



# *INDUSTRIAL PUMPS*



# Table of Contents

## 3 COMPANY INFORMATION

## 6 AXIAL PUMPS

ELECTRIC	
VRX	pg. 8
BXD	pg. 9
AXS	pg. 10
AXD	pg. 11
GAS	
VRX	pg. 12
BXD	pg. 13
AXD	pg. 14
CXD	pg. 15

## 16 TRIPLEX PUMPS

SOLID SHAFT	
LW	pg. 18
LWS	pg. 19
LWD	pg. 20
ZW	pg. 21
FW2	pg. 22
FWS2	pg. 23
RW	pg. 24
RWS	pg. 25
SW/SWS	pg. 26
TWN	pg. 27

SOLID SHAFT	
TW	pg. 28
TWS	pg. 29
TW 500	pg. 30
TWS 500	pg. 31
RW	pg. 32
SW	pg. 33
SWS	pg. 34
TW (Hot Water)	pg. 35
ELECTRIC	
BWD-K	pg. 36
LWS-K	pg. 37
LWD-K	pg. 38
LWS	pg. 39
LWD	pg. 40
FWS2	pg. 41
FWD2	pg. 42
RWS	pg. 43
GAS	
BWD-K	pg. 44
DWD-K	pg. 45
AWD-K	pg. 46
EWD/EWD-K	pg. 47
LWD	pg. 48
LWD-K	pg. 49
ZWD	pg. 50
ZWD-K	pg. 52
FWD2	pg. 53

## 54 FULLY PLUMBED PUMPS

DWD-K	pg. 54
BXD/CXD	pg. 55
LWS/LWD	pg. 56
EWD/ZWD	pg. 57

## 58 HYDRAULIC SYSTEMS

TWS/RW	pg. 59
--------	--------

## 60 ACCESSORIES

## 104 PUMP DIAGRAMS

## 112 CHARTS & FORMULAS

# Our Other Brands

Fluid Components, Ag Parts & Pressure Washer Accessories	Agricultural Sprayers & Components	12 Volt DC Diaphragm Pumps & Accessories
<a href="http://www.valleyind.com">www.valleyind.com</a>	<a href="http://www.master-mfg.com">www.master-mfg.com</a>	<a href="http://www.everflopump.com">www.everflopump.com</a>

Agricultural Mist Sprayers	Agricultural Sprayers & Drones
<a href="http://www.mistsprayers.com">www.mistsprayers.com</a>	<a href="http://www.bestwayag.com">www.bestwayag.com</a>

Catalog #: CO-CATALOG-2025

# Comet Facilities



**1 COMET NORTH AMERICA**  
 180 Lake Ave N Paynesville, MN 56362  
 Phone: 952-707-1894  
 Toll Free: 800-708-1894  
 Fax: 952-707-1895  
 Email: [cometpump@cometpump.com](mailto:cometpump@cometpump.com)  
 Website: [www.cometpump.com](http://www.cometpump.com)  
 Dealer Locator: [www.cometpump.com/find-a-dealer](http://www.cometpump.com/find-a-dealer)

**2 COMET ITALY (HEADQUARTERS)**  
 Via G. Dorso, 4 42124 Reggio Emilia Italy  
 Phone: +39 0522-386-111  
 Fax: +39 0522-386-286  
 Email: [info@comet-spa.com](mailto:info@comet-spa.com)  
 Website: [www.comet-spa.com](http://www.comet-spa.com)

**3 COMET FRANCE**  
 11, Impasse Joffre 67202  
 Wolfisheim France  
 Phone: +33 (0)3 88 55 52 32  
 Fax: +33 (0)3 88 55 52 33

**4 COMET MEXICO**  
 Av dr R Michel 191 Analco Gaudalajara 44460  
 Gaudalajara Jalisco, Mexico  
 Phone: +52 33 3650 2831  
 Fax: +52 33 3619 1662

## Other Contacts

**PLACE AN ORDER**

[sales@valleyind.com](mailto:sales@valleyind.com)

**TECHNICAL SUPPORT**

[jdenn@cometpump.com](mailto:jdenn@cometpump.com)

**QUOTES/BID REQUESTS**

[rtrivedi@cometpump.com](mailto:rtrivedi@cometpump.com)

**GENERAL INFORMATION**

[cometpump@cometpump.com](mailto:cometpump@cometpump.com)

## International Customers

Comet has four main branches across the globe. Contact the office of your country, or contact the corporate headquarters, to find your local distributor.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

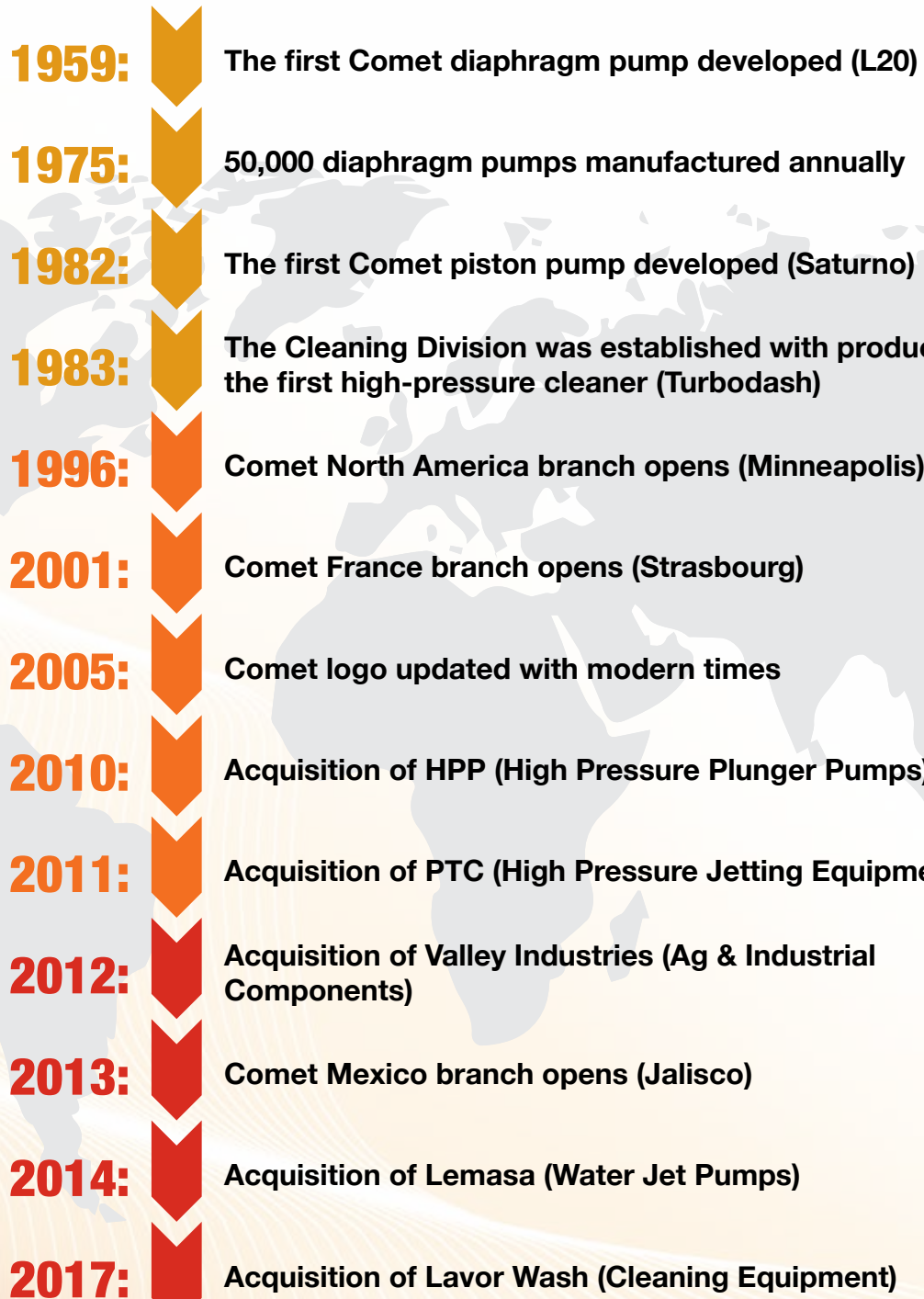
Hydraulic  
Pumps

Accessories

Resources

# Comet Timeline

For over 60 years, Comet has been a global trailblazer in the diaphragm and industrial plunger pump markets. Today, Comet products are offered to over 130 countries world-wide. With a strong distribution channel that extends to France, Mexico, and the United States; Comet is able to provide fast solutions and new concepts to the world of fluid transfer applications.

