾" Female Coupler-½" Male Thread	
75B3/4	¾" Female Coupler-¾" Male Thread	

Cam Lever Coupling 75B



Switch-A-Roo (Male Adapter) 75A

¾" Female Coupler

¾" Male Adapter



Self-Aligning Knurl

Available with ¼", ⅜", ½", ¾" Female Threads



Prices Subject to Change Without Notice

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

PIPE FITTINGS

Polypropylene Pipe Fittings

FEATURES

- Glass reinforced polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.
- Pressure to 150 P.S.I. at 70°F.



POLY NIPPLES

PART NO	DESCRIPTION	CAN. PRICE
NIP025-SH	1/4" Short Poly Nipple	
NIP038-SH	3/8" Short Poly Nipple	
NIP050-SH	1/2" Short Poly Nipple	
NIP050-3	1/2" x 3" Poly Nipple	
NIP075-SH	3/4" Short Poly Nipple	
NIP075-4	3/4" x 4" Poly Nipple	
NIP075-6	3/4" x 6" Poly Nipple	
NIP100-SH	1" Short Poly Nipple	
NIP100-4	1" x 4" Poly Nipple	
NIP100-6	1" x 6" Poly Nipple	
NIP125-SH	1 1/4" Short Poly Nipple	
NIP125-4	1 1/4" x 4" Poly Nipple	
NIP125-6	1 1/4" x 6" Poly Nipple	
NIP150-SH	1 1/2" Short Poly Nipple	
NIP150-3	1 1/2" x 3" Poly Nipple	
NIP150-4	1 1/2" x 4" Poly Nipple	
NIP150-5	1 1/2" x 5" Poly Nipple	
NIP150-6	1 1/2" x 6" Poly Nipple	
NIP200-SH	2" Short Poly Nipple	
NIP200-4	2" x 4" Poly Nipple	
NIP200-6	2" x 6" Poly Nipple	
NIP300-SH	3" Short Poly Nipple	
NIP300-4	3" x 4" Poly Nipple	
NIP300-6	3" x 6" Poly Nipple	
NIP400-SH	4" Short Poly Nipple	



POLY REDUCING NIPPLES

PART NO	DESCRIPTION	CAN. PRICE
RN050-038	1/2" x 3/8" Poly Reducing Nipple	
RN075-050	3/4" x 1/2" Poly Reducing Nipple	
RN100-050	1" x 1/2" Poly Reducing Nipple	
RN100-075	1" x 3/4" Poly Reducing Nipple	
RN125-075	1 1/4" x 3/4" Poly Reducing Nipple	
RN125-100	1 1/4" x 1" Poly Reducing Nipple	
RN150-100	1 1/2" x 1" Poly Reducing Nipple	
RN150-125	1 1/2" x 1 1/4" Poly Reducing Nipple	
RN200-125	2" x 1 1/4" Poly Reducing Nipple	
RN200-150	2" x 1 1/2" Poly Reducing Nipple	
RN300-200	3" x 2" Poly Reducing Nipple	



POLY CROSSES

PART NO	DESCRIPTION	CAN. PRICE
HBC050075	1/2" x 3/4" Hose Barb Cross	



POLY PIPE COUPLINGS

PART NO	DESCRIPTION	CAN. PRICE
CPLG025	1/4" Poly Pipe Coupling	
CPLG038	3/8" Poly Pipe Coupling	
CPLG050	1/2" Poly Pipe Coupling	
CPLG075	3/4" Poly Pipe Coupling	
CPLG100	1" Poly Pipe Coupling	
CPLG125	1 1/4" Poly Pipe Coupling	
CPLG150	1 1/2" Poly Pipe Coupling	
CPLG200	2" Poly Pipe Coupling	
CPLG300	3" Poly Pipe Coupling	



POLY REDUCING COUPLINGS

PART NO	DESCRIPTION	CAN. PRICE
RC100-075	1" x 3/4" Poly Reducing Coupling	
RC150-100	1 1/2" x 1" Poly Reducing Coupling	
RC150-125	1 1/2" x 1 1/4" Poly Reducing Coupling	
RC200-050	2" x 1/2" Poly Reducing Coupling	
RC200-100	2" x 1" Poly Reducing Coupling	
RC200-125	2" x 1 1/4" Poly Reducing Coupling	
RC200-150	2" x 1 1/2" Poly Reducing Coupling	
RC300-200	3" x 2" Poly Reducing Coupling	



POLY REDUCING BUSHING

PART NO	DESCRIPTION	CAN. PRICE
RB038-025	3/8" MPT x 1/4" FPT Reducing Bushing	
RB050-025	1/2" MPT x 1/4" FPT Reducing Bushing	
RB050-038	1/2" MPT x 3/8" FPT Reducing Bushing	
RB075-018	3/4" MPT x 1/8" FPT Reducing Bushing	
RB075-025	3/4" MPT x 1/4" FPT Reducing Bushing	
RB075-038	3/4" MPT x 3/8" FPT Reducing Bushing	
RB075-050	3/4" MPT x 1/2" FPT Reducing Bushing	
RB100-018	1" MPT x 1/8" FPT Reducing Bushing	
RB100-025	1" MPT x 1/4" FPT Reducing Bushing	
RB100-050	1" MPT x 1/2" FPT Reducing Bushing	
RB100-075	1" MPT x 3/4" FPT Reducing Bushing	
RB125-038	1 1/4" MPT x 3/8" FPT Reducing Bushing	
RB125-075	1 1/4" MPT x 3/4" FPT Reducing Bushing	
RB125-100	1 1/4" MPT x 1" FPT Reducing Bushing	
RB150-075	1 1/2" MPT x 3/4" FPT Reducing Bushing	
RB150-100	1 1/2" MPT x 1" FPT Reducing Bushing	
RB150-125	1 1/2" MPT x 1 1/4" FPT Reducing Bushing	
RB200-075	2" MPT x 3/4" FPT Reducing Bushing	
RB200-100	2" MPT x 1" FPT Reducing Bushing	
RB200-125	2" MPT x 1 1/4" FPT Reducing Bushing	
RB200-150	2" MPT x 1 1/2" FPT Reducing Bushing	
RB300-150	3" MPT x 1 1/2" FPT Reducing Bushing	
RB300-200	3" MPT x 2" FPT Reducing Bushing	
RB400-300	4" MPT x 3" FPT Reducing Bushing	

Polypropylene Pipe Fittings

- Glass reinforced polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.
- Pressure to 150 P.S.I. at 70°F.



POLY PIPE CAPS

PART NO	DESCRIPTION	CAN. PRICE
CAP025	1/4" Poly Pipe Cap	
CAP038	3/8" Poly Pipe Cap	
CAP050	1/2" Poly Pipe Cap	
CAP075	3/4" Poly Pipe Cap	
CAP100	1" Poly Pipe Cap	
CAP125	1 1/4" Poly Pipe Cap	
CAP150	1 1/2" Poly Pipe Cap	
CAP200	2" Poly Pipe Cap	
CAP300	3" Poly Pipe Cap	



POLY PIPE PLUGS

PART NO	DESCRIPTION	CAN. PRICE
PLUG025	1/4" Poly Pipe Plug	
PLUG038	3/8" Poly Pipe Plug	
PLUG050	1/2" Poly Pipe Plug	
PLUG075	3/4" Poly Pipe Plug	
PLUG100	1" Poly Pipe Plug	
PLUG125	1 1/4" Poly Pipe Plug	
PLUG150	1 1/2" Poly Pipe Plug	
PLUG200	2" Poly Pipe Plug	
PLUG300	3" Poly Pipe Plug	



90° POLY ELBOWS

PART NO	DESCRIPTION	CAN. PRICE
EL025-90	1/4" 90° Poly Elbow	
EL038-90	3/8" 90° Poly Elbow	
EL050-90	1/2" 90° Poly Elbow	
EL075-90	3/4" 90° Poly Elbow	
EL100-90	1" 90° Poly Elbow	
EL125-90	1 1/4" 90° Poly Elbow	
EL150-90	1 1/2" 90° Poly Elbow	
EL200-90	2" 90° Poly Elbow	
EL300-90	3" 90° Poly Elbow	



90° POLY STREET ELBOWS

PART NO	DESCRIPTION	CAN. PRICE
SL025-90	1/4" 90° Poly Street Elbow	
SL038-90	3/8" 90° Poly Street Elbow	
SL050-90	1/2" 90° Poly Street Elbow	
SL075-90	3/4" 90° Poly Street Elbow	
SL100-90	1" 90° Poly Street Elbow	
SL125-90	1 1/4" 90° Poly Street Elbow	
SL150-90	1 1/2" 90° Poly Street Elbow	
SL200-90	2" 90° Poly Street Elbow	
SL300-90	3" 90° Poly Street Elbow	



45° POLY ELBOW

PART NO	DESCRIPTION	CAN. PRICE
EL100-45	1" 45° Poly Street Elbow	



45° POLY STREET ELBOWS

PART NO	DESCRIPTION	CAN. PRICE
SL075-45	3/4" 45° Poly Street Elbow	
SL100-45	1" 45° Poly Street Elbow	
SL125-45	1 1/4" 45° Poly Street Elbow	
SL150-45	1 1/2" 45° Poly Street Elbow	
SL200-45	2" 45° Poly Street Elbow	
SL300-45	3" 45° Poly Street Elbow	



POLY CROSSES

PART NO	DESCRIPTION	CAN. PRICE
CR025	1/4" Poly Cross	
CR038	3/8" Poly Cross	
CR050	1/2" Poly Cross	
CR075	3/4" Poly Cross	
CR100	1" Poly Cross	
CR125	1 1/4" Poly Cross	
CR150	1 1/2" Poly Cross	
CR200	2" Poly Cross	



POLY TEES

PART NO	DESCRIPTION	CAN. PRICE
TEE025	1/4" Poly Tee	
TEE038	3/8" Poly Tee	
TEE050	1/2" Poly Tee	
TEE075	3/4" Poly Tee	
TEE100	1" Poly Tee	
TEE125	1 1/4" Poly Tee	
TEE150	1 1/2" Poly Tee	
TEE200	2" Poly Tee	
TEE300	3" Poly Tee	



POLY GAUGE TEE (GAUGE NOT INCLUDED)

PART NO	DESCRIPTION	CAN. PRICE
TEG075	3/4" Poly Tee w/ 1/4" Female Thread	
TEG100	1" Poly Tee w/ 1/4" Female Thread	



90° POLY ELBOW

PART NO	DESCRIPTION	CAN. PRICE
HBEL150/100-90	1 1/2" x 1" 90° Poly Hose Barb Elbow	

Polypropylene Pipe Fittings



POLY STRAIGHT HOSE BARBS

PART NO	DESCRIPTION	CAN. PRICE
HB025	1/4" Male Thread x 1/4" Hose Barb	
HB025-038	1/4" Male Thread x 3/8" Hose Barb	
HB025-050	1/4" Male Thread x 1/2" Hose Barb	
HB038	3/8" Male Thread x 3/8" Hose Barb	
HB038-025	3/8" Male Thread x 1/4" Hose Barb	
HB038-050	3/8" Male Thread x 1/2" Hose Barb	
HB050-025	1/2" Male Thread x 1/4" Hose Barb	
HB050-038	1/2" Male Thread x 3/8" Hose Barb	
HB050	1/2" Male Thread x 1/2" Hose Barb	
HB050-075	1/2" Male Thread x 3/4" Hose Barb	
HB075-038	3/4" Male Thread x 3/8" Hose Barb	
HB075-050	3/4" Male Thread x 1/2" Hose Barb	
HB075-058	3/4" Male Thread x 5/8" Hose Barb	
HB075	3/4" Male Thread x 3/4" Hose Barb	
HB075-100	3/4" Male Thread x 1" Hose Barb	
HB100-075	1" Male Thread x 3/4" Hose Barb	
HB100	1" Male Thread x 1" Hose Barb	
HB100-125	1" Male Thread x 1 1/4" Hose Barb	
HB125-075	1 1/4" Male Thread x 3/4" Hose Barb	
HB125-100	1 1/4" Male Thread x 1" Hose Barb	
HB125	1 1/4" Male Thread x 1 1/4" Hose Barb	
HB125-150	1 1/4" Male Thread x 1 1/2" Hose Barb	
HB150-100	1 1/2" Male Thread x 1" Hose Barb	
HB150-125	1 1/2" Male Thread x 1 1/4" Hose Barb	
HB150	1 1/2" Male Thread x 1 1/2" Hose Barb	
HB150-200	1 1/2" Male Thread x 2" Hose Barb	
HB200-150	2" Male Thread x 1 1/2" Hose Barb	
HB200	2" Male Thread x 2" Hose Barb	
HB300	3" Male Thread x 3" Hose Barb	
HB400	4" Male Thread x 4" Hose Barb	



POLY 90° HOSE BARBS

PART NO	DESCRIPTION	CAN. PRICE
HB025-90	1/4" Male Thread x 1/4" 90° Hose Barb	
HB025/038-90	1/4" Male Thread x 3/8" 90° Hose Barb	
HB025/050-90	1/4" Male Thread x 1/2" 90° Hose Barb	
HB038-90	3/8" Male Thread x 3/8" 90° Hose Barb	
HB050/038-90	1/2" Male Thread x 3/8" 90° Hose Barb	
HB050-90	1/2" Male Thread x 1/2" 90° Hose Barb	
HB050/075-90	1/2" Male Thread x 3/4" 90° Hose Barb	
HB075/050-90	3/4" Male Thread x 1/2" 90° Hose Barb	
HB075-90	3/4" Male Thread x 3/4" 90° Hose Barb	
HB075/100-90	3/4" Male Thread x 1" 90° Hose Barb	
HB100/075-90	1" Male Thread x 3/4" 90° Hose Barb	
HB100-90	1" Male Thread x 1" 90° Hose Barb	
HB100/125-90	1" Male Thread x 1 1/4" 90° Hose Barb	
HB125/100-90	1 1/4" Male Thread x 1" 90° Hose Barb	
HB125-90	1 1/4" Male Thread x 1 1/4" 90° Hose Barb	
HB125/150-90	1 1/4" Male Thread x 1 1/2" 90° Hose Barb	
HB150/125-90	1 1/2" Male Thread x 1 1/4" 90° Hose Barb	
HB150-90	1 1/2" Male Thread x 1 1/2" 90° Hose Barb	
HB200/150-90	2" Male Thread x 1 1/2" 90° Hose Barb	
HB200-90	2" Male Thread x 2" 90° Hose Barb	
HB300-90	3" Male Thread x 3" 90° Hose Barb	



POLY FEMALE HOSE BARBS

PART NO	DESCRIPTION	CAN. PRICE
HB075	3/4" Female Thread	
HB075-100	3/4" Female Thread x 1" Hose Shank	
HB100	1" Female Thread x 1" Hose Shank	



90° POLY ELBOW

PART NO	DESCRIPTION	CAN. PRICE
HBEL100-90	1" 90° Poly Hose Barb Elbow	



90° POLY ELBOW

PART NO	DESCRIPTION	CAN. PRICE
HBB20012590	2" x 1 1/4" 90° Poly Hose Barb Elbow	



316 SS HOSE BARBS

PART NO	DESCRIPTION	CAN. PRICE
HB025SS	1/4" Male Thread x 1/4" Hose Shank	
HB025-038SS	1/4" Male Thread x 3/8" Hose Shank	
HB025-050SS	1/4" Male Thread x 1/2" Hose Shank	
HB038SS	3/8" Male Thread x 3/8" Hose Shank	
HB038-050SS	3/8" Male Thread x 1/2" Hose Shank	
HB050SS	1/2" Male Thread x 1/2" Hose Shank	
HB050-058SS	1/2" Male Thread x 5/8" Hose Shank	
HB050-075SS	1/2" Male Thread x 3/4" Hose Shank	
HB075-050SS	3/4" Male Thread x 1/2" Hose Shank	
HB075SS	3/4" Male Thread x 3/4" Hose Shank	
HB075-100SS	3/4" Male Thread x 1" Hose Shank	
HB100-075SS	1" Male Thread x 3/4" Hose Shank	
HB100SS	1" Male Thread x 1" Hose Shank	
HB125SS	1 1/4" Male Thread x 1 1/4" Hose Shank	
HB150SS	1 1/2" Male Thread x 1 1/2" Hose Shank	
HB200SS	2" Male Thread x 2" Hose Shank	
HB300SS	3" Male Thread x 3" Hose Shank	