- 
- 1959:** The first Comet diaphragm pump developed (L20)
  - 1975:** 50,000 diaphragm pumps manufactured annually
  - 1982:** The first Comet piston pump developed (Saturno)
  - 1983:** The Cleaning Division was established with production of the first high-pressure cleaner (Turbodash)
  - 1996:** Comet North America branch opens (Minneapolis)
  - 2001:** Comet France branch opens (Strasbourg)
  - 2005:** Comet logo updated with modern times
  - 2010:** Acquisition of HPP (High Pressure Plunger Pumps)
  - 2011:** Acquisition of PTC (High Pressure Jetting Equipment)
  - 2012:** Acquisition of Valley Industries (Ag & Industrial Components)
  - 2013:** Comet Mexico branch opens (Jalisco)
  - 2014:** Acquisition of Lemasa (Water Jet Pumps)
  - 2017:** Acquisition of Lavor Wash (Cleaning Equipment)

# The Comet Advantage

## PROBLEM SOLVING MENTALITY

Every problem has a solution. With our history, quality, innovation and global affiliations; no problem is too big for us to tackle.

## 360° CUSTOMER SERVICE

From order placement to delivery on your doorstep, Comet has a knowledgeable customer service staff that provides more answers than questions.

## PERFORMANCE CAPABILITIES

Comet pumps and accessories can provide up to 550 HP, 128 GPM and 40,000 PSI.

## CENTRALIZED LOCATION

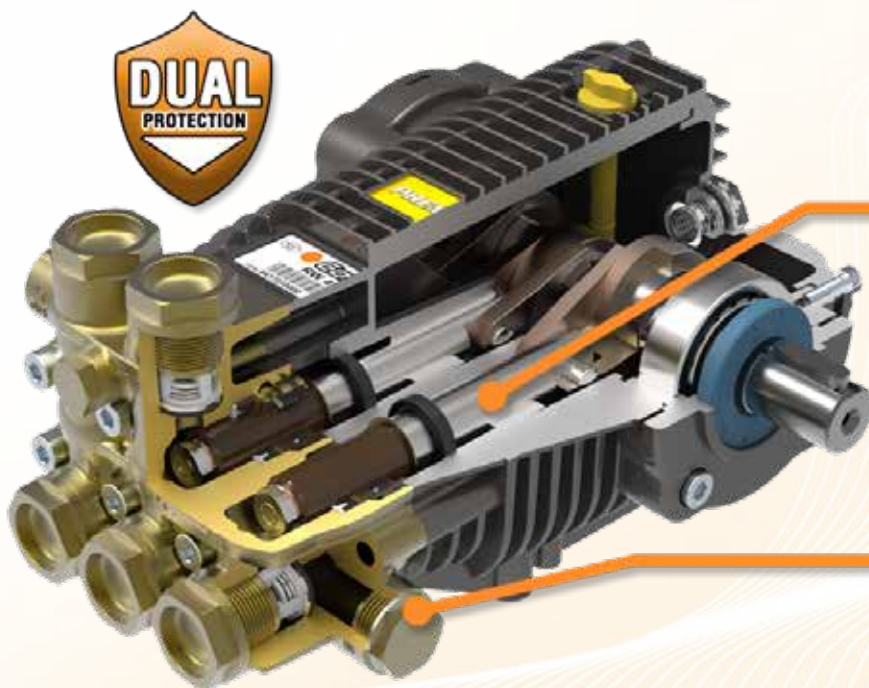
Based in Paynesville, MN, easily get quick turn-around on your orders.

## ROBUST PIPELINE

Comet offers more than 1,000 pumps and accessories for a wide range of industries and applications.

# Premium Series Pumps

Learn more about the two patents that make the Comet Premium Series pumps the right choice when it comes to construction, dusty environment and trailer applications.



### Exclusive Crankcase Oil Sealing System

The crankcase oil sealing system minimizes wearing on pistons in the wearable and oil seal working areas.



### Exclusive Coupling System

The coupling system between the pump head and crankcase prevents dust and dirt from penetrating the area where pistons work, all without disrupting water flow.



Check out the Comet Premium Series Pumps on pages 24-31 and 43.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

# Axial Plunger Pumps

The Comet axial plunger pump features several main pumping elements.

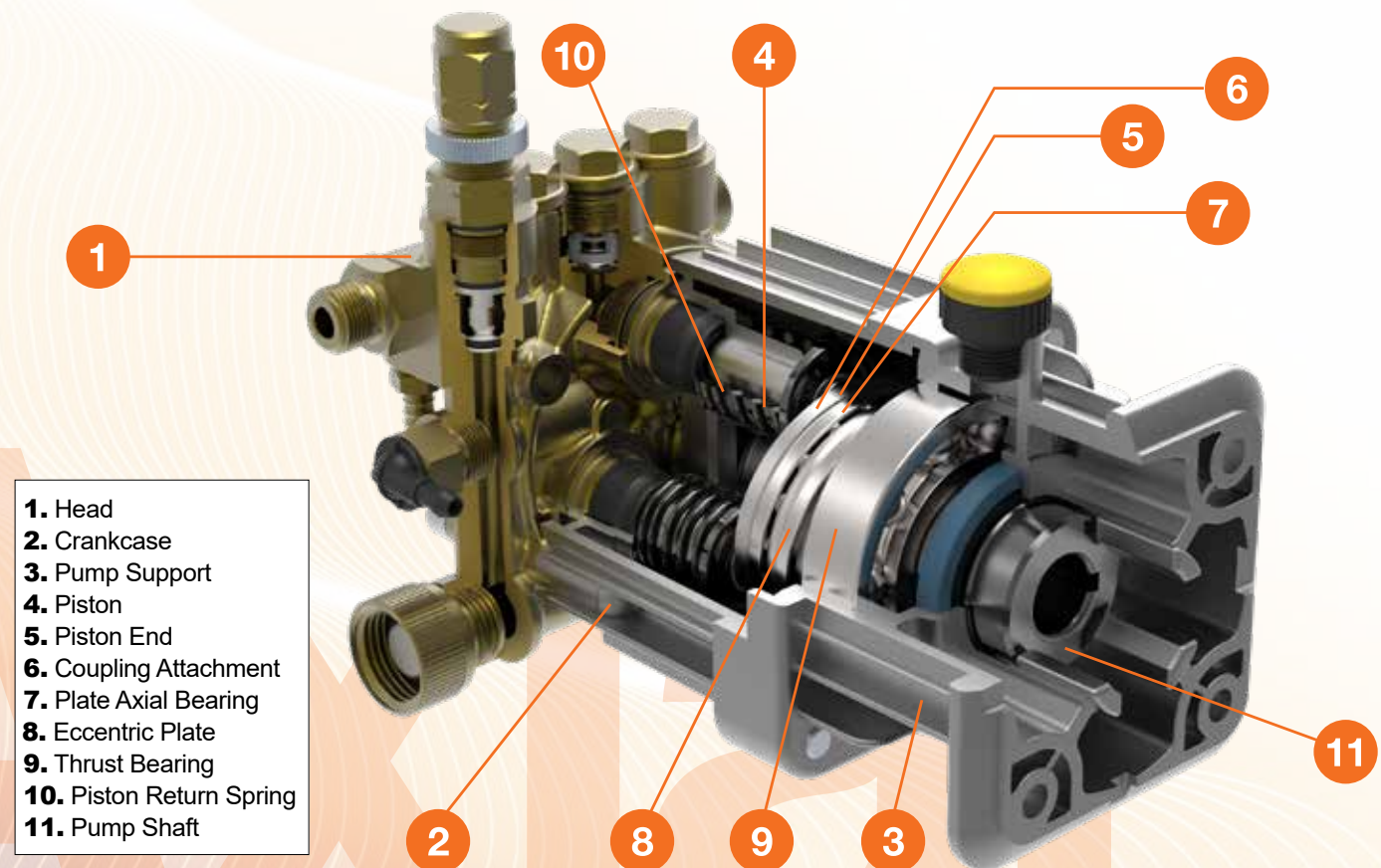
1. Hydraulic components in pump head
2. Mechanical-kinematic components (oil bath) in crankcase
3. Hydraulic seal system on the pistons that consists of rings and seals
4. Suction and delivery valves

These pumping elements are arranged along parallel axes lying on the same horizontal plane. Each of the pumping elements consists of a piston, driven in a reciprocating manner by a tilted plate thrust system and by a spring return system.

The pumping piston is of the “plunger” type, i.e., the pumped liquid sealing system is fixed, while the piston slides inside. The plate, which is tilted with respect to the piston axis, provides thrust to drive the piston by means of a coupling attachment. The coupling attachment acts on the end of the piston itself by the interposition of an axial bearing between the coupling attachment and the plate.

The plate is integral with the shaft that drives the pump, and which is coaxial with the three pistons. The shaft is in turn supported by a thrust bearing, housed in the pump support, and has one extremity protruding from the support to get its motion from the motor driving the pump.

The drive piston is connected to the pumping piston, which is made with a ceramic insert section or with a special surface treatment performed directly on the drive piston. The sealing system acts on the pumping piston to ensure the seal of the pumped liquid during the reciprocating pumping piston is sliding.



# Setup Style

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

When it comes to Comet axial plunger pumps, there are three main setup style options to choose from...



Cylindrical Hollow Shaft  
(Ø 7/8")



Hollow Shaft for Electric Engines  
(Ø 5/8")



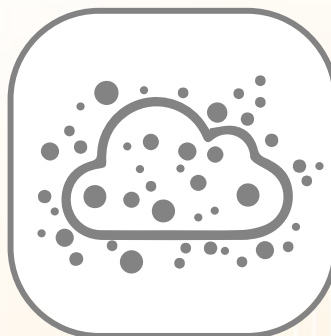
Hollow Shaft for Gas Engines  
(Ø 3/4" or 1")

# Popular Applications

Comet axial plunger pumps can be used for a wide range of applications across multiple industries. Here are some of the more popular industries you can use a Comet axial plunger pump.



Consumer Pressure Washing



Misting



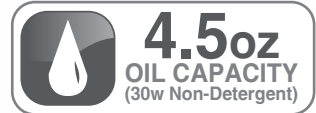
Sanitization



# VRX Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 104.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

CYLINDRICAL HOLLOW SHAFT Ø 7/8"

Part #	Model	Version	Ø	☕	📊	🔌	👤	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
6511.0023.00	VRX 2017	V	14mm	2.1	1600	2.6	5.3	3/4" FNH	M22 x 1.5-M
31024-00001	VRX 2022	V	14mm	2.1	2200	3.5	7.7		
31024-00003	VRX 2422	V	14mm	2.3	2200	4.2	9.0		

The models marked with \* are supplied with aluminum head.

VRX SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01936	Seal	Water, 1700 PSI
10001-01928		Water, 2200+ PSI
10001-01935	Valve	Rebuild, 1700 PSI
10001-01929		Rebuild, 2200 PSI
10002-01143		Regulator, Brass
10002-01136		Regulator, Aluminum
10001-01932	Piston	Seals



\* On Manufacturing Defects

Part #	Shaft Length
	mm
6511.0023.00	80.0
31024-00001	46.0
31024-00003	80.0

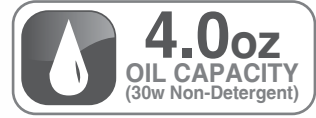




# BXD Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 104.



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

**BXD SERIES REPAIR KITS**

Part #	Kit Style	Description
10001-01382	Seal	Water, 2000 PSI
10001-01288		Oil, Hollow Shaft
10001-01665	Valve	Rebuild, < 3000 PSI
10002-01336	Unloader	Unloader, 2610 PSI

**HOLLOW SHAFT Ø 5/8"**

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31038-00013	BXD 2020	E	14mm	1.9	2000	2.9	10.3	3/4" FNH	3/8" MNPT
31038-00014	BXD 2520	E	14mm	2.5	2000	3.8			
31038-00015	BXD 3020	E	14mm	2.8	2000	4.2			



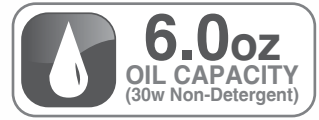
\* On Manufacturing Defects



# AXS Series



DIRECT DRIVE MOTOR - NEMA 56 C



PUMP DIAGRAM ON PAGE 105.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 5/8"

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31021-00009	AXS 0415	E	14mm	0.4	1500	0.5	11.7	3/4" FNH	3/8" MNPT
31021-00010	AXS 0615	E	14mm	0.6	1500	0.8			
31021-00005	AXS 0915	E	14mm	0.9	1500	1.0			
31021-00008	AXS 1315	E	14mm	1.3	1500	1.5			
31021-00006	AXS 2015	E	14mm	1.7	1500	2.0			

AXS SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01116	Seal	Water, 14mm
10001-01118		Oil, Hollow Shaft
10001-02026	Valve	Rebuild, < 2000 PSI
10002-01335	Unloader	Unloader, 1885 PSI
10002-01695	Piston	Plunger
10002-01709		Plunger w/Springs



\* On Manufacturing Defects

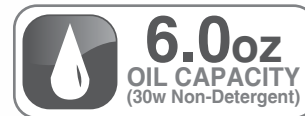


# AXD Series

DIRECT DRIVE MOTOR - NEMA 56 C



PUMP DIAGRAM ON PAGE 105.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

AXD SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01116	Seal	Water, 14mm
10001-01118		Oil, Hollow Shaft
10001-01610	Valve	Rebuild, < 3000 PSI
10002-01336	Unloader	Unloader, 2610 PSI
10002-01695	Piston	Plunger

HOLLOW SHAFT Ø 5/8"

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	Inlet	Outlet
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31020-00027	AXD 2020	E	14mm	1.7	2000	2.7	11.7	3/4" FNH	3/8" MNPT
31020-00010	AXD 2020	E	14mm	1.9	2000	2.9			
● 31020-00070	AXD 2020	E-T	14mm	1.9	2000	2.9			
31020-00011	AXD 2520	E	14mm	2.5	2000	3.8			
* 31020-00064	AXD 2527	GE	14mm	2.5	2000	5.2			
31020-00012	AXD 3020	E	14mm	2.9	2000	4.3			
* 31020-00062	AXD 3020	GE	14mm	2.9	2000	4.1			

- \* Featuring 3/4" Hollow Shaft
- Stainless Steel Piston



\* On Manufacturing Defects

AXIAL (Electric)

AXIAL (Gas)

TRIPLEX (Solid)

TRIPLEX (Electric)

TRIPLEX (Gas)

FULLY PLUMBED

HYDRAULIC PUMPS

ACCESSORIES

RESOURCES



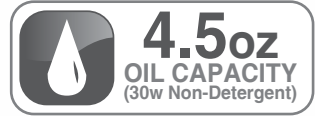
# VRX Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 104.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 3/4"