PIPE FITTINGS



POLY HOSE BARB TEES

PART NO	DESCRIPTION	CAN. PRICE
HBT025	1/4" Hose Barb Tee	
HBT038	3/8" Hose Barb Tee	
HBT050-038	1/2" x 1/2" x 3/8" Hose Barb Tee	
HBT050	1/2" Hose Barb Tee	
HBT050-075	1/2" x 1/2" x 3/4" Hose Barb Tee	
HBT075-050	3/4" x 3/4" x 1/2" Hose Barb Tee	
HBT075	3/4" Hose Barb Tee	
HBT075-100	3/4" x 3/4" x 1" Hose Barb Tee	
HBT100-075	1" x 1" x 3/4" Hose Barb Tee	
HBT100	1" Hose Barb Tee	
HBT200	2" Hose Barb Tee	
HBT300	3" Hose Barb Tee	



POLY HOSE MENDERS

PART NO	DESCRIPTION	CAN. PRICE
HM025	1/4" x 1/4" Hose Barb	
HM038	3/8" x 3/8" Hose Barb	
HM050	1/2" x 1/2" Hose Barb	
HM075	3/4" x 3/4" Hose Barb	
HM100	1" x 1" Hose Barb	
HM125	1 1/4" x 1 1/4" Hose Barb	
HM150	1 1/2" x 1 1/2" Hose Barb	
HM200	2" x 2" Hose Barb	
HM300	3" x 3" Hose Barb	



POLY HOSE BARB THREADED TEES

PART NO	DESCRIPTION	CAN. PRICE
HBT100-100	1" Hose Barb x 1" Hose Barb x 1" Male Thread Hose Barb Tee	
HBT150-100	1 1/2" Hose Barb x 1 1/2" Hose Barb x 1" Male Thread Hose Barb Tee	
HBT150-150	1 1/2" Hose Barb x 1 1/2" Hose Barb x 1 1/2" Male Thread Hose Barb Tee	



POLY SWIVEL

PART NO	DESCRIPTION	MAX PSI	CAN. PRICE
SW100	1" Male x 1" Female Swivel	75	
SW150	1 1/2" Male x 1 1/2" Female Swivel	75	
SW200	2" Male x 2" Female Swivel	75	
SW220	2" Full Port Male x 2" Full Port Female Swivel	75	



8 STATION POLY MANIFOLD

PART NO	DESCRIPTION	CAN. PRICE
TM075/050	8 Station Manifold 3/4" Inlet x 1/2" Outlet, 1/4" Gauge Port	

Recommended procedure for sealing pipe threads:

We DO NOT recommend using pipe tape. Pipe tape enlarges the outside diameter of the male thread and may cause the female thread to split. We recommend using a pipe thread sealant. Use on clean tapered threads. Apply a thick even coat on male threads using brush applicator. For pipe diameters smaller than 1 1/4" apply to male threads only. For 1 1/4" and larger sizes apply to both male and female threads. Avoid applying excessive amounts. Hand tighten joints and then torque another 1/2 to 3/4 turn until threads seal.

RECTORSEAL® TRU-BLU™: This is a fast drying, flexible set thread sealant designed for high vibration environments. Teflon®* has been added to enhance thread lubrication during assembly and break out. 8 oz. can with brush in the cap. Conforms to TT-S-1732.



NOTE: All recommendations as to use of parts and materials mentioned in this catalog assume that the buyer will ascertain their suitability and that all safety and health standards are met.*DuPont Registered Trademark

NOTE: WE CAN NO LONGER SHIP THIS PRODUCT OUTSIDE OF THE UNITED STATES.

PIPE SEALANT

PART NO	DESCRIPTION	CAN. PRICE
RSTB	RECTORSEAL® TRU-BLU™ (8 oz-24/case)	
RSTB-2	RECTORSEAL® TRU-BLU™ w/TFE (2 oz)	



Prices Subject to Change Without Notice

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Toll Free 1-800-661-5019

Fax (519) 485-4694

HORIZONTAL LEG TANKS

PICKUP TRUCK TANKS

PCO TANKS

VERTICAL STORAGE TANKS

ELLIPTICAL LEG TANKS



Liquid Storage Tanks

 **NORWESCO**

parts@greenlea.net

Toll Free 1-800-661-5019

Fax (519) 485-4694

parts@greenlea.net

Vertical Storage Tanks

Vertical storage tanks are most frequently used for bulk storage and mobile nursing applications. Norwesco vertical tanks feature tie-down slots, built-in graduated gallon indicators, an offset fill-opening and a self-vented, slosh-proof lid.



Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White	Heavy Weight Part No. Blue
25	18"	29"	5"	3/4"	41867	—
50	18"	53"	5"	3/4"	41865	—
65	23"	43"	8"	1 1/4"	45192	—
75	23"	49"	8"	1 1/4"	41863	—
100	28"	43"	8"	1 1/4"	41861	—
105	23"	63"	8"	2"	40803	—
150	30"	56"	8"	1 1/4"	41859	—
165	31"	56"	16"	2"	40281	—
200	30"	72"	8"	2"	41856	—
210	32"	67"	16"	2"	47401	—
250	30"	89"	8"	2"	41854	—
300	36"	79"	16"	2"	40213	—
305	46"	50"	16"	2"	40302	—
500	48"	73"	16"	2"	40148	40150
550	67"	44"	16"	2"	40023	—
750	48"	103"	16"	2"	40606	—
850	48"	118"	16"	2"	42214	—
1000	64"	80"	16"	2"	40152	40154
1050	87"	50"	16"	2"	45252	—
1100	87"	53"	16"	2"	40070	40081
1500	64"	116"	16"	2"	40144	40146
1550	87"	67"	16"	2"	40235	40236
1700	87"	74"	16"	2"	40010	40012
2000	64"	152"	16"	2"	47109	47564
2100	87"	89"	16"	2"	40178	40241
2100	102"	69"	16"	2"	41399	—
2500	95"	91"	16"	2"	40051	40052
2500	102"	79"	16"	2"	42382	42384
3000	91"	119"	16"	2"	45081	—
3000	95"	109"	16"	2"	40754	40755
3000	102"	93"	16"	2"	45246	42380
4000	102"	125"	16"	3"/2"	40312	—
4200	102"	131"	16"	3"/2"	41403	—
5000	102"	152"	16"	3"/2"	40164	40166
5500	138"	92"	16"	3"/2"	45086	—
5800	141"	98"	16"	3"/2"	40071	—
6000	102"	182"	16"	3"/2"	40226	40233
6100	119"	140"	16"	3"/2"	40659	40661
6500	120"	147"	16"	3"/2"	42315	42317
6500	119"	150"	16"	3"/2"	40224	40232
7800	119"	176"	16"	3"/2"	40663	40665
8400	119"	188"	16"	3"/2"	42060	42062
9000	141"	146"	16"	3"/2"	40543	40231
10000	141"	160"	16"	3"/2"	40545	40353
12000	141"	193"	16"	3" *	40539	40541
15000	141"	244"	16"	3" *	41334	41336

May ship UPS Oversize

*316 Stainless Steel Bolted Fitting



325 Gallon Horizontal Leg Tank

1025 Gallon Horizontal Leg Tank

Horizontal Leg Tanks

With the broadest leg tank line available, Norwesco manufactures a size that will fit your needs. Used primarily for transport and nursing applications, Norwesco's leg tanks feature molded-in legs that act as "baffles" to reduce sloshing. Please refer to page 176 for support bands.

Gallon Capacity	Diameter	Overall Height	Length	Fill Opening	Outlet/Drain Specification	No. of Bands	Premium Weight Part No. White	Heavy Weight Part No. Blue
35 □	20"	23"	29"	5"	¾"	2 optional	45223	—
55 □	23"	26"	34"	5"	¾"	2 optional	41873	—
65 □	23"	46"	43"	5"	¾"	2 optional	45191	—
125	32"	35"	41"	8"	2"	2 optional	40298	—
225	38"	41"	49"	8"	2"	2 optional	40299	—
325	38"	43"	68"	16"	2"	2 optional	40217	—
425	49"	54"	60"	16"	2"	2 optional	42016	—
525	49"	54"	71"	16"	2"	2 optional	40181	40193
725 *	49"	54"	101"	16"	2"	3 required	40180	40194
925 *	62"	65"	80"	16"	2"	2 required	45209	—
925 * with sump	62"	69"	80"	16"	2"	2 required	45210	—
1025 *	49"	54"	139"	16"	2"	4 required	40089	40131
1325 *	66"	70"	99"	16"	2"	3 required	41875	41877
1625 *	63"	68"	139"	16"	2"	4 required	40026	40133
5025 *	92"	96"	190"	16" **	3"/2"	5 required	41879	41881

□ May ship UPS Oversize

*Require full length support and bands

**16" hinged lid



2035 Gallon Elliptical Leg Tank

Elliptical Leg Tanks

This elliptical tank style is designed to provide the greatest capacity with the lowest center of gravity, making it the best design available for transporting larger volumes. Norwesco elliptical tanks feature molded-in legs that act as "baffles" to reduce sloshing and provide increased stability during transport. All Norwesco elliptical leg tanks require full length bottom support as well as support bands. Please refer to page 176 for support bands.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White	Heavy Weight Part No. Blue
335	48"	33"	71"	16"	2"	42339	—
535	57"	39"	80"	16"	2"	42353	—
1035	79"	54"	89"	16"	2"	40191	—
1235	66"	53"	128"	16"	2"	40239	—
1335	67"	57"	122"	16"	2"	42415	42417
1635	71"	58"	142"	16"	2"	40387	40388
2035	84"	56"	142"	16"	2"	40618	40623
2635	90"	72"	140"	16"	3"/2"	40547	40283
3135	88"	80"	150"	16"	3"/2"	40686	40688
4035	92"	75"	192"	16" **	3"/2"	41267	41269

**16" hinged lid

Drainable Leg Tanks

When complete drainage is necessary, these are the tanks of choice. They are designed primarily for use on fertilizer and chemical nurse trailers. All Norwesco drainable tanks require full length bottom support as well as support bands. Please refer below for support bands.



1010 Gallon Drainable Leg Tank

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	No. of Bands	Premium Weight Part No. White	Heavy Weight Part No. Blue
710 (horizontal)	47"	57"	104"	16"	2"	3 required	40655	40657
1010 (horizontal)	47"	58"	140"	16"	2"	4 required	40393	40395
1310 (horizontal)	66"	75"	99"	16"	—	4 required	41871	41872
1610 (elliptical)	69"	63"	140"	16"	—	4 required	40806	40808
2610 (elliptical)	90"	79"	140"	16"*	—	4 required	41382	41383
3210 (elliptical)	92"	75"	178"	16"*	—	4 required	40822	40824

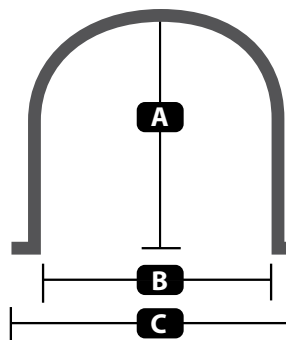
*16" hinged lid

Steel Supports and Accessories for Leg Tanks

Norwesco bands are custom fabricated to support the Norwesco tanks and are galvanized or powder coated for added corrosion protection. Whether using the tank in a stationary position or for transport, bands are necessary to ensure that the tank retains its shape and integrity.

Elliptical Leg Tank Bands

Tank Size (Gallon)	A	B	C	No. of Bands	Part No.
335	29"	46½"	52½"	2 required	63546
535	35"	55½"	61½"	2 required	63547
1035	47¼"	77"	83"	3 required	60325
1235	47¾"	64¾"	70¾"	4 required	60477
1335	53"	65"	71"	3 required	63548
1635	51"	68"	74"	4 required	60586
2035	51¼"	81½"	86¾"	4 required	62079
2635	65¼"	87½"	94"	4 required	60353
3135	75¼"	85½"	92"	4 required	62097
4035	70¼"	89½"	96"	4 required	62832



Horizontal Leg Tank Bands

Tank Size (Gallon)	A	B	C	No. of Bands	Part No.
35 ‡	18½"	18½"	21¾"	2 optional	60520
55 ‡	22"	22"	26½"	2 optional	61745
65 ‡	22"	22"	26½"	2 optional	61745
125 ✕	30¾"	30½"	35"	2 optional	61744
225 ✕	36½"	36"	42"	2 optional	60478
325 ✕	36½"	36"	42"	2 optional	60478
425	47¾"	46¼"	52¼"	2 optional	60057
525	47¾"	46¼"	52¼"	2 optional	60057
725	47¾"	46¼"	52¼"	3 required	60057
925	61"	60"	66"	2 required	62852
1025	47¾"	46¼"	52¼"	4 required	60057
1325	64"	64"	70"	3 required	63282
1625	61"	60¾"	67¼"	4 required	60079
5025	89¾"	89½"	93¾"	5 required	63284

‡ May ship UPS Dimensional Weight

✕ May ship UPS Oversize

Drainable Leg Tank Bands

Tank Size (Gallon)	A	B	C	No. of Bands	Part No.
710 ✕	46¼"	45"	51"	3 required	60584 short
1010 ✕*	46¼"	45"	51"	2 required	60584 short
1010 ✕*	48"	45"	51"	2 required	60585 long
1310	64"	64"	70"	3 required	63282
1610	49"	66"	72"	4 required	62434
2610 *	58"	87½"	91⅞"	2 required	63044 short
2610 *	62"	87½"	91⅞"	2 required	63045 long
3210 *	56"	89½"	92¾"	2 required	62347 short
3210 *	60"	89½"	92¾"	2 required	62348 long

* 2 short and 2 long bands are required for 1 tank ✕ May ship UPS Oversize

Ladders

Description	Tank Size (Gallon)	Part No.
Ladder (optional)	2635 & 3135	60354
Ladder (optional)	2610 & 3210	63047
Ladder (optional)	4035	63033
Adaptor kit for ladder †	3135	62301

† This kit is required when using the ladder on the 3135 gallon tank



Pickup Truck Tanks

Designed to fit full-size, American made pickups, the 325 and 425 sizes have low profiles for better rear vision. They feature fill openings offset to the side of the tank for safety and easy access. A tough circular design adds strength. The 210 gallon tank fits both "mini" pickups and full-size models. Depending on which way the tank is turned, the bottom width can be either 39" or 48".