VRX SERIES REPAIR KITS

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
6511.0020.00	VRX 2225	G	14mm	2.2	2500	4.0	8.0	3/4" FNH	M22 x 1.5 - M
31024-00002	VRX 2522	G	14mm	2.5	2200	4.2	7.3		
31024-00005	VRX 2524	G	14mm	2.5	2400	4.4	7.7		
31024-00009	VRX 2527	G	14mm	2.5	2700	5.1	7.7		
* 31024-00013	VRX 2527	G7	14mm	2.5	2700	5.1	8.8		

\* Featuring 7/8" Cylindrical Hollow Shaft

Part #	Kit Style	Description
10001-01928	Seal	Water, 2200+ PSI
10001-01383		Water, 2700+ PSI
10001-01929	Valve	Rebuild, (2225 & 2522 )
10001-01940		Rebuild, (2524 & 2527)
10002-01143		Regulator, Brass
10001-01932	Piston	Seals



\* On Manufacturing Defects

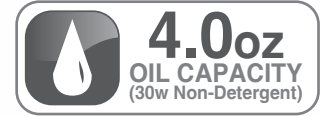


# BXD Series

DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 104.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

**BXD SERIES REPAIR KITS**

**HOLLOW SHAFT Ø 3/4"**

Part #	Kit Style	Description
10001-01382	Seal	Water, 2000 PSI
10001-01288		Oil, Hollow Shaft
10001-01665	Valve	Rebuild, < 3000 PSI
10002-01336	Unloader	Unloader, 2610 PSI

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	Inlet	Outlet
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31038-00006	BXD 2220	G	14mm	2.2	2000	3.4	10.3	3/4" FNH	3/8" MNPT
31038-00004	BXD 2525	G	14mm	2.3	2500	4.2			
31038-00005	BXD 2527	G	14mm	2.4	2700	4.8			
31038-00007	BXD 3020	G	14mm	2.8	2000	4.2			
31038-00008	BXD 3025	G	14mm	2.9	2500	5.1			

All models are equipped with **EASY-START** device.



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources



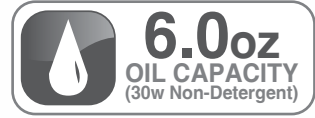
# AXD Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 105.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 3/4"

AXD SERIES REPAIR KITS

Part #	Model	Version	Ø	🍹	📊	🔌	👤	↓	↑
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
* 31020-00033	AXD 2524	G-T	14mm	2.4	2400	4.4	11.7	3/4" FNH	3/8" MNPT
31020-00034	AXD 2524	G	14mm	2.4	2400	4.4			
31020-00040	AXD 2427	G	14mm	2.4	2700	4.9			
31020-00020	AXD 2527	G	14mm	2.5	2700	5.2			
* 31020-00038	AXD 2527	G-T	14mm	2.5	2700	5.2			
31020-00042	AXD 2527	G	14mm	2.5	2700	5.2			
31020-00005	AXD 3020	G	14mm	2.7	2000	4.1			
31020-00006	AXD 3025	G	14mm	2.9	2500	5.4			
31020-00008	AXD 3522	G	14mm	3.3	2200	5.6			
31020-00015	AXD 3525	G	14mm	3.3	2500	6.3			

\* Featuring Stainless Steel Pistons

Part #	Kit Style	Description
10001-01116	Seal	Water, 2400 PSI
10001-01124		Water, 3000 PSI
10001-01118		Oil, Hollow Shaft
10001-01610	Valve	Rebuild, < 3000 PSI
10002-01336	Unloader	Unloader, 2610 PSI
10002-01695	Piston	Plunger



\* On Manufacturing Defects



# CXD Series

DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 105.

**G** | Ø 3/4"

**2.0oz**  
OIL CAPACITY  
(30w Non-Detergent)

**Built-In Unloader**

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

CXD SERIES REPAIR KITS

HOLLOW SHAFT Ø 3/4"

Part #	Kit Style	Description
10001-09111	Valve	Rebuild, 2600 PSI
5025.0103.00		Rebuild, 3400 PSI
1215.0669.00		Regulator
5019.0776.00	Gasket	Piston, (2530 G)
10001-09112		Pump (2525 G)
10001-09110		Pump
10001-09109	Piston	Plunger, (2525 G)
2409.0346.00		Plunger, (2530 G)

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
6527.0004.00	CXD 2530	G	14mm	2.4	3400	5.5	6.8	1/2" FNPT	3/8" MNPT

**WARRANTY**  
★ ★ ★  
**1 YEAR\***  
★ ★ ★  
**WARRANTY**

\* On Manufacturing Defects

# Triplex Plunger Pumps

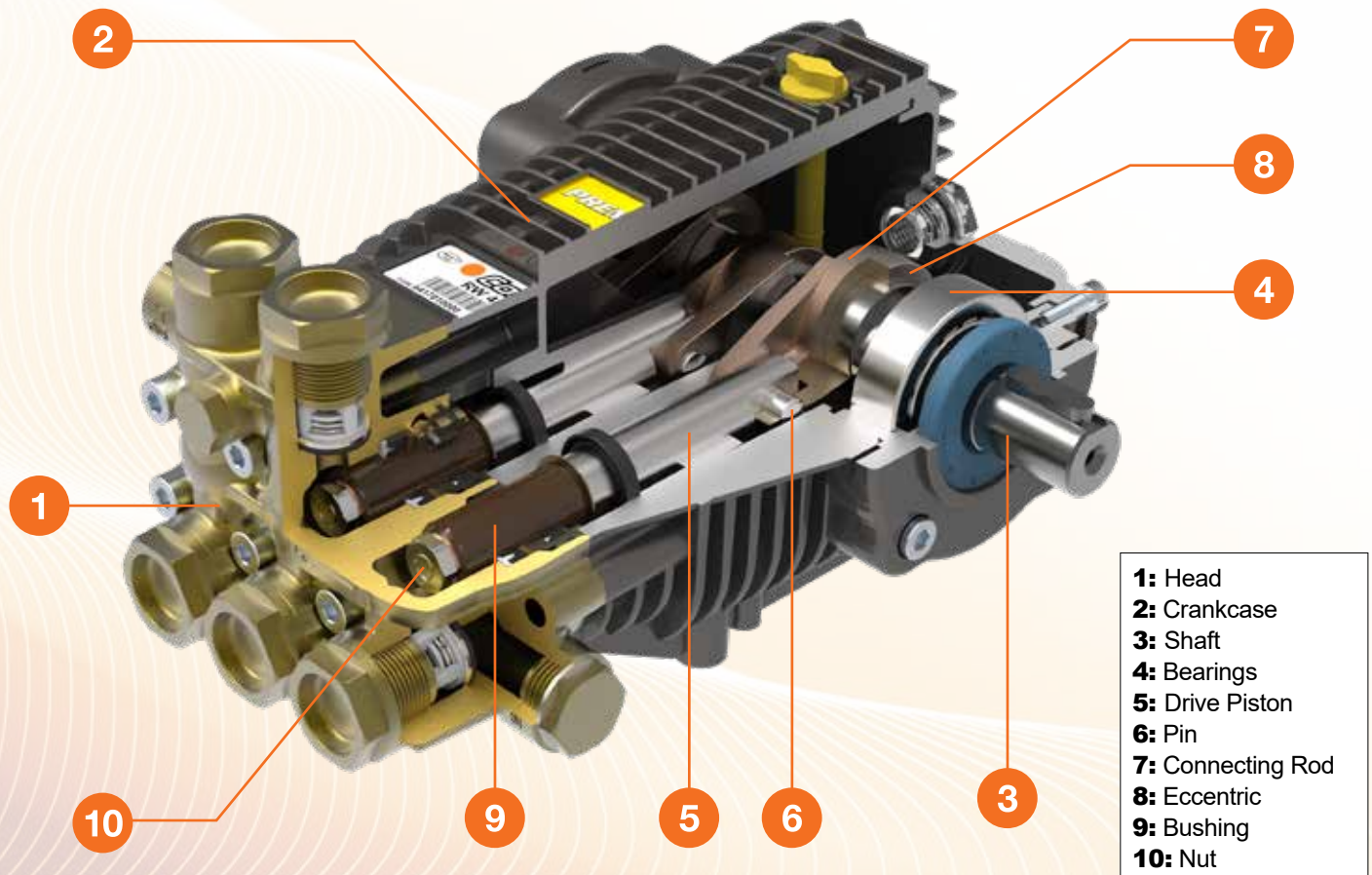
The Comet triplex (inline) plunger pump features several main pumping elements.

1. Hydraulic components in pump head
2. Mechanical-kinematic components (oil bath) in crankcase
3. Hydraulic seal system on the pistons that consists of rings and seals
4. Suction and delivery valves

These pumping elements are arranged along parallel axes lying on the same horizontal plane. Each of the pumping elements consists of a piston, driven in a reciprocating manner by a rod-crank system, which is responsible for the suction and pressure actions.

The pumping piston is of the “plunger” type, i.e., the pumped liquid sealing system is fixed, while the piston slides inside. The pumping elements are driven by a shaft with three eccentrics offset by 120°. The shaft with three eccentrics is supported by two bearings and has one end protruding from the crankcase to get its motion from the motor driving the pump.

The reciprocating motion of the drive piston is produced by the connecting rod through the piston pin; the connecting rod is in turn operated by one of the three eccentrics belonging to the shaft which transmits the motion to the pump. The drive piston is connected to the pumping piston, which can be made with a ceramic bushing, fitted to the drive piston and retained by a nut, or by providing a ceramic insert section directly on the drive piston. The sealing system acts on the pumping piston to ensure the seal of the pumped liquid during the reciprocating pumping piston sliding.





# Setup Style

When it comes to Comet triplex plunger pumps, there are three main setup style options to choose from...



Solid Shaft  
(Ø24mm-30mm)



Hollow Shaft for Electric Engines  
(Ø 5/8" or 1 1/8")



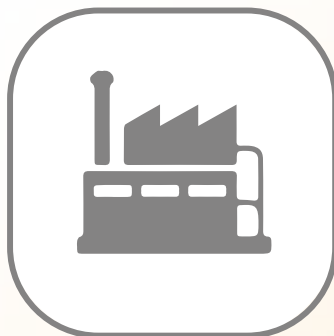
Hollow Shaft for Gas Engines  
(Ø 3/4" or 1")

# Popular Applications

Comet triplex plunger pumps can be used for a wide range of applications across multiple industries. Below are some of the popular industries in which Comet triplex plunger pumps are used.



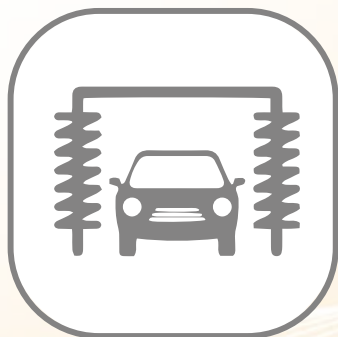
Commercial & Industrial  
Cleaning



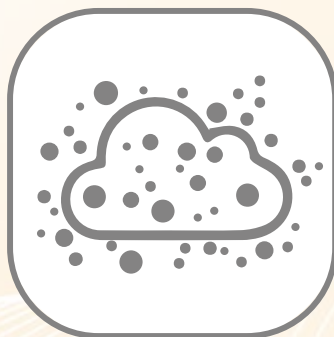
Manufacturing



Hydro Excavating  
& Sewer Jetting



Vehicle Cleaning



Misting



Food, Beverage  
& Pharmaceutical

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources



# LW Series

S | Ø24 mm



11oz OIL CAPACITY (30w Non-Detergent)



PUMP DIAGRAM ON PAGE 106.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24MM – 1450 RPM

LW SERIES REPAIR KITS

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31044-00197	LW 0509	S	15mm	0.5	870	0.3	13.4	3/8" FBSP	3/8" FBSP
31044-00188	LW 1009	S	15mm	1.0	870	0.5			
31044-00207	LW 1509	S	15mm	1.5	870	0.8			
31044-00082	LW 2020	S	15mm	2.1	2000	3.0			
31044-00033	LW 3020	S	18mm	3.0	2000	4.0		1/2" FBSP	
31044-00119	LW 3025	S	18mm	3.0	2500	5.0			
31044-00337	LW 3525	S	18mm	3.5	2500	5.5			

Part #	Kit Style	Description	
10001-01076	Seal	Water, 15mm	
10001-01078		Water, 18mm	
10001-01081		Oil, Solid Shaft	
10001-01089		Hot Water, 15mm	
10001-01090		Hot Water, 18mm	
10001-01092		Viton, 15mm	
10001-01091		Viton, 18mm	
10001-01607		Valve	Rebuild, 4 GPM /4000 PSI
10001-02026			Misting Pumps
10002-01690	Piston	15mm	
10002-01691		18mm	
5011.0184.00	Rail	Standard	
10001-00546		Tall	



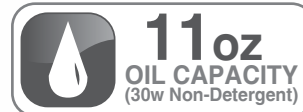
AVAILABLE ON REQUEST



\* On Manufacturing Defects



# LWS Series



PUMP DIAGRAM ON PAGE 106.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

LWS SERIES REPAIR KITS

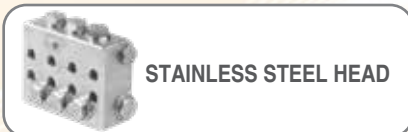
SOLID SHAFT Ø 24MM – 1750 RPM

Part #	Kit Style	Description	
10001-01076	Seal	Water, 15mm	
10001-01078		Water, 18mm	
10001-01081		Oil, Solid Shaft	
10001-01089		Hot Water, 15mm	
10001-01090		Hot Water, 18mm	
10001-01092		Viton, 15mm	
10001-01091		Viton, 18mm	
10001-01607		Valve	Rebuild, 4 GPM /4000 PSI
10001-02026			Misting Pumps
10002-01690	Piston	15mm	
10002-01691		18mm	
5011.0184.00	Rail	Standard	
10001-00546		Tall	

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31001-00113	LWS 0609	S	15mm	0.8	870	0.5	13.4	1/2" FBSP	3/8" FBSP
31001-00109	LWS 1809	S	18mm	1.9	870	1.1			
31001-00001	LWS 2020	S	15mm	2.2	2000	3.0			
31001-00022	LWS 3020	S	18mm	3.1	2000	4.0			
31001-00064	LWS 3025	S	18mm	3.2	2500	5.0			
* 31001-00053	LWS 3525	S	18mm	3.5	2500	5.9			
31001-00048	LWS 3525	S	18mm	3.6	2500	5.5			
31001-00072	LWS 4020	S	18mm	4.2	2000	5.5			
31001-00105	LWS 1209	S	18mm	1.2	870	0.7			
31001-00070	LWS 3025	S-K	15mm	3.2	2500	13.4			

\* Includes Hot Water Seals

AVAILABLE ON REQUEST



\* On Manufacturing Defects



# LWD Series

S | Ø24 mm



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 106.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 116 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24MM – 3400 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31003-00017	LWD 3020	S	15mm	3.0	2000	4.0	13.4	1/2" FBSP	3/8" FBSP
31003-00041	LWD 3025	S	18mm	3.0	2500	5.0			
31003-00057	LWD 3522	S	18mm	3.5	2200	5.0			

LWD SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01076	Seal	Water, 15mm
10001-01078		Water, 18mm
10001-01081		Oil, Solid Shaft
10001-01089		Hot Water, 15mm
10001-01090		Hot Water, 18mm
10001-01092		Viton, 15mm
10001-01091		Viton, 18mm
10001-01607	Valve	Rebuild, 4 GPM /4000 PSI
10002-01690	Piston	15mm
10002-01691		18mm
5011.0184.00	Rail	Standard
10001-00546		Tall



\* On Manufacturing Defects

AVAILABLE ON REQUEST

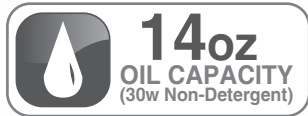




# ZW Series



ITEM NOT REGULARLY STOCKED CALL FOR INFO



PUMP DIAGRAM ON PAGE 106.