Gallon Capacity	Top Width or Diameter	Bottom Width or Diameter	Overall Height	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
210	60"/51"	48"/39"	29"	8"	2"	40300
325	62"	49"	33"	8"	2"	40160
425	65"	49"	39"	8"	2"	40102



Flat Bottom Utility Tanks

Like the PCO tank, the Flat Bottom Utility tank can be used for many applications. It is the perfect choice when looking for a tank to put in the bed of a pickup truck. The tank may be used with or without bands.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
50 □	19"	23"	38"	8"	1"	42341
100 □	27"	29"	43"	8"	1"	42343
110*	35"	20"	48"	8"	1"	42349
150	36"	29"	48"	8"	1"	42345
200	36"	38"	48"	8"	1"	42347

□ May ship UPS Oversize *Low Profile Rectangular

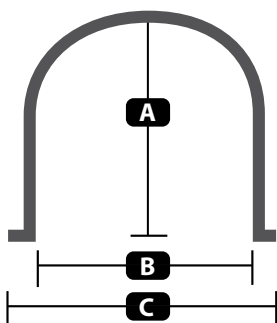


PCO Tanks

A multi-purpose tank, the PCO is well suited for nursery, agricultural and lawn care applications. These tanks feature self-supporting legs and do not require any saddles or steel supports. Flat spots are molded into both ends to provide mounting areas for agitation equipment.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Premium Weight Part No. White
30 □	19"	23"	25"	5"	41254
50 □	19"	22"	38"	8"	40664
100 □	30"	28"	38"	8"	40668
150	36"	28"	48"	8"	40669
200	36"	37"	48"	8"	41413
300	36"	37"	69"	16"	41381

□ May ship UPS Oversize



Flat Bottom Utility Tank Bands

Tank Size (Gallon)	A	B	C	No. of Bands	Part No.
50	19"	18½"	23"	2 optional	63551
100	24"	25"	29½"	2 optional	63552
150	24"	34½"	39"	2 optional	63553
200	33"	34½"	39"	2 optional	63554

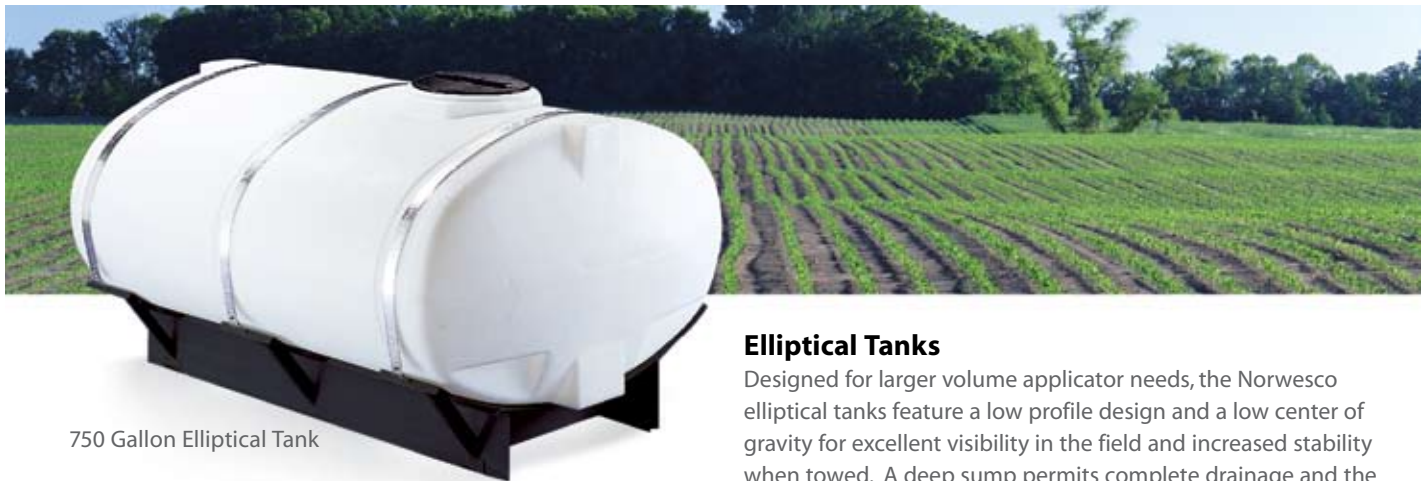


Mini Bulk Tanks

Norwesco mini bulk tanks are most frequently used for chemical dispensing. The tanks can be mounted on forklift accessible pads for ease of movement. A 2" polypropylene fitting is installed directly across from the fill-opening.

Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet/ Drain Specification	Premium Weight Part No. White
120 α	38"	31"	5"	2"	40318
220	42"	44"	5"	2"	40320

α May ship UPS Oversize



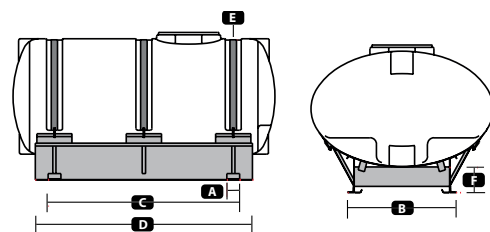
750 Gallon Elliptical Tank

Elliptical Tanks

Designed for larger volume applicator needs, the Norwesco elliptical tanks feature a low profile design and a low center of gravity for excellent visibility in the field and increased stability when towed. A deep sump permits complete drainage and the tanks feature an 8" or 16" fill-opening. Please refer to information below for steel supports.

Gallon Capacity	Width	Overall Height Including Sump	Length	Sump Depth	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White	Skid not included with tank. See below for skids.
200	40"	30"	66"	3/4"	8"	1 1/4" & 1 1/4"	41252	
300	48"	36"	70"	3"	16"	1 1/4" & 1 1/4"	40327	
500	57"	44"	82"	5"	16"	1 1/4" & 1 1/4"	40328	
750	69"	48"	88"	3"	16"	2"	40329	
1000	78"	55"	90"	3"	16"	2"	40330	
1600 *	78"	54"	138"	2 1/2"	16"	2"	47111	
2550 **	88"	82"	142"	9"	16"	3"	47677	

* Includes 1 stainless steel baffle ** The 2550 requires support bands



Elliptical Tank Skids (See dimensional drawings at left.)

Tank Size (Gallon)	Tank Part No.	A	B	C	D	E	F	Part No.
200	41252	4"	24"	52"	57"	2" x 68"	8"	63015
300	40327	4"	34"	46 1/4"	54 1/4"	2" x 76"	8"	63016
500	40328	4"	34"	60"	68"	2" x 94"	8"	63018
750	40329	4"	38"	69 1/2"	78"	2" x 112"	8"	60371
1000	40330	4"	46"	60"	72"	2" x 130"	8"	60372
2550*	47677	—	—	—	—	—	—	67456

* Band only, no skid. The 2550 requires 4 support bands, part #67456.

Replacement bands and hardware are available. Please contact Norwesco Customer Service for details.

Applicator, Inductor, Total Drain and Spot Sprayer Tanks

Whether you're looking for a new or replacement tank, you'll find it in the Norwesco line. All Norwesco applicator tanks feature a lid which threads directly into the fill-opening of the tank to prevent the sloshing or leaking of tank contents during transport or application. The inductor tanks are suitable for mixing chemicals when filling a tank. The spot sprayers feature threaded inserts on the bottom of the tank for mounting purposes, on one side for wand/gun placement and on the top for a 12 volt pump. Please refer to page 180 steel supports.

Applicator Tanks

Gallon Capacity	Diameter	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
20 ♂	15"	18"	31"	5"	3/4"	61737
30 ♂	23"	26"	21"	5"	3/4"	41799
55 ♂	23"	27"	34"	5"	3/4"	45193
85 ♂	23"	26"	52"	5"	3/4"	45105
100 ♂	24"	28"	57"	8"	3/4"	60204
110 ♂	30"	34"	41"	8"	1 1/4" & 1 1/4"	45053
150	30"	33"	58"	8"	1 1/4" & 1 1/4"	40648
150	32"	35"	46"	8"	1 1/4" & 1 1/4"	45117
200	32"	35"	62"	8"	1 1/4" & 1 1/4"	45059
200	38"	42"	47"	8"	1 1/4" & 1 1/4"	45061
300	38"	41"	68"	8"	1 1/4" & 1 1/4"	40135
400	42"	45"	74"	8"	1 1/4" & 1 1/4"	40137
500	48"	51"	75"	8"	1 1/4" & 1 1/4"	40274
150 Slim Line	28"	41"	50"	8"	1 1/4" & 1 1/4"	40777
200 Slim Line	24"	48"	61"	8"	1 1/4" & 1 1/4"	41305
200 Slim Line	31"	46"	48"	8"	1 1/4" & 1 1/4"	40780

♂ May ship UPS Oversize

Inductor Tanks

Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
15 ♂	19"	23"	8"	2"	60214
15 ♂	24"	21"	16"	2"	42064
30 ♂	24"	28"	16"	2"	42065
35 ♂	23"	29"	8"	2"	45098
60 ♂	31"	32"	16"	2"	62205
60	24"	42"	16"	2"	42066

♂ May ship UPS Oversize

Total Drain Tanks

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
5 square ‡	11"	18"	11"	8"	1 1/4"	42321
10 square ‡	13"	21"	13"	8"	1 1/4"	42351
12 ‡	14"	15"	18"	5"	3/4"	60521

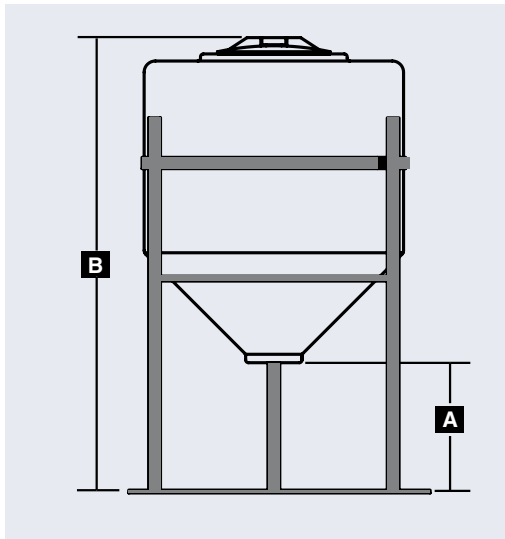
‡ May ship UPS Dimensional Weight

Spot Sprayer Tanks

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
14 ‡	14"	15"	31"	5"	—	45115
25 ♂	18"	18"	36"	5"	—	62080

‡ May ship UPS Dimensional Weight ♂ May ship UPS Oversize





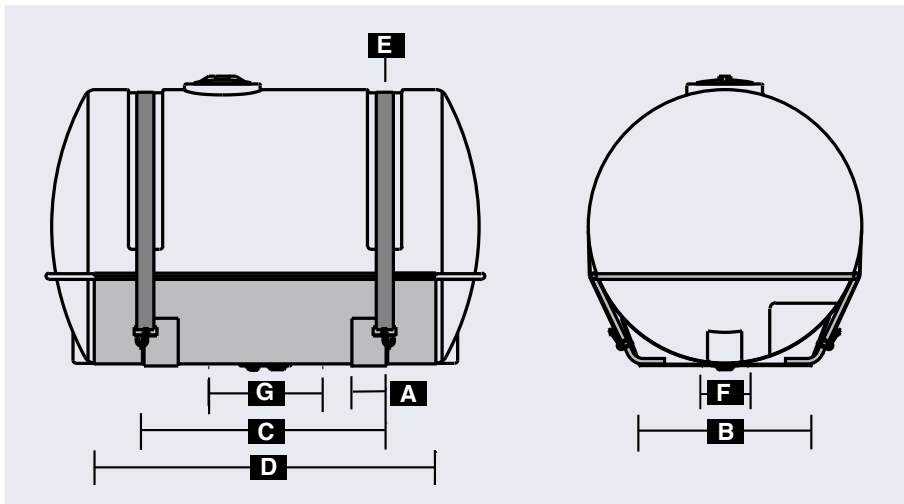
Inductor Stands and Applicator Saddle Assemblies

Designed to provide necessary support for the applicator/inductor tank during use. Norwesco saddles include polyester straps, buckles and bolts to secure tanks, and inductor stands are supplied with all necessary hardware.

Inductor Tank Stands (See dimensional drawing at left.)

Tank Size (Gallon)	Tank Part No.	A	B	Part No.
15 × 19"D ⌘	60214	15½"	38"	60313
15 × 24"D ⌘	42064	13½"	36"	63397
30 × 24"D ⌘	42065	13½"	43"	63397
35 × 23"D ⌘	45098	15"	44"	65517
60 × 31"D ⌘	62205	14½"	47"	62204
60 × 24"D ⌘	42066	13¼"	56"	63397

⌘ May ship UPS Oversize



Replacement bands and hardware are available. Please contact Norwesco Customer Service for details.

Applicator Tank Saddle Assemblies (See dimensional drawings above.)

Tank Size (Gallon)	Tank Part No.	A	B	C	D	E	F	G	Part No.
30 ‡	41799	3"	19"	13½"	13½"	2" x 54"	8"	7¾"	60321
55 ‡	45193	6"	18⅞"	24"	24"	2" x 48"	—	12"	60303
85 ‡	45105	6"	18⅞"	24"	24"	2" x 48"	—	12"	60303
110 ‡	45053	6"	23¾"	28¾"	34¾"	2" x 72"	—	10¾"	60315
150-30" ‡	40648	6"	23¾"	28¾"	34¾"	2" x 72"	—	10¾"	60315
150-32" ‡	45117	6"	23¾"	28¾"	34¾"	2" x 72"	—	10¾"	60315
200-32"	45059	6"	24⅞"	36"	60"	2" x 96"	8"	13¼"	63019
200-38"	45061	6"	24¾"	34"	42"	2" x 96"	—	13¼"	63020
300-38"	40135	6"	24¾"	34"	60"	3" x 96"	8"	12"	63021
400-42"	40137	6"	30⅞"	42½"	60"	3" x 96"	8"	12"	63022
500-48"	40274	6"	30⅞"	42½"	60"	3" x 132"	8"	12"	63023

‡ May ship UPS Dimensional Weight



Black or Dark Green Water Tanks

Our water tanks are manufactured using resins that meet FDA specifications to ensure safe storage of potable water. The black or green color limits light penetration, which reduces the growth of waterborne algae. These tanks are rated at 8 pounds per gallon, which means that they are for WATER STORAGE ONLY! They should not be used for chemicals, fertilizers or any other product. Where applicable, the tanks will carry the NSF approval. Please contact your distributor for more specific information regarding NSF approval.

Gallon Capacity	Diameter	Overall Height	Fill Opening	Bottom Fitting	Top Fitting
305	46"	50"	16"	2"	1½"
550	67"	44"	16"	2"	1½"
1000	64"	80"	16"	2"	1½"
1100	87"	53"	16"	2"	1½"
1350	71"	88"	16"	2"	1½"
1500	95"	58"	16"	2"	1½"
1550	87"	67"	16"	2"	1½"
2500	95"	91"	16"	2"	1½"
2500	102"	79"	16"	2"	1½"
3000	95"	109"	16"	2"	1½"
3000	102"	93"	16"	2"	1½"
5000	102"	152"	16"	2"	1½"
5000 Peanut Can	119"	112"	16"	2"	1½"
5000 Tuna Can	141"	86"	16"	2"	1½"
10,000 *	141"	160"	16"	2"	—

Please refer to www.norwesco.com for part numbers and tank availability locations.

*Includes one bottom fitting only.

Standard Fittings: Bottom Fitting—One 2" Part No. 60405; Top Fitting—One 1½" Part No. 60124

Specialty Water Tanks



2400 Gallon Horizontal Box Tank

Horizontal Box Tank

The low profile design of this tank makes it ideal for use on trailers or in the back of a truck. The slosh reduction ribs provide excellent structural support. It can also be used as a stationary water storage tank.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
2400	90"	53"	150"	16"	2"	40912



1250 and 1500 Gallon Low Profile Tank

Low Profile Water Tank

The 1250 and 1500 gallon low profile tanks may be used for storage or transport. They are an excellent choice when height limitations are a factor and are the perfect height for putting under your cottage or cabin.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No.
1250	81"	38"	130"	16"	2"	40756
1500	81"	44"	130"	16"	2"	41392

Free Standing Water Tank

These tanks have been specifically designed with residential and commercial applications in mind. The dimensions of the 250, 300, 400 or 500 gallon allow it to fit through a conventional doorway. The design of the freestanding/self-supporting tanks eliminate the need for a steel support frame.