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

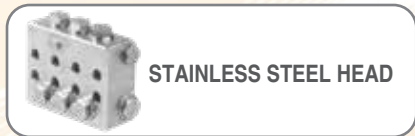
ZW SERIES REPAIR KITS

SOLID SHAFT Ø 24MM – 1750 RPM

Part #	Kit Style	Description
5019.0652.00	Seal	Water, 15mm
10001-01089		Hot Water, 15mm
10001-01081		Oil, Solid Shaft
10001-01092		Viton, 15mm
10001-01423		Kevlar, 15mm
10001-01607	Valve	Rebuild, 4 GPM /4000 PSI
10002-01690	Piston	15mm
10002-01702		Ceramic
5011.0184.00	Rail	Standard
10001-00546		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31006-00087	ZW 3030	S	15mm	3.2	3000	6.3	17.4	1/2" FBSP	3/8" FBSP
31006-00016	ZW 4025	S	15mm	4	2500	5.8	16.5		
31006-00060	ZW 4030	S	15mm	4	3000	7.5			

AVAILABLE ON REQUEST



\* On Manufacturing Defects



# FW2 Series

S | Ø24 mm



PUMP DIAGRAM ON PAGE 106.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24MM – 1450 RPM

FW2 SERIES REPAIR KITS

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31016-00049	FW2 3530	S	18mm	3.4	3000	7.0	19.4	1/2" FBSP	3/8" FBSP
31016-00113	FW2 3540	S	18mm	3.5	4000	11.0			
31016-00001	FW2 4030	S	18mm	4.0	3000	7.5			
31016-00103	FW2 4040	S	18mm	4.0	4000	11.0			
31016-00107	FW2 4540	S	18mm	4.4	4000	12.2			
31016-00052	FW2 5030	S	20mm	5.0	3000	10.0			
31016-00060	FW2 5522	S	20mm	5.6	2200	7.5			
31016-00080	FW2 5530	S	20mm	5.6	3000	10.5			

Part #	Kit Style	Description	
10001-01256	Seal	Water, 18mm (3530 - 4030 S)	
10001-01285		Water, 18mm (3540 - 4540 S)	
10001-01080		Water, 20mm	
10001-01257		Oil, Solid Shaft	
10001-01089		Hot Water, 18mm	
10001-01384		Hot Water, 20mm	
10001-01417		Hot Water, 18mm (Seals Only)	
10001-01095		Hot Water, 20mm (Seals Only)	
10001-01607		Valve	Rebuild, 4 GPM/4000 PSI
10001-01621			Rebuild, 5+ GPM/4000 PSI
10002-01692	Piston	18mm	
10002-01693		20mm	
10001-00521	Rail	Standard	
10001-00546		Tall	



AVAILABLE ON REQUEST

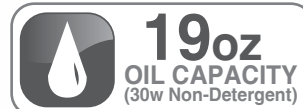


\* On Manufacturing Defects



# FWS2 Series

S | Ø24 mm



PUMP DIAGRAM ON PAGE 106.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

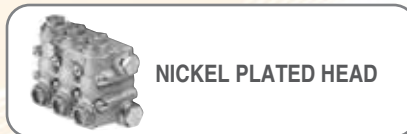
FWS2 SERIES REPAIR KITS

SOLID SHAFT Ø 24MM – 1750 RPM

Part #	Kit Style	Description	
10001-01256	Seal	Water, 18mm (3530 - 4030 S)	
10001-01285		Water, 18mm (3540 - 4540 S)	
10001-01080		Water, 20mm	
10001-01257		Oil, Solid Shaft	
10001-01089		Hot Water, 18mm	
10001-01384		Hot Water, 20mm	
10001-01417		Hot Water, 18mm (Seals Only)	
10001-01095		Hot Water, 20mm (Seals Only)	
10001-01607		Valve	Rebuild, 4 GPM/4000 PSI
10001-01621			Rebuild, 5+ GPM/4000 PSI
10002-01692	Piston	18mm	
10002-01693		20mm	
10001-00521	Rail	Standard	
10001-00546		Tall	

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	Inlet	Outlet
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31017-00001	FWS2 3530	S	18mm	3.6	3000	7.0	19.4	1/2" FBSP	3/8" FBSP
31017-00008	FWS2 4030	S	18mm	4.2	3000	7.5			
31017-00048	FWS2 4040	S	18mm	4.2	4000	11.0			
31017-00025	FWS2 4530	S	18mm	4.6	3000	10.0			
31017-00051	FWS2 5040	S	18mm	5.3	4000	14.0			
31017-00034	FWS2 5525	S	20mm	5.7	2500	10.0			
31017-00038	FWS2 5530	S	20mm	5.5	3000	10.5			
31017-00053	FWS2 6030	S	20mm	5.9	3000	11.9			

AVAILABLE ON REQUEST



\* On Manufacturing Defects

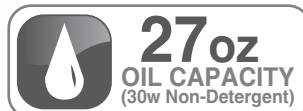


# RW Series

## PREMIUM



S | Ø24 mm



PUMP DIAGRAM ON PAGE 107.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24MM – 1450 RPM

RW SERIES REPAIR KITS

Part #	Model	Version	Ø	☕	📊	🔌	👤	↓	↑
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31030-00101	RW 3540	S	18mm	3.3	4000	8.7	24.6	1/2" FBSP	3/8" FBSP
31030-00001	RW 4030	S	18mm	4.1	3000	8.1	24.6		
31030-00106	RW 4035	S	18mm	4.0	3500	9.4	27.0		
31030-00137	RW 4040	S	18mm	4.0	4000	10.6	24.6		
31030-00107	RW 4540	S	18mm	4.4	4000	11.6	24.6		
31030-00038	RW 5030	S	18mm	5.0	3000	9.8	24.6		
31030-00123	RW 5040	S	18mm	5.0	4000	13.1	24.6		
31030-00064	RW 5530	S	20mm	5.1	3000	10.8	24.6		
31030-00126	RW 5535	S	20mm	5.3	3500	12.6	24.6		
* 10002-01693	RW 5535	S	20mm	5.3	3500	12.6	24.6		
31030-00095	RW 6030	S	20mm	6.2	3000	12.1	24.6	3/4" FBSP	
31030-00156	RW 6522	S	20mm	6.6	2200	9.6	24.6		
31030-00157	RW 7522	S	20mm	7.3	2200	10.8	24.6		
31030-00161	RW 8018	S	20mm	7.9	1800	11.9	24.6		
31030-00163	RW 8515	S	20mm	8.7	1800	11.9	24.6		
31030-00164	RW 9518	S	20mm	9.8	1800	11.9	24.6		

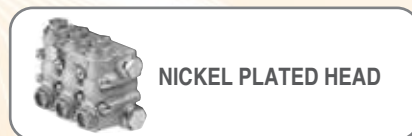
Part #	Kit Style	Description
10001-01390	Seal	Oil, Solid Shaft
10001-01388		Water, 18mm
10001-01387		Water, 20mm
10001-01389		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01706	Piston	18mm
10002-01693		20mm
10001-00559	Rail	Standard
10001-00587		Tall

\* 1" Gearbox



\* On Manufacturing Defects

AVAILABLE ON REQUEST

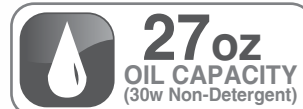






# RWS Series

PREMIUM



PUMP DIAGRAM ON PAGE 107.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

RWS SERIES REPAIR KITS

SOLID SHAFT Ø 24MM – 1750 RPM

Part #	Kit Style	Description
10001-01390	Seal	Oil, Solid Shaft
10001-01388		Water, 18mm
10001-01387		Water, 20mm
10001-01389		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01706	Piston	18mm *
00016-00330		20mm
10001-00559	Rail	Standard
10001-00587		Tall *