300 and 400 Gallon Free Standing Tank

Free Standing Water Tank

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White
250	29"	40"	62"	16"	1¼"	42337
300	29"	48"	62"	16"	1¼"	41869
400	29"	65"	62"	16"	1¼"	41247
500	31"	70"	74"	16"	1¼"	43616

Containment Basins/Tanks

Be kind to the environment and limit your liability by using a Norwesco polyethylene containment tank. Federal, state and local agencies are enforcing stringent rules and regulations regarding spills, leaks and overflows from primary containment tanks. These spills can be hazardous and costly and with that in mind, we have designed our containment basins and tanks to meet your containment needs. Our containment basins and tanks are impact and corrosion resistant and are molded as a one-piece, seamless unit. The 250, 500 and 1300 gallon sizes are "basin style"; the 1350 is an open top tank and the 2800 "Tank In A Tank" is molded with a dome that can be cut off to enable it to be used as a containment tank. Required containment capacity may vary depending on application and location.

Gallon Capacity	Width/ Diameter	Overall Height	Length	Fill Opening	Premium Weight Part No.	Color
250	68"	11"	92"	—	42114	Black
500	80"	19"	92"	—	42051	White
1300	97"	22"	175"	—	42195	Black
1350	87" Diameter	53"	—	—	42052	White
2800*	102" Diameter	104"	—	16"	42222	White

*Tank In A Tank.



250 Gallon Containment Basin

1300 Gallon Containment Basin



500 Gallon Cone Bottom Tank with Polyethylene Stand

1600 Gallon Cone Bottom Tank with Polyethylene Stand

3000 Gallon Cone Bottom Tank with Heavy Duty Steel Stand

Cone Bottom Tanks

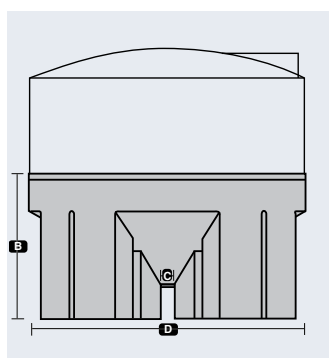
Norwesco offers a full range of cone bottom tanks designed for a variety of applications. The conical bottoms enable quick and complete drainage. As with all Norwesco tanks, the cone bottom tanks are molded of rugged, high density polyethylene and are both impact and chemical resistant. Please refer below for polyethylene or steel stands.

Gallon Capacity	Diameter	Overall Height	Slope	Fill Opening	Outlet/Drain Specification	Premium Weight Part No. White	Heavy Weight Part No. Blue
175 w/stand*	43"	49"/9"†	30°	16"	2"	60113	—
300 w/stand*	49"	61"/9"†	30°	16"	2"	62343	—
310 w/stand*	43"	72"/9"†	30°	8"	2"	62441	—
500 w/stand*	49"	87"/9"†	30°	16"	2"	40289	—
750	72"	56"	20°	16"	2"	40811	—
750 w/stand*	73"	67"/11"†	20°	16"	2"	40809	—
1050	72"	75"	20°	16"	2"	40356	—
1050 w/stand*	73"	86"/11"†	20°	16"	2"	40359	—
1600	88"	84"	30°	16"	2"	40817	40819
1600 w/stand*	89"	96"/11"†	30°	16"	2"	40813	40815
2500	95"	105"	30°	16"	2"	40066	40129
2500 w/stand*	96"	116"/10"†	30°	16"	2"	40672	40674
3000	95"	123"	30°	16"	2"	40170	40172
3000 w/stand*	96"	134"/10"†	30°	16"	2"	40797	40799
3000 15° slope**	91"	120"	15°	16"	3"/2"	45141	—
5500	119"	148"	30°	16"	3"/2"	40549	40316
6000	102"	195"	15°	16"	3"/2"	40931	40933
7500	141"	149"	30°	16"	3"/2"	40551	40409

*Polyethylene stand

**Stand not available for this tank

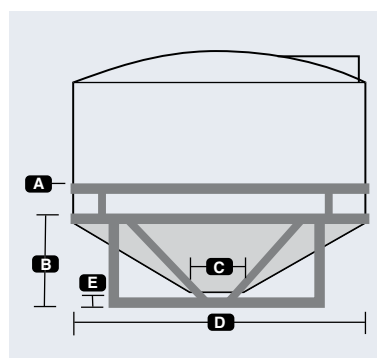
†Distance from bottom of cone to ground



Polyethylene Cone Bottom Stands

Maintenance free, light-weight Norwesco polyethylene stands offer unequalled corrosion resistance.

Tank Size (Gallon)	A	B	C	D
175	—	31½"	8"	43"
300	—	32"	8"	49"
310	—	31½"	8"	43"
500	—	32"	8"	49"
750	—	34"	10"	73"
1050	—	34"	10"	73"
1600	—	46"	10"	89"
2500/3000 (30°)	—	47"	10"	96"



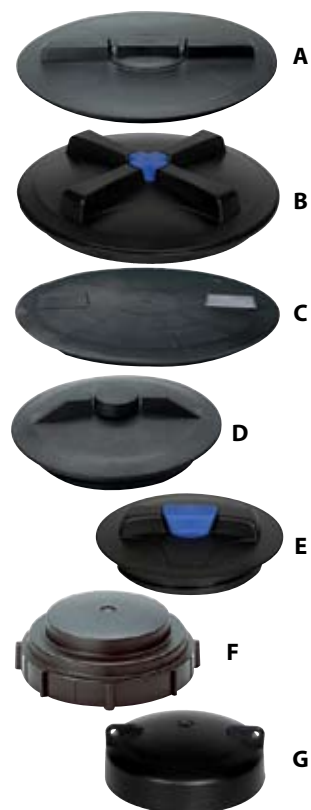
Heavy Duty Steel Cone Bottom Stands

Norwesco heavy duty cone bottom stands are manufactured from structural steel and offer a full dish for uniform support. An optional top band is available for the 2500/3000 steel stand when additional support is needed.

Tank Size (Gallon)	A	B	C	D	E	Part No.
2500/3000 (30°)	—	36"	11"	96"	11"	60059
5500	—	45"	11"	119"	12½"	60358
6000	—	25"	13"	102"	12⅛"	62473
7500	—	49"	11"	140"	10¾"	61860
2500/3000 (30°)	Optional Top Band Assembly	—	—	—	—	60359

High Density Polyethylene Lids

Description	Item Code	Part No.
16" Lid and ring with 4" center lid/air vent		60038
16" Lid with 4" center lid/air vent	A	60011
16" Lid and ring with blue snap-in vent	B	63485
16" Lid with blue snap-in vent		63483
16" Ring only		60012
16" Lid, ventless with ring		60367
16" Lid, ventless	C	60365
Ethafoam gasket for 16" non-hinged lid		62941
4" Lid (air vent assembly for 16" lid (60038 and 60011)		60019
Blue snap-in vent for 16" lid (63483 and 63485)		63539
8" Lid, ring and air vent		60032
8" Lid with air vent	D	60002
8" Ring only (for 60002 lid)		60003
Snap on air vent for 8" lid only (60002)		61727
8" Lid with blue snap-in vent	E	63480
Blue snap-in vent for 8" lid (63480)		63482
5" Lid with ball check air vent (for tanks manufactured prior to 2/1/00)	F	60322
5" Lid with ball check air vent (for tanks manufactured after 2/1/00)	G	63484
5" Lid with 2" FPT (does not include vent cap)		63264
EPDM gasket for 5" lid, 60322, 63264 or 63484		60366
2" MPT vent cap with poly screen		63266
18" lanyard for 8" lid and 16" non-hinged lid (tethers lid to tank)		62531
Stainless steel screw for 8" and 16" rings		60081
Strainer basket for 16" fill-opening (7" depth)		67374



Hinged Lid

This lid is manufactured from a co-polymer material for strength, durability and excellent chemical resistance. Our unique locking tab allows you to easily slip a padlock through it and secure your lid from theft or spills. The lid is interchangeable with a standard 16" lid and ring assembly if you choose to replace your existing lid.

- Easy open/close – opens a full 180 degrees
- Comes complete with a baffle vent assembly, allowing for adequate venting when bottom filling your tank.
- Unique locking tab
- All parts of lid may be ordered as repair parts

Description	Part No.
Complete lid assembly	62532

Hinged Lid Repair Parts

Description	Part No.
16" hinged lid with vent assembly, without ring	62826
16" hinged lid, ventless, without ring	63390
Vent assembly	62827
Ring assembly	62828
Hinge assembly	62829
EPDM O-ring for lid	62830
Neoprene O-ring for ring	62831



Polyethylene Tank Repair Kits

The tank repair kit (welding gun and rod) includes a specially formulated welding wire containing co-polymers and adhesives. Wire may be used to effectively repair linear polyethylene. Easy to use and requires only 110 volt power. The poly patch kit is ideal for repairing pinholes, hairline cracks and holes up to 1/2" in diameter. For best results, surface to be repaired should be above 32° F. The kit consists of epoxy, a small brush to apply the epoxy, a small piece of sandpaper to "roughen" the area to be patched, a piece of mastic to temporarily fill the hole/crack and a piece of fiberglass.

Description	Part No.
Poly welding gun & rod	60221
Poly welding rod 30'	61879
Poly patch kit	67412

Poly Welding Gun





Polypropylene Bulkhead Fittings / EPDM Or Viton Gaskets

Norwesco's polypropylene fittings come standard with an EPDM gasket. Viton gaskets are available as an option when EPDM may not be suitable for your application. The 2" stainless steel bulkhead fitting comes standard without a gasket.

Description	Hole Size Required in Tank for Installation	Part No.	Item Code
1/2" Heavy duty double threaded polypropylene fitting	1 7/16"	62834	A
3/4" Double threaded polypropylene fitting	1 7/16"	60401	A
EPDM gasket for 1/2" and 3/4" (62834 and 60401)		60402	
Type B Viton gasket for 1/2" and 3/4" (62834 and 60401)		60360	
3/4" Heavy duty double threaded polypropylene fitting	1 5/8"	62798	A
EPDM gasket 3/4" (62798)		62799	
Type B Viton gasket for 3/4" (62798)		62800	
1" Double threaded polypropylene fitting	2 1/4"	60427	A
1 1/4" Double threaded polypropylene fitting	2 1/4"	60403	A
1 1/4" Anti-vortex polypropylene fitting	2 1/4"	63065	D
EPDM gasket for 1" and 1 1/4" (60427, 60403 and 63065)		60404	
Type B Viton gasket for 1" and 1 1/4" (60427, 60403 and 63065)		60361	
Anti-vortex adapter for 1 1/4" (60403)		62398	
1 1/2" Double threaded polypropylene fitting	3"	60124	A
Siphon tube, 1 1/2" x 12" long		63279	
2" Double threaded polypropylene fitting	3"	60405	A
2" Double threaded 316 stainless steel fitting, less gasket	3"	61767	
EPDM gasket for 1 1/2" and 2" (60124, 60405, 63481 and 61767)		60406	
Type B Viton gasket for 1 1/2" and 2" (60124, 60405, 63481 and 61767)		60523	
2" Standard duty double threaded polypropylene fitting	3"	63481	E
2" Heavy duty double threaded polypropylene fitting with siphon tube	3 1/4"	60337	B
EPDM gasket for 2" (60337)		60336	
Type B Viton gasket for 2" (60337)		60008	
Siphon tube, 2" short		60335	
Siphon tube, 2" x 12" long		63262	
2" MPT vent cap with poly screen		63266	
2" MPT vent cap, anti-vortex, without screen		63316	
Anti-vortex adapter for 2" bulkhead fitting		62399	
2" Polypropylene dust plug		60021	
3" Double threaded polypropylene fitting (hex nut as shown in photo C)	4 1/2"	62299	
3" Double threaded polypropylene fitting with 2" reducer and siphon tube	4 1/2"	60339	C
EPDM gasket for 3" (62299 and 60339)		60331	
Type B Viton gasket for 3" (62299 and 60339)		60351	
2" Polypropylene reducer for 3"		60330	
Siphon tube, 3" short		60327	
Siphon tube, 3" x 12" long		63263	
4" Double threaded polypropylene fitting (hex nut as shown in photo C)	5 3/4"	62171	
EPDM gasket for 4" (62171)		62785	
Type B Viton gasket for 4" (62171)		62786	
Siphon tube for 4"		62714	

Bolted Fittings

Polypropylene Bolted Fittings / EPDM or Viton Gaskets (Require two gaskets.)

Bolted polypropylene fittings are equipped with 316 stainless steel bolts and come standard with EPDM gaskets. Viton gaskets are available as an option for the fittings.

Description	Part No.	Item Code
¾" Polypropylene bolted fitting with ss bolts and EPDM gaskets	60502	A
1" Polypropylene bolted fitting with ss bolts and EPDM gaskets	60505	A
EPDM gasket for ¾" and 1"	60498	
Type B Viton gasket for ¾" and 1"	60355	
1½" Polypropylene bolted fitting with ss bolts and EPDM gaskets	60513	A
2" Polypropylene bolted fitting with ss bolts and EPDM gaskets	60516	A
EPDM gasket for 1½" and 2"	60497	
Type B Viton gasket for 1½" and 2"	60356	
3" Polypropylene bolted fitting with ss bolts and EPDM gaskets	62471	
EPDM gasket for 3"	62048	
Type B Viton gasket for 3"	60602	



Stainless Steel Double Threaded Bolted Fittings

Bolts are threaded into the back plate of the fitting so there are no welds or bolt holes that can be potential points of leakage. These fittings come standard without a gasket (with the exception of the 4") and require a single gasket that is installed on the inside of the tank. Available gaskets are cross-linked polyethylene, EPDM or Viton (4" fitting comes standard with a cross-linked polyethylene gasket).

Description	Part No.	Item Code
½" 316 Stainless steel double threaded bolted fitting less gasket	63216	B
¾" 316 Stainless steel double threaded bolted fitting less gasket	63035	B
1" 316 Stainless steel double threaded bolted fitting less gasket	62948	B
EPDM gasket for ½", ¾" & 1" (1 required)	63205	
Type B Viton gasket for ½", ¾" & 1" (1 required)	63224	
Cross-linked polyethylene gasket for ½", ¾" & 1" (1 required)	62950	
1¼" 316 Stainless steel double threaded bolted fitting less gasket	63036	B
Cross-linked polyethylene gasket for 1¼" (1 required)	63041	
1½" 316 Stainless steel double threaded bolted fitting less gasket	63037	B
EPDM gasket for 1¼" and 1½" (1 required)	63426	
Cross-linked polyethylene gasket for 1½" (1 required)	63042	
2" 316 Stainless steel double threaded bolted fitting less gasket	63038	B
EPDM gasket for 2" (1 required)	63206	
Type B Viton gasket for 1¼", 1½" and 2" (1 required)	63225	
Cross-linked polyethylene gasket for 2" (1 required)	62848	
3" 316 Stainless steel double threaded bolted fitting less gasket	63039	C
EPDM gasket for 3" (1 required)	63223	
Type B Viton gasket for 3" (1 required)	63226	
Cross-linked polyethylene gasket for 3" (1 required)	63043	
4" 316 Stainless steel 8-bolt double threaded bolted fitting with gasket	63069	
Cross-linked polyethylene gasket for 4" (1 required)	63070	



Stainless Steel Single Threaded Bolted Fittings

Description	Part No.
2" 316 Stainless steel single threaded bolted fitting less gasket	62847
EPDM gasket for 1¼", 1½" and 2" (1 required)	63206
Type B Viton gasket for 1¼", 1½" and 2" (1 required)	63225
Cross-linked polyethylene gasket for 2" (1 required)	62848
3" 316 Stainless steel single threaded bolted fitting, anti-vortex, less gasket	63233
EPDM gasket for 3" (1 required)	63223
Type B Viton gasket for 3" (1 required)	63226
Cross-linked polyethylene gasket for 3" (1 required)	63043



STRAINERS

LEDS

FITTINGS

BALL VALVES

COUPLERS



Valves & Couplers





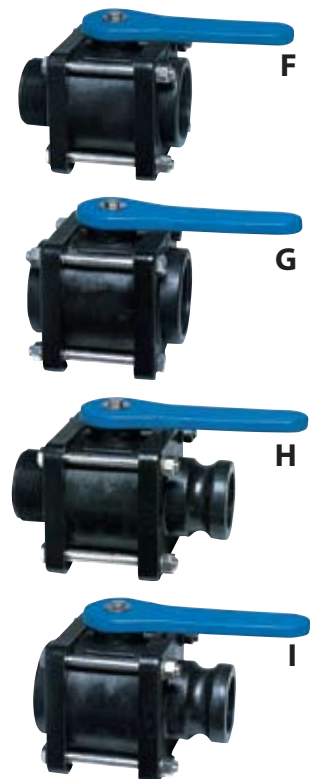
Bolted Ball Valves

- Manufactured from glass re-inforced polypropylene for strength and durability – will never rust or corrode.
- Self-aligning ball rotates freely against Teflon® seats.
- Unique body-to-flange design allows for low torque on/off operation.
- Viton O-ring stem seal and EPDM O-ring body seal.
- Available with blue Norwesco handle or blank yellow handle.
- Pressure rated at 125 PSI @ 70°F.
- All valves tested by air pressure under water.