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31031-00001	RWS 3030	S	20mm	3.0	3000	6.0	27.0	1/2" FBSP	3/8" FBSP
31031-00044	RWS 3035	S	20mm	3.0	3500	7.0	27.0		
31031-00003	RWS 3530	S	20mm	3.6	3000	7.2	27.0		
31031-00046	RWS 3540	S	18mm	3.6	4000	9.5	24.6		
31031-00011	RWS 4030	S	20mm	4.0	3000	8.1	24.6		
31031-00049	RWS 4040	S	18mm	4.0	4000	10.5	24.6		
31031-00024	RWS 4530	S	20mm	4.4	3000	8.8	27.0		
31031-00058	RWS 4540	S	18mm	4.8	4000	12.7	24.6		
31031-00026	RWS 5030	S	20mm	4.9	3000	9.8	24.6		
31031-00062	RWS 5040	S	20mm	5.3	4000	14.1	24.6		
31031-00032	RWS 5530	S	20mm	5.7	3000	11.2	24.6		
31031-00064	RWS 5535	S	20mm	5.7	3500	13.1	24.6		
31031-00038	RWS 6020	S	20mm	5.9	2000	7.9	27.0		
31031-00039	RWS 6040	S	20mm	6.0	4000	15.8	24.6		
31031-00043	RWS 6520	S	20mm	6.6	2000	8.7	24.6		
31031-00065	RWS 7020	S	20mm	7.1	2000	9.8	24.6		
31031-00069	RWS 8022	S	20mm	7.9	2200	11.5	26.2		
31031-00071	RWS 8522	S	20mm	8.7	2200	13.0	26.2		
31031-00072	RWS 9518	S	20mm	9.3	2200	13.5	26.2		
31031-00073	RWS 10018	S	20mm	10.1	1800	12.2	26.2		

\* Available in Left-Handed Version



\* On Manufacturing Defects

AVAILABLE ON REQUEST



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

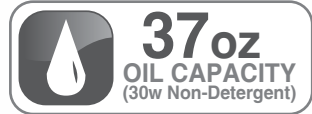
Hydraulic Pumps

Accessories

Resources



# SW Series SWS Series PREMIUM



PUMP DIAGRAM ON PAGE 107.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24MM – 1450 RPM (SW) & 1750 RPM (SWS)

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31028-00001	SW 4040	S	20mm	4.0	4000	11.0	40.0	1/2" FBSP	3/8" FBSP
31028-00004	SW 5540	S	20mm	5.5	4000	14.5			
31029-00001	SWS 4040	S	20mm	4.0	4000	11.0			
31029-00003	SWS 5025	S	20mm	5.0	2500	7.5			

SW/SWS SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01365	Seal	Oil, Solid Shaft
10001-01363		Water, 20mm
10001-01385		Hot Water, 20mm
10001-01380		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01693	Piston	20mm
5011.0214.00	Rail	Standard
10001-00607		Tall



\* On Manufacturing Defects

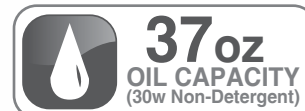


# TWN Series

## PREMIUM



ITEM NOT REGULARLY STOCKED CALL FOR INFO



PUMP DIAGRAM ON PAGE 108.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 117 FOR A CROSS-REFERENCE GUIDE ///

TWN SERIES REPAIR KITS

SOLID SHAFT Ø 24MM – 1000 RPM

Part #	Kit Style	Description
10001-01362	Seal	Water, 25mm
10001-01393		Oil, Solid Shaft
10001-01616	Valve	Rebuild, < 4000 PSI
10002-01698	Piston	25mm
5011.0214.00	Rail	Standard
10001-00607		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31025-00001	TWN 6036	S	25mm	6.0	3600	14.0	44.0	3/4" FBSP	3/8" FBSP
31025-00006	TWN 7025	S	25mm	7.0	2500	11.5			
31025-00007	TWN 8025	S	25mm	8.0	2500	12.5			



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources



# TW Series

## PREMIUM



**S** | Ø24 mm  
Ø30 mm

**37oz**  
OIL CAPACITY  
(30w Non-Detergent)

PUMP DIAGRAM  
ON PAGE 108.



**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///**

SOLID SHAFT Ø 24 MM / Ø 30 MM - 1450 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31026-00014	TW 4550	S	18mm	4.7	5000	15.5	44.0	1/2" FBSP	3/8" FBSP
31026-00068	TW 5050	S	18mm	5.2	5000	17.5			
31026-00001	TW 5550	S	18mm	5.8	5000	19.0			
31026-00023	TW 7036	S	20mm	7.0	3600	16.5			
31026-00170	TW 8036	S	20mm	8.0	3600	18.6			
31026-00077	TW 8030	S	20mm	8.7	3000	17.0			
31026-00035	TW 8036	S	20mm	8.6	3600	20.5		1/2" FBSP	
* 31026-00106	TW 8040	S	20mm	8.6	4000	23.0			
31026-00045	TW 10025	S	25mm	10.0	2500	16.5		3/4" FBSP	
31026-00051	TW 11025	S	25mm	11.0	2500	18.5			
31026-00062	TW 11030	S	25mm	11.0	3000	22.1			
31026-00142	TW 13022	S	28mm	12.8	2200	18.4		1/2" FBSP	
31026-00146	TW 14022	S	28mm	14.1	2200	20.3			

\* 30mm Shaft

TW SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01360	Seal	Water, 18mm
10001-01361		Water, 22mm
10001-01362		Water, 25mm
10001-01322		Water, 28mm
10001-01393		Oil, Solid Shaft (7036-14022 S)
10001-01364		Oil, Solid Shaft (4550-5550 S)
10001-01616	Valve	Rebuild, < 4000 PSI
10001-01617		Rebuild, > 4000 PSI
10002-01699	Piston	18mm
10002-01697		22mm
10002-01698		25mm
10002-01716		28mm
5011.0214.00	Rail	Standard
10001-00607		Tall

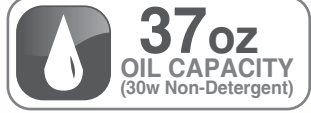
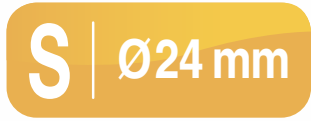


\* On Manufacturing Defects



# TWS Series

## PREMIUM



PUMP DIAGRAM ON PAGE 108.



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///**

TWS SERIES REPAIR KITS

SOLID SHAFT Ø 24 MM - 1750 RPM

Part #	Kit Style	Description
10001-01360	Seal	Water, 18mm
10001-01361		Water, 22mm
10001-01362		Water, 25mm
10001-01393		Oil, Solid Shaft (8035-13020 S)
10001-01364		Oil, Solid Shaft (5050-7040 S)
10001-01616		Valve
10001-01617	Rebuild, > 4000 PSI	
10002-01699	Piston	18mm
10002-01697		22mm
10002-01698		25mm
5011.0214.00	Rail	Standard
10001-00607		Tall

Part #	Model	Version	Ø	👉	📊	🔌	👤	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31027-00025	TWS 5050	S	18mm	5.3	5000	17.5	44.0	1/2" FBSP	3/8" FBSP
31027-00001	TWS 5550	S	18mm	5.6	5000	19.0			
* 31027-00003	TWS 5550	S	18mm	5.6	5000	19.0			
31027-00005	TWS 7040	S	18mm	7.0	4000	18.5		3/4" FBSP	
31027-00011	TWS 8035	S	22mm	8.3	3500	19.5			
* 31027-00013	TWS 8035	S	22mm	8.3	3500	19.5			
31027-00016	TWS 9030	S	22mm	9.3	3000	19.0			
31027-00032	TWS 10030	S	22mm	10.7	3000	20.0			
31027-00023	TWS 13020	S	25mm	13.0	2000	12.2			

\* Left-Handed



\* On Manufacturing Defects

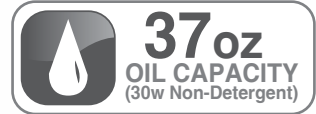


# TW 500 Series

## PREMIUM



**S** | Ø24 mm  
Ø30 mm



PUMP DIAGRAM  
ON PAGE 108.