Recommended Operating Pressure:

½" thru 3" – 100 PSI @ 0°F • 125 PSI @ 70°F • 70 PSI @ 150°F
4" – 70 PSI @ 0°F • 90 PSI @ 70°F • 50 PSI @ 150°F

Item Code	Description	Blue Handle Part No.	Yellow Handle Part No.	Standard Packaging
A	½" Full Port	60540	61115	24
A	¾" Full Port	60541	61116	24
A	1" Standard Port	60542	61117	24
A	1" Full Port	60543	61118	24
A	1¼" Standard Port	61734	61119	24
A	1¼" Full Port	60527	61120	24
A	1½" Full Port	60526	61121	24
D	1½" Full Port Nozzle	60544	61125	12
A	2" Standard Port	60529	61122	24
C	2" Standard Port M x F	62046	–	24
D	2" Standard Port Nozzle	60545	61126	12
B	2" Full Port	60528	61123	12
C	2" Full Port M x F	61876	–	12
D	2" Full Port Nozzle	60546	61127	9
B	3" Full Port	61720	61124	8
C	3" Full Port M x F	62047	–	8
E	4" Full Port	62787	62788	4



Compact Bolted Ball Valves

- Male pipe thread end flange and cam action coupler end flange eliminate the need for additional fittings.
- Manufactured from glass re-inforced polypropylene for strength and durability – will never rust or corrode.
- Self-aligning ball rotates freely against Teflon® seats.
- Unique body-to-flange design allows for low torque on/off operation.
- Viton O-ring stem seal and EPDM O-ring body seal.
- Available with blue Norwesco handle or blank yellow handle.
- Pressure rated at 125 PSI @ 70°F.
- All valves tested by air pressure under water.

Recommended Operating Pressure: 100 PSI @ 0°F • 125 PSI @ 70°F • 70 PSI @ 150°F

Item Code	Description	Blue Handle Part No.	Yellow Handle Part No.	Standard Packaging
F	2" Full Port M x F	62286	62308	12
G	2" Full Port F x F	62287	62309	12
H	2" Full Port M x M Coupler	62288	62310	12
I	2" Full Port F x M Coupler	62314	62313	12

Replacement parts available. See page 191

Single Union Ball Valves

- Manufactured from polypropylene.
- Teflon® seats.
- EPDM O-rings (viton kits available).
- Pressure rated at 125 PSI @ 70°F.
- All valves tested by air pressure under water.

Recommended Operating Pressure: 100 PSI @ 0°F • 125 PSI @ 70°F • 70 PSI @ 150°F

Item Code	Description	Part No.	Standard Packaging
A	½" Single Union	60409	24
A	¾" Single Union	60410	24
A	1" Single Union	60411	24
A	1¼" Single Union	60412	12
A	1½" Single Union	60413	12
A	2" Single Union	60414	12
A	3" Single Union	60415	4
B	1" 45° Nozzle Valve	60479	24



A



B

Multi-Port Ball Valves

- Manufactured from polypropylene.
- Teflon® seats.
- EPDM O-rings (viton kits available).
- Pressure rated at 125 PSI @ 70°F.
- All valves tested by air pressure under water.
- Three position settings: bottom-to-right, bottom-to-left or off.

Recommended Operating Pressure: 100 PSI @ 0°F • 125 PSI @ 70°F • 70 PSI @ 150°F

Item Code	Description	Part No.	Standard Packaging
C	¾" True Union (Full Port)	60417	24
D	2" Multi-port (Standard Port)	60418	12



C



D

Stainless Steel Ball Valves

- Manufactured from 316 stainless steel.
- Full port construction.
- Water, oil and gas rated to 1000 PSI.
- Locking handle.
- Teflon® seats and seals.
- Polished stainless steel ball for precise operation.
- Tested by air pressure under water.

Recommended Operating Pressure: 1,000 PSI @ -20°F • 1,000 PSI @ 100°F • 200 PSI @ 350°F

Item Code	Description	Part No.
E	¾" Full Port	60480
E	½" Full Port	60481
E	¾" Full Port	60482
E	1" Full Port	60483
E	1¼" Full Port	60484
E	1½" Full Port	60485
E	2" Full Port	60487
E	3" Full Port	60488



E

Replacement parts available. See page 192



A



B



MESH SCREEN
for 3" Y-Line Strainer

Y-Line Strainers

- Manufactured from glass re-inforced polypropylene.
- Protects and prevents clogging of pipelines, pumps and spray tips.
- Easy access for cleaning.
- Sizes from ½" to 3".
- 6 to 80 mesh 304 stainless steel screens. Screen for 3" is polypropylene reinforced.
- Standard with EPDM gaskets.
- 3" strainer features a ½" drain plug in bottom of cap.

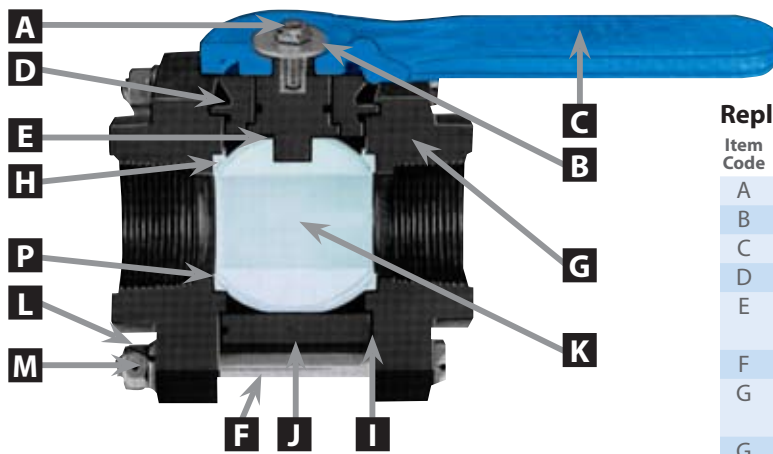
Recommended Operating Pressure:

½" thru 2" – 70 PSI @ 0°F • 90 PSI @ 70°F • 50 PSI @ 150°F

3" – 55 PSI @ 0°F • 70 PSI @ 70°F • 40 PSI @ 150°F

Item Code	Description	Part No.	Standard Packaging
A	½" with 20 Mesh Screen	61472	12
A	½" with 40 Mesh Screen	61473	12
A	½" with 80 Mesh Screen	61474	12
A	¾" with 20 Mesh Screen	61475	12
A	¾" with 40 Mesh Screen	61476	12
A	¾" with 80 Mesh Screen	61477	12
A	1" with 20 Mesh Screen	61478	12
A	1" with 40 Mesh Screen	61479	12
A	1" with 80 Mesh Screen	61480	12
A	1¼" with 20 Mesh Screen	61738	12
A	1¼" with 40 Mesh Screen	61740	12
A	1¼" with 80 Mesh Screen	61741	12
A	1½" with 20 Mesh Screen	61488	12
A	1½" with 40-20 Mesh Screen	61489	12
A	1½" with 80-20 Mesh Screen	61490	12
A	2" with 20 Mesh Screen	61493	12
A	2" with 40-20 Mesh Screen	61494	12
A	2" with 80-20 Mesh Screen	61495	12
B	3" with 6 Mesh Screen	62337	–
B	3" with 12 Mesh Screen	62338	–
B	3" with 20 Mesh Screen	62339	–
B	3" with 40 Mesh Screen	62340	–

Replacement parts available. See page 192



Replacement Part Item Codes

Item Code	Description	Item Code	Description
A	Stem Cap Screw	G	Flange End Flange with Teflon® Seat
B	Stem Flat Washer	H	Teflon® Seat
C	Valve Handle	I	Large Body EPDM O-Ring Seal
D	Viton Stem O-Ring(s)*	J	Valve Body
E	Valve Stem with Viton O-Ring(s)	K	Valve Ball
F	Stainless Steel Bolt	L	Stainless Steel Lock Washer
G	End Flange with Teflon® Seat	M	Stainless Steel Hex Nut
G	Male End Flange with Teflon® Seat	P	Seat O-Ring
G	Male Coupler End Flange with Teflon® Seat		

*4" requires 2 stem o-rings.

Bolted Ball Valve Replacement Parts

Item Code	Description	1/2" FP	3/4" FP	1" STD	1" FP	1 1/4" STD	1 1/4" FP	1 1/2" FP	2" STD	2" FP Compact	2" FP	3" FP	4" FP	1 1/2" FPNZ	2" STDNZ	2" FPNZ
A	Stem Screw	61347	61347	61347	61347	61347	-	-	-	-	-	-	-	-	-	-
B	Stem Cap Screw & Flat Washer	-	-	-	-	-	61350	61350	61350	61350	61351	61351	61351	61350	61350	61351
C-1	Yellow Blank Handle	61783	61783	61783	61784	61784	61785	61785	61785	61785	61786	61786	62838	61787	61787	61788
C-2	Norwesco Blue Handle	61721	61721	61721	61722	61722	61723	61723	61723	61723	61724	61724	62839	61725	61725	61726
D	Viton Stem O-Ring(s)*	61497	61497	61497	61497	61497	61425	61425	61425	61425	61447	61447	62817	61425	61425	61447
E	Valve Stem w/Viton O-Ring(s)	61359	61359	61359	61446	61446	61360	61360	61360	61360	61361	61361	62818	61360	61360	61361
F	Stainless Steel Bolt, Hex Nut & Lock Washer	61421	61421	61421	61422	61422	61423	61423	61423	61424	61424	62208	62819	61423	61423	61424
G	End Flange w/Teflon® Seat	62051	62052	62053	62054	62055	62056	62057	62059	62316	62060	62065	62820	62057	62059	62060
G	Male End Flange w/Teflon® Seat	-	-	-	-	-	-	-	62064	62317	62063	62066	-	-	-	-
G	Male Coupler End Flange w/Teflon® Seat	-	-	-	-	-	-	-	-	62318	-	-	-	-	-	-
G	Flange End Flange w/Teflon® Seat	-	-	-	62929	-	-	-	-	62930	-	62931	-	-	-	-
H	Teflon® Seat	62077	62077	62077	62076	62076	62075	62075	62075	62074	62074	62073	62821	62075	62075	62074
I	Large Body EPDM O-Ring Seal	61378	61378	61378	61379	61379	61380	61380	61380	62319	61381	61382	62822	61380	61380	61381
J	Valve Body	61383	61383	61383	61384	61384	61385	61385	61385	62315	61386	61387	62823	61385	61385	61386
K	Valve Ball	61388	61388	61388	61389	61389	61390	61390	61390	62312	61391	61392	62824	61390	61390	61391
N	Top Flange w/Teflon® Seat for Nozzle	-	-	-	-	-	-	-	-	-	-	-	-	62058	62061	62062
O	Nozzle Pipe	-	-	-	-	-	-	-	-	-	-	-	-	61400	61401	61401
P	Seat O-Ring	-	-	-	-	-	-	-	-	-	-	62114	-	-	-	-

Multi-Port Ball Valve Replacement Parts

Size	Repair Kit–EPDM O-Rings and Teflon® Seats (2)	Optional Repair Kit–Viton O-Rings (3)	T-Ball	Handles	Valve Stem with EPDM O-Ring
¾"	61733	60438	60429	61735	60452
2"	60435	60442	60428	61736	60456

Single Union Replacement Parts

Size	Repair Kit–EPDM O-Rings (3) and Teflon® Seats (2)	Repair Kit–Optional Viton O-Ring (3)	Handles	Valve Stem with EPDM O-Ring
½"	60430	60437	60444	60451
¾"	60431	60438	60445	60452
1"	60432	60439	60446	60453
1¼"	60433	60440	60447	60454
1½"	60434	60441	60448	60455
2"	60435	60442	60449	60456
3"	60436 *	60443 **	60450	60457

* Includes 4 EPDM O-Rings & 2 Teflon® Seats

** Includes 4 Viton O-Rings

Stainless Steel Valve Replacement Parts

Description	¾"	½"	¾"	1"	1¼"	1½"	2"	3"
Repair Kit*	62374	62375	62376	62377	62378	62379	62380	62381
Handle	62369	62370	62370	62371	62371	62372	62372	62373

*Kit includes 2 Teflon® seats, 1 Teflon® body seal and 2 Teflon® stem seals.

Cam Action Coupler Replacement Parts

Description	½"	¾"	1"	1¼"	1½"	2"	3"	4"
EPDM Gasket	61570	61570	61571	61572	61572	61574	61575	62797
Key Ring	61589	61589	61589	61589	61589	61589	61589	61589
Stainless Steel Pin	61582	61582	61582	61585	61585	61585	61584	61584
Stainless Steel Handle	61594	61594	61594	61595	61595	61595	61596	61596
Polypropylene Shims	61715	61715	61716	61717	61717	61718	61719	–
Locking Pin	–	–	–	63545	63545	63545	–	–

Y-Line Strainer Replacement Parts

Description	½"	¾"	1"	1¼"	1½"	2"	3"
EPDM Gasket	61452	61452	61750	61750	61561	61561	–
YLS w/o Screen	61307	61308	61309	61748	61287	61288	62334
6 Mesh Screen	–	–	–	–	62306	62306	62231
12 Mesh Screen	–	–	–	–	62307	62307	62249
20 Mesh Screen	61449	61449	61749	61749	61508	61508	62252
40 Mesh Screen	61450	61450	61746	61746	61509	61509	62261
80 Mesh Screen	61451	61451	61747	61747	61510	61510	62400
EPDM Body O-Ring	–	–	–	–	–	–	62266
EPDM Plug O-Ring	–	–	–	–	–	–	62283
Cap only w/Plug & O-Ring	–	–	–	–	61567	61567	62335

T-Line Strainer Replacement Parts

Description	½"	¾"	1"
EPDM Gasket	61537	61537	61537
TLS w/o Screen	61283	61284	61285
20 Mesh Screen	61404	61404	61404
40 Mesh Screen	61405	61405	61405
80 Mesh Screen	61406	61406	61406

VERTICAL STORAGE TANKS

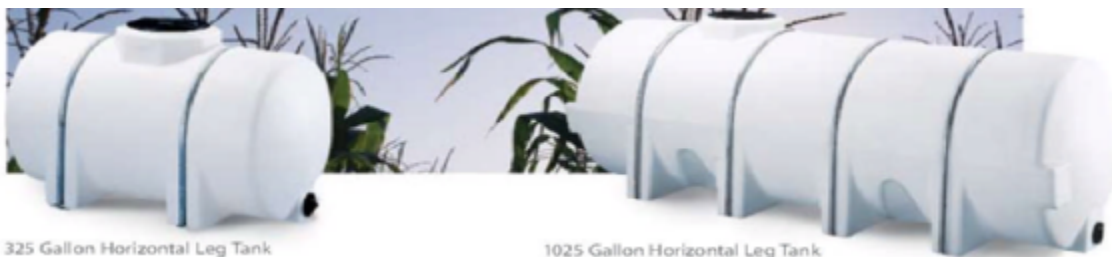
H - DENOTES HEAVY DUTY TANK

* - DENOTES CALL FOR PRICING ON THESE TANKS



Capacity (US Gal.)		Green Lea #	Norwesco #	DIA.	Length/Height	Imp. Gal	List Price
25		NOR41867	41867	18	29	21	
50		NOR41865	41865	18	53	41	
65		NOR45192	45192	23	38	55	
75		NOR41863	41863	23	49	62	
100		NOR41861	41861	28	43	84	
105		NOR40803	40803	23	63	87	
150		NOR41859	41859	30	56	125	
165		NOR40281	40281	31	56	139	
200		NOR41856	41856	30	72	167	
210		NOR47401	47401	32	69	175	
250		NOR41854	41854	30	89	208	
300		NOR40213	40213	36	79	252	
305		NOR40302	40302	46	50	256	
500		NOR40148	40148	48	73	420	
550		NOR40023	40023	67	44	462	
750		NOR40606	40606	48	103	630	
1000		NOR40152	40152	64	80	840	
1000	H	NOR40154	40154	64	80	840	
1100		NOR40070	40070	87	53	924	
1100	H	NOR40081	40081	87	53	924	
1500		NOR40144	40144	64	116	1260	
1500	H	NOR40146	40146	64	116	1260	
1550		NOR40235	40235	87	67	1302	
1550	H	NOR40236	40236	87	67	1302	
1700		NOR40010	40010	87	74	1428	
1700	H	NOR40012	40012	87	74	1428	
2100		NOR40178	40178	87	89	1764	
2100	H	NOR40241	40241	87	89	1764	
2500		NOR40051	40051	95	91	2100	
2500	H	NOR40052	40052	95	91	2100	
3000		NOR40754	40754	95	109	2520	
3000	H	NOR40755	40755	95	109	2520	
3000 H/w/3"		NOR43093	43093	95	109	2520	
4000		NOR40312	40312	102	125	3360	
4200		NOR41403	41403	102	131	3500	
5000		NOR40164	40164	102	152	4200	
5000	H	NOR40166	40166	102	152	4200	
6100		NOR40659	40659	119	140	5090	*
6100	H	NOR40661	40661	119	140	5090	*
10000		NOR40545	40545	141	160	8400	*
10000	H	NOR40353	40353	141	160	8400	*
12000		NOR40539	40539	141	193	10080	*
12000	H	NOR40541	40541	141	193	10080	*

HORIZONTAL LEG TANKS



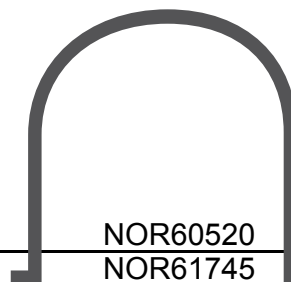
Capacity (US Gal.)		Green Lea #	Norwesco #	DIA.	"Length/Height	Imp. Gal	List Price
35		NOR45223	45223	20	29/23	29	
55		NOR41873	41873	23	34/26	46	
65		NOR45191	45191	23	43/26	55	
125		NOR40298	40298	32	41/35	105	
225		NOR40299	40299	38	49/41	189	
325		NOR40217	40217	38	68/43	273	
425		NOR42016	42016	49	60/54	357	
525		NOR40181	40181	49	71/54	441	
525	H	NOR40193	40193	49	71/54	441	
725	*	NOR40180	40180	49	101/54	609	
725	*H	NOR40194	40194	49	101/54	609	
1025	*	NOR40089	40089	49	139/54	861	
1025	*H	NOR40131	40131	49	139/54	861	
1325	*	NOR41875	41875	66	99/70	1100	
1325	*H	NOR41877	41877	66	99/70	1100	
1625	*	NOR40026	40026	63	134/68	1365	
1625	*H	NOR40133	40133	63	134/68	1365	
5025	*	NOR41879	41879	92	190/97	4180	
5025	*H	NOR41881	41881	92	190/97	4180	
710	*D	NOR40655	40655	47	104/57	595	
1010	*D	NOR40393	40393	47	140/58	848	

* - DENOTES TANK REQUIRES SUPPORT BANDS

H - DENOTES HEAVY DUTY TANK

D - DENOTES DRAIN TANK WHICH REQUIRES SUPPORT OVER FULL LENGTH

STEEL SUPPORT BANDS



35 HORIZONTAL BAND	NOR60520	60520
55/65 HORIZONTAL BAND	NOR61745	61745
125 HORIZONTAL BAND	NOR61744	61744
225 & 325 HORIZONTAL BAND	NOR60478	60478
425,525,725,1025 HORIZ. BAND	NOR60057	60057
1310, 1325 HORIZONTAL BAND	NOR63282	63282
1625 HORIZONTAL BAND	NOR60079	60079
5025 HORIZONTAL BAND	NOR63284	63284
710/1010 (Short) DRAINABLE BAND	NOR60584	60584
1010 (Long) DRAINABLE BAND	NOR60585	60585
1610 DRAINABLE BAND	NOR62434	62434

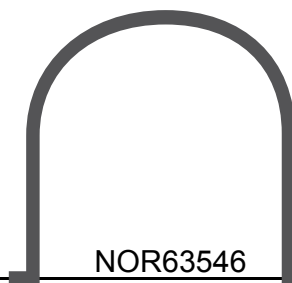
ELLIPTICAL LEG TANKS



L - DENOTES LEG TANK
H - DENOTES HEAVY DUTY TANK
(ALL LEG TANKS REQUIRE BANDS)

Capacity (US Gal.)		Green Lea #	Norwesco #	DIA.	"Length/Heighth	Imp. Gal	List Price
335	L	NOR42339	42339	48/33	71	281	
535	L	NOR42353	42353	57/39	80	450	
1035	L	NOR40191	40191	79/54	89	865	
1235	L	NOR40239	40239	65/53	128	1037	
1635	L	NOR40387	40387	71/58	142	1360	
1635	LH	NOR40388	40388	71/58	142	1360	
2035	L	NOR40618	40618	84/56	142	1709	
2035	LH	NOR40623	40623	84/56	142	1709	
2635	L	NOR40547	40547	90/72	140	2190	
2635	LH	NOR40283	40283	90/72	140	2190	
3135	L	NOR40686	40686	88/80	151	2600	
3135	LH	NOR40688	40688	88/80	151	2600	
4035	L	NOR41267	41267	92/75	192	3360	
4035	LH	NOR41269	41269	92/75	192	3360	

STEEL SUPPORT BANDS



335 ELLIPTICAL BAND	NOR63546	63546
535 ELLIPTICAL BAND	NOR63547	63547
1035 ELLIPTICAL BAND	NOR60325	60325
1235 ELLIPTICAL BAND	NOR60477	60477
1635 ELLIPTICAL BAND	NOR60586	60586
2035 ELLIPTICAL BAND	NOR62079	62079
2550 ELLIPTICAL BAND	NOR67456	67456
2635 ELLIPTICAL BAND	NOR60353	60353
3135 ELLIPTICAL BAND	NOR62097	62097
4035 ELLIPTICAL BAND	NOR62832	62832

SPOT SPRAYER TANKS



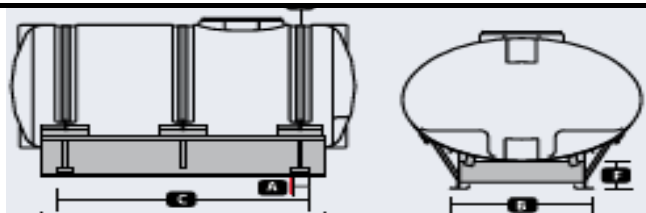
14	NOR45115	45115	14/15	31	12
25	NOR62080	62080	18/18	36	21

ELLIPTICAL TANKS



Capacity (US Gal.)	Green Lea #	Norwesco #	DIA.	Length/Height	Imp. Gal	List Price
200	NOR41252	41252	40/30	66	168	
300	NOR40327	40327	48/36	70	252	
500	NOR40328	40328	57/44	82	420	
750	NOR40329	40329	69/48	88	630	
1000	NOR40330	40330	78/55	90	840	
1600	NOR47111	47111	78/54	138	1335	
2550	NOR47677	47677	88/82	142	2125	

STEEL SKIDS



200 ELLIPTICAL SKID	NOR63015	63015
300 ELLIPTICAL SKID	NOR63016	63016
500 ELLIPTICAL SKID	NOR63018	63018
750 ELLIPTICAL SKID	NOR60371	60371
1000 ELLIPTICAL SKID	NOR60372	60372

PICK UP TANKS

210	NOR40300	40300	60/51	29	176
325	NOR40160	40160	62	33	273
425	NOR40102	40102	65	39	357

Total Drain Tank

5	NOR42321	42321	11	18/11	4
10	NOR42351	42351	13	21/13	8
12	NOR60521	60521	14	12/18	10

INDUCTOR TANKS

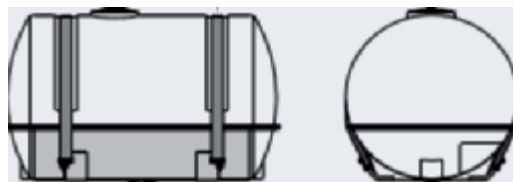
15	NOR60214	60214	19	23	13
15	NOR42064	42064	24	21	13
30	NOR42065	42065	24	28	25
35	NOR45098	45098	23	29	29
60	NOR62205	62205	31	32	50
60	NOR42066	42066	24	42	50

APPLICATOR TANKS



Capacity (US Gal.)	Green Lea #	Norwesco #	DIA.	"Length/Height	Imp. Gal	List Price
20	NOR61737	61737	15	18/31	17	
30	NOR41799	41799	23	26/21	25	
55	NOR45193	45193	23	27/34	46	
110	NOR45053	45053	30	34/41	92	
150	NOR45117	45117	32	35/46	126	
200	NOR45059	45059	32	35/62	168	
200	NOR45061	45061	38	42/47	168	
300	NOR40135	40135	38	41/68	252	
400	NOR40137	40137	42	45/74	336	
500	NOR40274	40274	48	51/75	420	

SADDLE ASSEMBLIES



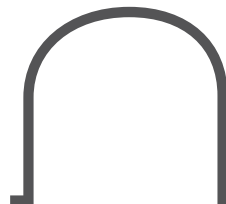
30 SADDLE ASSY.	NOR60321	60321
55 SADDLE ASSY.	NOR60303	60303
110 & 150 32" SADDLE ASSY.	NOR60315	60315
200 - 32" SADDLE ASSY.	NOR63019	63019
200 - 38" SADDLE ASSY.	NOR63020	63020
300 - 38" SADDLE ASSY.	NOR63021	63021
400 - 42" SADDLE ASSY.	NOR63022	63022
500 - 48" SADDLE ASSY.	NOR63023	63023

FLAT BOTTOM UTILITY TANKS



50	NOR42341	42341	19/23	38	42
100	NOR42343	42343	27/29	43	84
150	NOR42345	42345	36/29	48	126
200	NOR42347	42347	36/38	48	166

FLAT BOTTOM UTILITY STEEL SUPPORT BANDS



50	NOR63551	63551	2 Bands optional
100	NOR63552	63552	2 Bands optional
150	NOR63553	63553	2 Bands optional
200	NOR63554	63554	2 Bands optional

PCO TANKS (PEST CONTROL OPERATOR)



Capacity (US Gal.)	Green Lea #	Norwesco #	DIA.	"Length/Height	Imp. Gal	List Price
30	NOR41254	41254	19/23	25	25	
50	NOR40664	40664	19/22	38	41	
100	NOR40668	40668	30/28	38	83	
150	NOR40669	40669	36/28	48	124	
200	NOR41413	41413	36/37	48	168	
300	NOR41381	41381	36/37	69	252	

WATER TANKS



250	NOR42337	42337	29	40/62	210	
300	NOR41869	41869	29	48/62	252	
400	NOR43856	43856	29	65/62	336	
500	NOR43616	43616	31	70/74	410	

LOW PROFILE WATER TANKS



1275	NOR43011	43011	84	36/126	1070	
1600	NOR43013	43013	84	42/126	1344	

HORIZONTAL BOX TANKS



2400	NOR40912	40912	90	53/150	2016	
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MINI-BULK TANKS



120	NOR40318	40318	38	31	101	
220	NOR40320	40320	42	44	185	

CONE BOTTOM TANKS



* - DENOTES W/POLYETHYLENE STAND

H - DENOTES HEAVY DUTY TANK

Capacity

(US Gal.)		Green Lea #	Norwesco #	DIA.	"Length/Heighth	Imp. Gal	List Price
175	*	NOR60113	60113	43	49	147	
300	*	NOR62343	62343	49	61	252	
310	*	NOR62441	62441	43	72	260	
500	*	NOR40289	40289	49	87	420	
750	*	NOR40809	40809	72	67	630	
1050	*	NOR40359	40359	73	86	882	
1600	*	NOR40813	40813	89	96	1344	
1600	H*	NOR40815	40815	89	96	1344	
2500	*	NOR40672	40672	96	116	2100	
2500	H*	NOR40674	40674	96	116	2100	
3000	*	NOR40797	40797	96	134	2520	
3000	H*	NOR40799	40799	96	134	2520	
5500		NOR40549	40549	119	148	4620	
5500	H	NOR40316	40316	119	148	4620	
6000		NOR40931	40931	102	195	5040	
6000	H	NOR40933	40933	102	195	5040	
7500		NOR40551	40551	141	149	6300	
7500	H	NOR40409	40409	141	149	6300	

BLACK WATER TANKS

(FOR WATER STORAGE ONLY!)



305	NOR40702	40702	46	50	256
550	NOR40703	40703	67	44	462
1100	NOR40704	40704	87	53	924
1550	NOR40627	40627	87	67	1302
2500	NOR40631	40631	95	91	2100
3000	NOR40635	40635	95	109	2520
5000	NOR40641	40641	102	152	4200

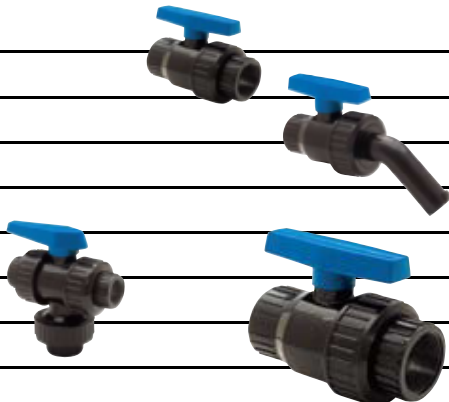
MISC. SUPPORTS

	Green Lea #	Norwes #	LIST PRICE
15 GALLON INDUCTOR STAND	NOR60313	60313	
35 GALLON INDUCTOR STAND	NOR65517	65517	
60 GALLON INDUCTOR STAND	NOR62204	62204	
15,30,60 INDUCTOR STAND (For 24" Tanks)	NOR63397	63397	
1650/2500/3000 C/B STAND	NOR60059	60059	
1650/2500/3000 C/B TOP BAND	NOR60359	60359	
5500 CONE BOTTOM STAND	NOR60358	60358	
7500 CONE BOTTOM STAND	NOR61860	61860	

NORWESCO BOLTED BALL VALVES

PART NO.	DESCRIPTION	LIST PRICE
NOR60526	1-1/2" FULL PORT	
NOR60528	2" FULL PORT (6 Bolt)	
NOR61720	3" FULL PORT	
NOR60544	1-1/2" FULL PORT NOZZLE	
NOR60546	2" FULL PORT NOZZLE	
NOR62286	2" COMPACT MT X FT	
NOR62287	2" COMPACT FT X FT	
NOR62288	2" COMPACT MT X MALE CAMLOCK	

NORWESCO SINGLE UNION BALL VALVES

NOR60409	1/2" SINGLE UNION	
NOR60410	3/4" SINGLE UNION	
NOR60479	1" 45 DEGREE NOZZLE	
NOR60411	1" SINGLE UNION	
NOR60412	1-1/4" SINGLE UNION	
NOR60413	1-1/2" SINGLE UNION	
NOR60414	2" SINGLE UNION	
NOR60415	3" SINGLE UNION	

**REPLACEMENT PARTS ARE AVAILABLE FOR NORWESCO AND BANJO VALVES
PLEASE CALL FOR PRICING.**

NORWESCO LINE STRAINERS

NOR61479	1" W/40 MESH SCREEN (YLS)	
NOR61488	1-1/2" W/20 MESH SCREEN (YLS)	
NOR61493	2" W/20 MESH SCREEN (YLS)	
NOR61495	2" W/80 MESH SCREEN (YLS)	
NOR62339	3" W/20 MESH SCREEN (YLS)	

BANJO LINE STRAINERS

LS150-50	1-1/2" Y STRAINER W/ 50 MESH	
LS200-20	2" Y STRAINER W/20 MESH	
LS200-30	2" Y STRAINER W/30 MESH	
LS200-50	2" Y STRAINER W/50 MESH	
LS200-80	2" Y STRAINER W/80 MESH	
LSM300-20	3" Y STRAINER W/20 MESH	

Other sizes / meshes available - please call

Replacement Parts Available for Norwesco and Banjo Strainers - Please Call for Pricing.

TANK LIDS

PART NO.	DESCRIPTION	LIST PRICE
NOR63483	16" LID WITH BLUE SNAP-IN VENT	
NOR60011	16" LID WITH AIR VENT	
NOR60012	16" RING ONLY	
NOR60019	AIR VENT ONLY FOR 16" LID	
NOR62532	16" HINGED LID COMPLETE	
NOR60002	8" LID WITH AIR VENT	
NOR60003	8" RING ONLY	
NOR61727	AIR VENT ONLY FOR 8" LID	
NOR60322	5" LID WITH BALL CHECK AIR VENT	

TANK BULKHEAD FITTINGS

NOR60401	3/4" DOUBLE THREADED FITTING	
NOR60427	1" DOUBLE THREADED FITTING	
NOR60403	1-1/4" DOUBLE THREADED FITTING	
NOR60124	1-1/2" DOUBLE THREADED FITTING	
NOR60405	2" DOUBLE THREADED FITTING	
NOR60337	2" HEAVY DUTY FITTING W/ SIPHON	
NOR62299	3" DOUBLE THREADED POLY FITTING	
NOR60339	3" DT FITTING W/ 2" REDUCER & SIPHON TUBE	
NOR60327	3" SIPHON TUBE FOR 60339	
NOR60523	2" VITON GASKET-60124, 60405, 61767	
NOR60336	2" EPDM GASKET FOR 60337	
NOR60008	2" TYPE B VITON GASKET FOR 60337	
NOR60331	3" EPDM GASKET FOR 60339	
NOR60351	3" VITON GASKET FOR 60339	
NOR62399	2" MALE THREAD POLY ANTI VORTEX	

Soil Probe Deluxe



Part No. 802210

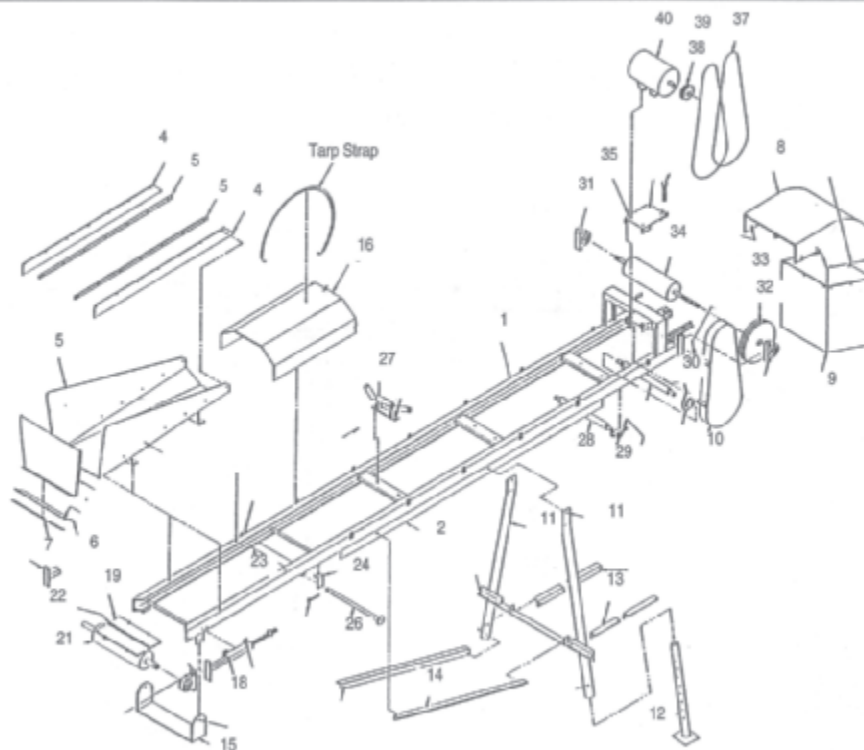
SOIL PROBE simplifies sampling procedures by offering foot stand for easy penetration of hard-to-dig soils. Instrument made of heavy gauge steel, nickel plated for long life. Hand plunger enables operator to eject soil sample from tube easily and cleanly. Takes full 10 inch core, one inch in diameter. Entire tool is 36" long.

- Heavy tube construction.
- Fast...open end for ease of soil removal.
- Hand plunger to completely remove soil core.
- Foot stand for ease of soil penetration.
- 36 inches long...reduces labor.
- Full 10-inch core.
- 1-inch O.D. to ensure good sample.
- Nickel plated

Dealer Net Price



Waconia Loadout Conveyor



**Item 29 on all 32' + Conveyors built after 7-25-90 is a two bolt Flange bearing.

18" LOADOUT CONVEYOR

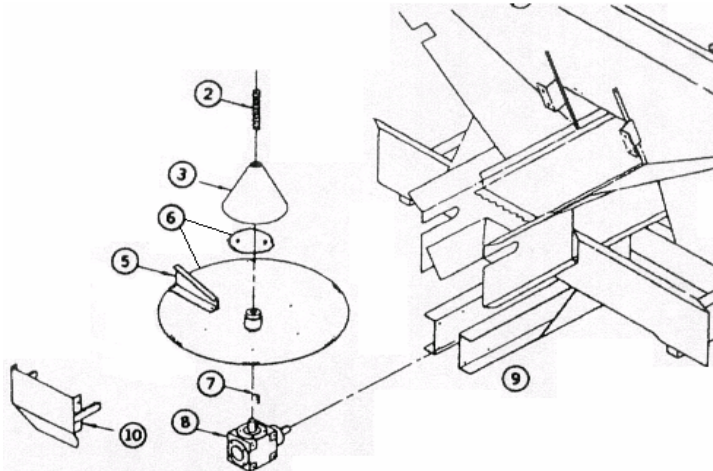
FIND NUMBER	PART NUMBER	DESCRIPTION
1		Frame
2		Stiffener
3		Slider pin
4	7003302	Rubber Side included in Kit
5		Keeper Side Rubber
6	7003302	Rubber rear included in kit
7	7001316	Keeper Rear Rubber
8		Discharge Hood
9	D-8645	Boot Discharge Hood Rubber
10	7009221	Guard Belt
11	7010401	Support Upper - Tail Stand
		Support Upper - Short Stand
12	7009235	Support Lower - Tail Stand
		Support Lower - Short Stand
13	7009233	Angles Front Support (32' Lg. Conv. & Over)
14	7009234	Angle Rear Support
15		Bracket Tail
16		Rain Cover (optional)
18	7000436	Take Up
19		Belt(ing)See page 327
20		Lacing
21	7001052	Pulley Tail
22		Cable SST lacing See Page: 327
23	7000514	Return Idler
24	7003904	Bracket Return Idler
25		Pin Cotter
26	7000513	Rod Idler
27	7000515	Idler 3 roll 35°
28	7001048	Pulley Snubber 18"(32' & Over)
29		No Longer Used
30	7000632	Bearing Snubber - 2 Bolt FLG (32' & over)
31	7000447	Bearing head & tail
32	7000451	Sheave 13" - 18" - 30"
	7000631	Sheave 18" - 32" - 40"
33	7000453	Bushing 18" - 18" - 30"
	7000453	Bushing 18" - 32" - 40"
34	7001029	Pulley Head
35	7004462	Motor Plate
36		Adjusting Bolt Part of #35
37	7000494	Belts 18" - 30"
	7000102	Belts 18" - 32" - 40"
38	7000450	Sheave 18" - 18" - 30"
	7000630	Sheave 18" - 32" - 40"
39	7000452	Bushing 18" - 18" - 30"
	7000688	Bushing 18" - 32" - 40"
40		Motor

24" LOADOUT CONVEYOR

FIND NUMBER	PART NUMBER	DESCRIPTION
1		Frame
2		Stiffener
3		Slider pin
4	7003303	Rubber Side included in Kit
5		Keeper Side Rubber
6	7003303	Rubber rear included in kit
7	7001315	Keeper Rear Rubber
8	7009205	Discharge Hood
9	D-8655	Boot Discharge Hood Rubber
10	7009221	Guard Belt
11	7009211	Support Upper - Tail Stand
		Support Upper - Short Stand
12	7009235	Support Lower - Tail Stand
		Support Lower - Short Stand
13	7009233	Angles Front Support (32' Lg. Conv. & Over)
14	7009234	Angle Rear Support
15		Bracket Tail
16		Rain Cover (optional)
18	7000436	Take Up
19		Belt(ing)See page 327
20		Lacing
21	7007743	Pulley Tail
22		Cable SST lacing See Page 327
23	7000420	Return Idler
24	7003904	Bracket Return Idler
25		Pin Cotter
26	7000419	Rod Idler
27	7000421	Idler 3 roll 35°
28	7001047	Pulley Snubber 24" (32' & Over)
29		No Longer Used
30	7000632	Bearing Snubber - 2 Bolt FLG (32' & over)
31	7000447	Bearing head & tail
32	7000451	Sheave 24" - 18" - 24"
	7000631	Sheave 24" - 26" - 40"
33	7000453	Bushing 24" - 18" - 24"
	7000453	Bushing 24" - 26" - 32"
34	7001028	Pulley Head
35	7004462	Motor Plate
36		Adjusting Bolt Part of #35
37	7000494	Belts 24" - 18" - 24"
	7000102	Belts 24" - 26" - 40"
38	7000450	Sheave 24" - 18" - 24"
	7000630	Sheave 24" - 26" - 40"
39	7000452	Bushing 24" - 18" - 24"
	7000688	Bushing 24" - 26" - 40"
40		Motor

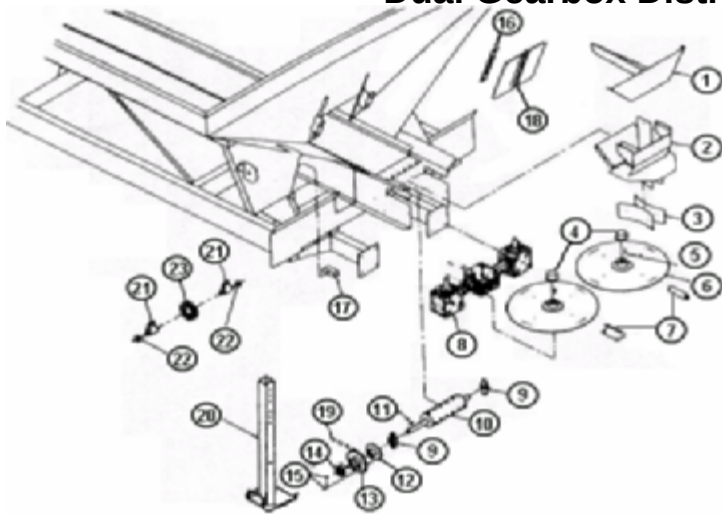
TYLER SPREADER PARTS

Complete Single Gearbox Distributor Package



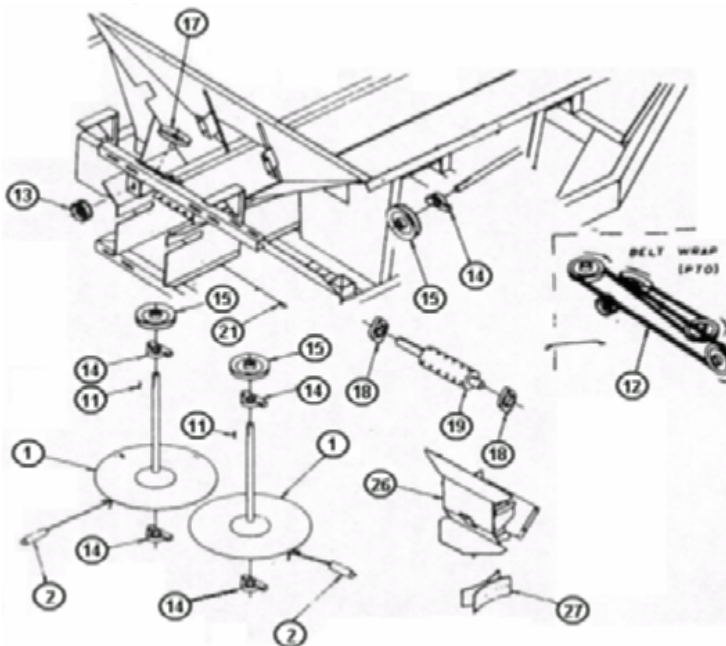
Item	Part Number	Description
2	37037	Hod down - center cone
3	36378	Center cone
5	31366	Hight lift fan blade - 409 S.S.
6	05157	Distributor disc assembly
7	10031	1/4" x 1/4" x 1-1/2" key
8	05359	Gearbox
9	02859	Gearbox mount mild steel
10	Call	S.S. end plate

Dual Gearbox Distributor Package



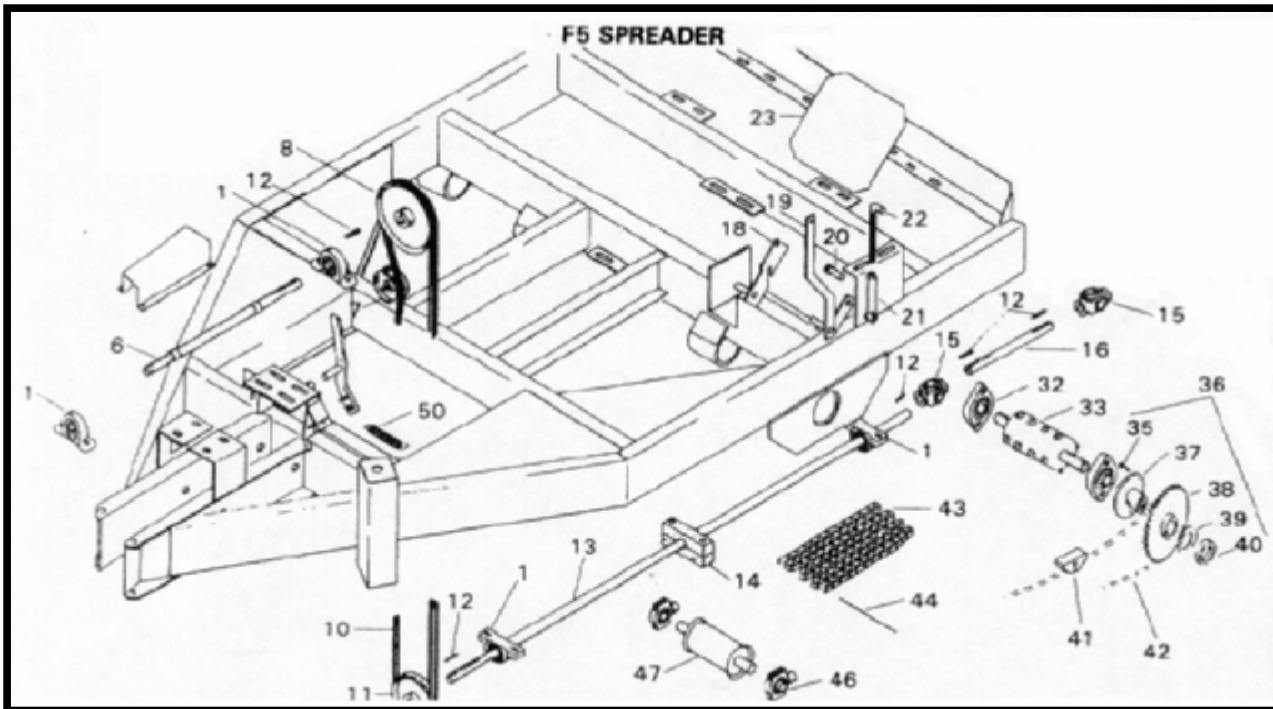
Item	Part Number	Description
1	Call	Divider assembly - rear chute 409 S.S.
2	Call	Chute assembly - dual chute 409 S.S.
3	30308	Curved deflector 409 S.S.
4	Call	Vinyl cover
5	10031	1/4" x 1/4" x 1-1/2" key
6	03380	Distributor disc
7	31365	Fan blade S.S.
8	05350	Dual gearbox assembly
9	817525	1-1/4" flange bearing
10	03301	Drive roller 1-1/4" shaft 10"

Belt Drive Distributor Package



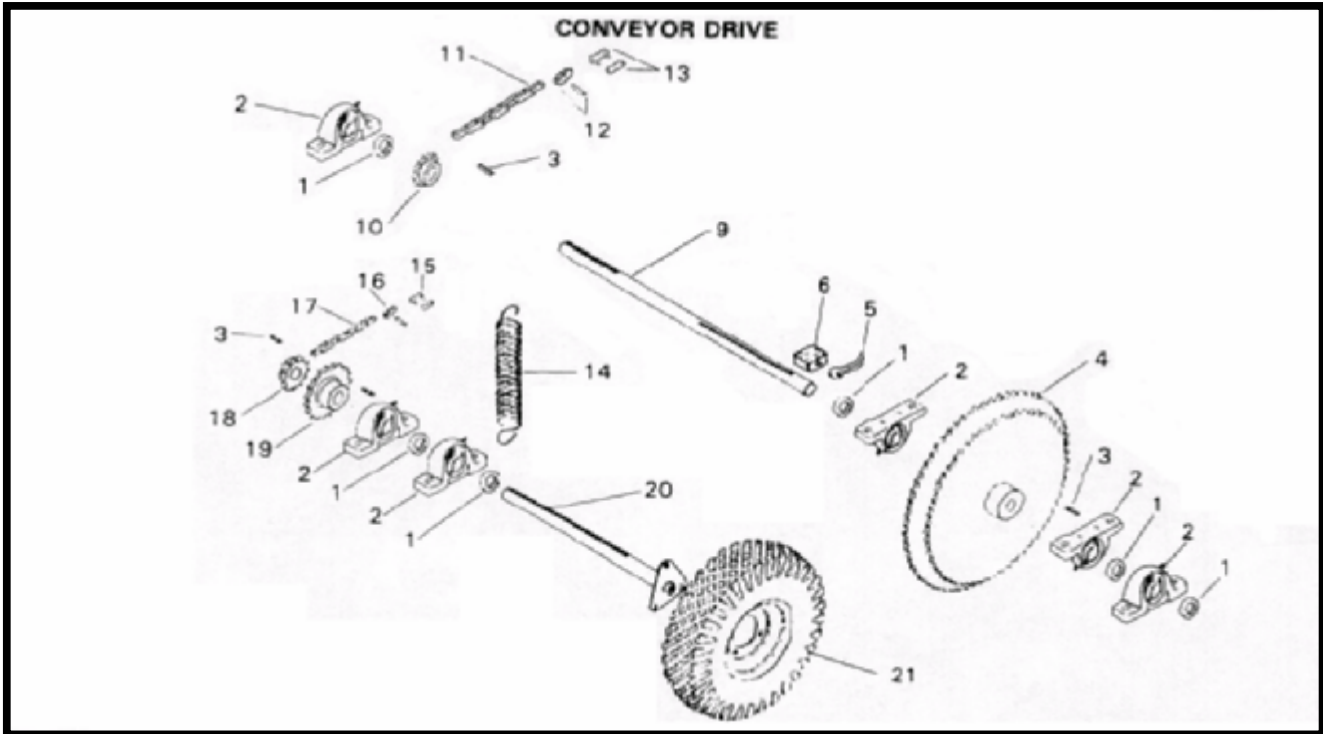
Item	Part Number	Description
1	03193	Distributor disc
2	31365	Fan blade S.S.
11	10031	1/4" x 1/4" x 1-1/2" key
12	11113	BB 108 belt
13	71403	Fan idler
14	817540	1" pillow block bearing
15	10328	sheave 5.4 PD
17	10073	V idler
18	817525	1-1/4" flange bearing
19	03301	Drive roller 1-1/4" shaft
26	Call	Chute and rear plate assembly
27	30308	Curved deflector F4 MW

TYLER SPREADER PARTS



Item	Part Number	Description
1	817540	1" pillow block bearing
6	03258	PTO jackshaft assembly for MW/F5
7	71403	Flat idler pulley
8	10093	7.4 PD sheave
10	813501	B 43 belt
11	10328	5.4 PD sheave
12	01003	1/4" x 1/4" x 1-1/2" key
13	31507	Line shaft 1" x 70-3/4 F4, F5
14	10499	Bearing 1" wood PD
15	01340	U joint
16	31508	Short line shaft 1" x 12"
18	03047	Latch assembly land wheel
19	Call for info	Drive engaging lever assembly
20	03026	Lift bar pin assembly
21	05094	Adjustable lift bar assembly – outer
22	05095	Adjustable lift bar assembly – inner
32	817525	1-1/4" 2 hole flange
33	03301	Rear drive roller assembly 10"
	05857	Rear drive roller 7"
38	823038	#50-40 shear sprocket 1-1/4" bore
41	34325	Wood block wide
42	818508	20-50 chain roller SS
43	Call for info	Conveyor belt SS
44	Call for info	Splice pin
46	10024	Take up bearing
47	03305	Front roller assembly

TYLER CONVEYOR DRIVE

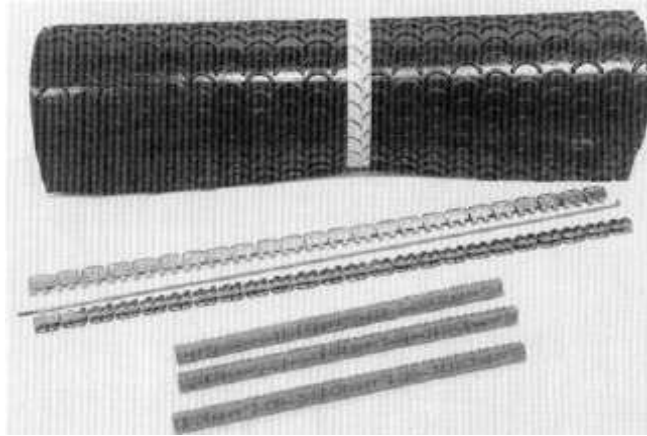


Item	Part Number	Description
2	814540	1" pillow block bearing
3	10031	1/4" x 1/4" x 1-1/2" key
4	31515	Drive sprocket
6	34325	Tightener block
9	Call for info	Jackshaft
10	823029	Sprocket 50 B 19x1"
11	818508	Roller chain 20-50 SS
12	818528	20-50 SS half link
13	818518	20-50 SS full connector link
14	Call for info	Extension spring
15	818510	Connector link # 40 SS
16	818520	Half link #40 SS
17	818501	Chain # 40 SS
18	823003	#40 B 15 sprocket 1" bore
19	823006	#40 B 25 sprocket 1" bore
20	Call for info	Drive wheel assembly
21	01051	Tire and wheel assembly
	10211	Trim for land wheel
	10209	Drive wheel tire
	10210	Drive wheel tube

CONVEYOR BELTING

PART NO.	DESCRIPTION
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813-550	12" Scandura
813-551	16" Scandura
813-552	18" Scandura
813-553	24" Scandura



GREEN LEA AG CENTER USES CLIPPER AND FLEXCO ALLIGATOR LACING COMPONENTS

	PART NO.	DESCRIPTION
Clipper hooks	813-560	# 3 S.S.
Splice Cable	813-562	Blue Nylosteeel
Alligator Lacing	813-563	Flexible S.S. Staple Belt Lacing

Lacing Charges - Call GREEN LEA AG CENTER and inquire about our belt lacing charges if you need a belt re-laced.

BEARINGS

PART NO. DESCRIPTION



PILLOW BLOCK BEARINGS

817-540	1"
817-544	1-1/4"
817-545	1-1/2"
817-547	1-15/16"
817-542	2-7/16"
817-543	2-15/16"



WOOD PILLOW BLOCK BEARINGS

10496	3/4"
10499	1"



TAKE UP BEARINGS

10024	1"
20162	1" for Tyler undercar conv.
817-560	1-1/4"

2 BOLT FLANGE BEARINGS



817-523	1"
817-526	1" narrow housing
817-524	1-1/8"
817-520	1-3/16"
817-525	1-1/4" rear apron bearing
817-521	1-1/2"

4 BOLT FLANGE BEARINGS



817-505	1"
817-500	1 1/8"
817-506	1 1/4"
817-510	1 7/16"
817-529	1 1/2" H.D.
817-502	1 11/16"
817-504	2 7/16"
817-511	2 15/16"
817-507	3 15/16"

BEARING INSERTS

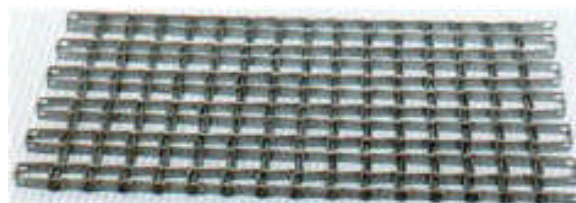


817-016	1"
817-018	1 1/8"
817-045	1 1/4"

CHAIN

PART NO. DESCRIPTION
STAINLESS APRON CHAIN (for spreaders)

811-211	7" wide
811-212	10" wide
7000873	14" wide

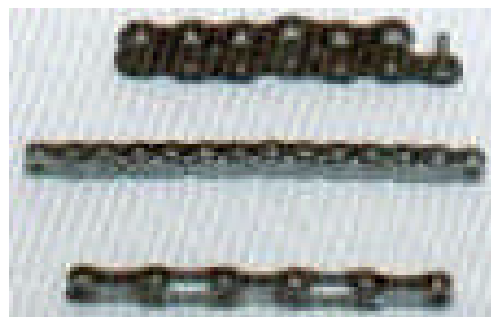


STAINLESS STEEL ROLLER CHAIN

818-501	# 40
818-503	# 50
818-504	# 60
818-508	# A2050 Long Link

MILD STEEL ROLLER CHAIN

818-505	# 80
818-506	# 100
818-509	# 120
818-507	# 140



All chain is sold on a per foot basis. Chain connectors and offset links are also available.

BECKER UNDERWOOD PRODUCTS

Ref.	Item #	Product	Concentration	Packaging
1	808015	Water Softener	Use 1 part to 8 parts foam concentrate	1 Case lot 4 X 1 Gal
2	808002	Foam Marker Antifreeze		1 Case lot 4 X 1 Gal
3	808016	Shake Down (Anti Foamer)	Use rate 1 oz to 100 gals	1 Case lot 12 X 1 Quart
4	808012	Foam Dye Red	Use rate 1 oz to 10 Gals	1 Case lot 12 X 1 pint
	808018	Foam Dye Blue	Use rate 1 oz to 10 Gals	1 Case lot 12 X 1 pint
	808019	Foam Dye Yellow	Use rate 1 oz to 10 Gals	1 Case lot 12 X 1 pint
5	808011	All Weather Foam Concentrate	Use Rate 160:1	1 Case lot 4 X 1 Gal
	808005			55 Gallon Drum
6	808014	Neutralize (Spray Tank Cleaner)	(Use rate 1 Quart to 100 Gals	1 Case lot 4 X 1 Gal

(All Sizes are US Gallons, Quarts, Pints)

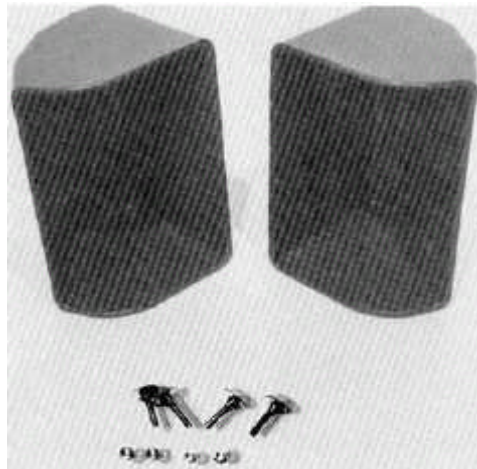


ELEVATOR LEG BELTING

Belting for elevator legs is available but is not a stock item. Call our parts department and inquire about price and availability

ELEVATOR BUCKETS

TAPCO



	PART NO.	DESCRIPTION
BUCKETS	7000781	10" x 6"
	803-092	9" x 6"

Other Sizes Available - Please Call

ELEVATOR BOLTS AND NUTS (STAINLESS STEEL)

7000766	1/4 x 1-1/2
7000768	1/4 x 1



Liquid Applicators:
710, 1000 & 1300 Gallon Capacity



AG Series Adjustable Wheel Track
Spreader: 5, 6 & 8 Ton



NH3 Toolbars



AG 37 Coulter

Tenders:
10, 16, 24 & 32 Ton Capacity



Long Frame Tandem Axle Wagon c/w
Chemical Rack:
1000 to 2000 Gallon Capacity



Short Frame Tandem Axle Nurse Wagons:
1000 to 2000 Gallon Capacity



AG 79 Ground Drive



GREEN LEA AG CENTER INC.

FERTILIZER KNIFE

FOR 20" COULTER 33607014 DMI (3/8" tube) 33607002 DMI With sealer (3/8" tube)	FOR 20" COULTER # 801003 AG SYSTEMS (1/2" tube)
# 801002 OSM (1/2" tube)	# 801035 OSM (3/8" tube)
#801036 OSM (3/8" tube)	# 801033 OSM With sealer (3/8" tube)
# AG 100111 AG SYSTEMS (3/8" tube) # AG 101111 AG SYSTEMS (1/2" tube)	# 801042 B33 MOLE (3/8" tube)
DUAL TUBE # 801037 With sealer OSM (3/8" tube)	DUAL TUBE #801043 B33 MOLE (3/8" tube)

AG SERIES COULTER

from AG Systems

THE MOST DURABLE FERTILIZER COULTER BUILT TODAY.

With today's demanding farming practices we at AG Systems needed to develop a coultter that could with stand the harshest farming environment. New from AG Systems the AG Series coultter line. The AG series coultter line is the only coultter on the market with a patented greaseless hub therefore making it almost bullet proof.

So no matter what your farming practices are the AG series coultter line is the coultter for you.

- 1 year limited warranty
- A totally greaseless Hub design
- Preloaded 525# cutting pressure
- Capable of delivering up to 1040# of residue slicing pressure
- 2-9" chrome silica alloy springs
- 36 degrees of swivel movement left to right
- 1" x 3" heavy duty shank
- Choose from 3 different models
- AG 36 Single spring
- AG 37, AG 38 double spring designed for strip till, hi-pressure 28% or deep placement of fertilizer.





Fax 1(519)485-4694

Site Internet www.greenlea.net

Email: parts@greenlea.net

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