**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///**

SOLID SHAFT Ø 24 MM / Ø 30 MM - 1450 RPM

TW SERIES REPAIR KITS

Part #	Model	Version	Ø	☕	📊	🔌	👤	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31026-00127	TW 3570	S	18mm	3.4	7000	16.5	50.7	1/2" FBSP	3/8" FBSP
31026-00110	TW 4070	S	18mm	3.9	7000	18.8			
* 31026-00113	TW 4073	S	18mm	4.0	7300	19.3			
* 6513.2100.00	TW 4570	S	18mm	4.3	7000	20.2			
* 6513.1904.00	TW 5073	S	18mm	5.3	7300	25.2			

\* 30mm Shaft

Part #	Kit Style	Description
10001-01266	Seal	Water, 18mm
10001-01267		Oil, Solid Shaft
10001-01644	Valve	Rebuild, 4000-7000 PSI
10002-01699	Piston	18mm
5011.0214.00	Rail	Standard
10001-00607		Tall
10002-02671	Manifold	Pump

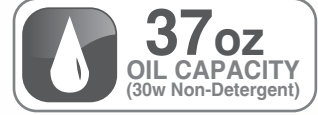


\* On Manufacturing Defects



# TWS 500 Series

## PREMIUM



PUMP DIAGRAM ON PAGE 108.



**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///**

TWS SERIES REPAIR KITS

SOLID SHAFT Ø 24 MM / Ø 30 MM - 1750 RPM

Part #	Kit Style	Description
10001-01266	Seal	Water, 18mm
10001-01267		Oil, Solid Shaft
10001-01644	Valve	Rebuild, 4000-7000 PSI
10002-01699	Piston	18mm
5011.0214.00	Rail	Standard
10001-00607		Tall
10002-02671	Manifold	Pump

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31027-00035	TWS 4073	S	18mm	4.1	7300	19.3	50.7	1/2" FBSP	3/8" FBSP
* 31027-00038	TW 4070	S	18mm	4.6	7000	22.1			

\* 30mm Shaft



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triples (Solid)

Triples (Electric)

Triples (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources



# RW Series

S | Ø24 mm



PUMP DIAGRAM ON PAGE 107.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24 MM - 1450 RPM

RW SERIES REPAIR KITS

Part #	Model	Version	Ø	☕	📏	🔌	📦	↓	↑
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31030-00003	RW 4030	S	20mm	4.1	3000	8.1	24.6	1/2" FBSP	3/8" FBSP
31030-00067	RW 5530	S	20mm	5.1	3000	10.8			
31030-00127	RW 5535	S	20mm	5.3	3500	12.6			
31030-00097	RW 6030	S	20mm	6.2	3000	12.1			

Part #	Kit Style	Description
5019.0690.00		Oil, Solid Shaft
10001-01391	Seal	Hot Water, 20mm
10001-01389		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
00016-00330	Piston	20mm
10001-00559	Rail	Standard
10001-00587		Tall

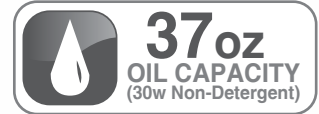
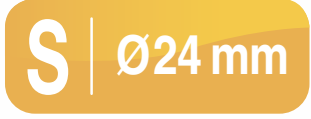


\* On Manufacturing Defects





# SW Series



PUMP DIAGRAM ON PAGE 107.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///**

SW SERIES REPAIR KITS

SOLID SHAFT Ø 24 MM - 1450 RPM

Part #	Kit Style	Description
10001-01365	Seal	Oil, Solid Shaft
10001-01385		Hot Water, 20mm
10001-01380		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01693	Piston	20mm
5011.0214.00	Rail	Standard
10001-00607		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31028-00003	SW 4040	S	20mm	4.0	4000	11.0	40.0	3/8" FBSP	3/8" FBSP
31028-00008	SW 5540	S	20mm	5.5	4000	14.5			

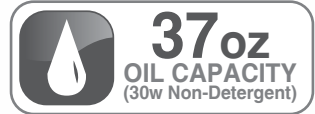


\* On Manufacturing Defects



# SWS Series

S | Ø24 mm



PUMP DIAGRAM ON PAGE 107.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///

SOLID SHAFT Ø 24 MM - 1750 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31029-00002	SWS 4040 S	S	20mm	4.0	4000	11.0	40.0	1/2" FBSP	3/8" FBSP

SWS SERIES REPAIR KITS

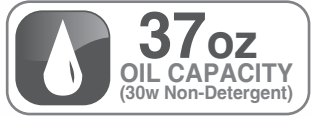
Part #	Kit Style	Description
10001-01365	Seal	Oil, Solid Shaft
10001-01385		Hot Water, 20mm
10001-01380		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10002-01693	Piston	20mm
5011.0214.00	Rail	Standard
10001-00607		Tall



\* On Manufacturing Defects



# TW Series



PUMP DIAGRAM ON PAGE 108.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///

TW SERIES REPAIR KITS

SOLID SHAFT Ø 24 MM - 1450 RPM

Part #	Kit Style	Description
10001-01369	Seal	Hot Water, 22mm
10001-01370		Hot Water, 25mm
10001-01393		Oil, Solid Shaft (8030 & 8036 S)
10001-01364		Oil, Solid Shaft (11025 S)
10001-01377		Kevlar, 22mm
10001-01378		Kevlar, 25mm
10001-01616		Valve
10002-01697	Piston	22mm
10002-01698		25mm
5011.0214.00	Rail	Standard
10001-00607		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31026-00078	TW 8030	S	22mm	8.7	3000	17.0	44.0	3/4" FBSP	3/8" FBSP
31026-00037	TW 8036	S	22mm	8.6	3600	20.5			
31026-00052	TW 11025	S	25mm	11.2	2500	18.5			



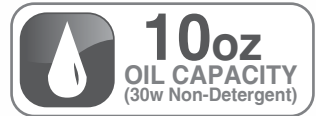
\* On Manufacturing Defects



# BWD-K Series



DIRECT DRIVE MOTOR - NEMA 56 C



PUMP DIAGRAM ON PAGE 108.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 118 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 5/8" - 3400 RPM

Part #	Model	Version	Ø	☕	📊	🔌	🏋️	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31034-00019	BWD-K 2020 E	E	14mm	1.9	2000	2.7	13.3	1/2" FBSP	3/8" FNPT
31034-00008	BWD-K 3020 E	E	14mm	2.7	2000	3.7			

BWD-K SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01399	Seal	Water, 2000 PSI
10001-01400		Oil, Hollow Shaft
10001-01626	Valve	Rebuild, < 4000 PSI
10002-01336	Unloader	Unloader, 2610 PSI



\* On Manufacturing Defects



# LWS-K Series



DIRECT DRIVE MOTOR - NEMA 56 C



PUMP DIAGRAM ON PAGE 108.



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///

LWS-K SERIES REPAIR KITS

HOLLOW SHAFT Ø 5/8" MM - 1750 RPM

Part #	Kit Style	Description
10001-01078	Seal	Water, 18mm
10001-01082		Oil, Hollow Shaft
10001-01090		Hot Water, 18mm
10001-01091		Viton, 18mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10002-01336	Unloader	Unloader, 2610 PSI
10001-01817		Rebuild
10001-01810		Maintenance
10002-01691	Piston	18mm
5011.0184.00	Rail	Standard
10001-00546		Tall

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	Inlet	Outlet
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31001-00035	LWS-K 3020 E	E	18mm	3.0	2000	4.0	13.4	1/2" FBSP	M22 x 1.5M



\* On Manufacturing Defects



# LWD-K Series



DIRECT DRIVE MOTOR - NEMA 56 C



PUMP DIAGRAM ON PAGE 108.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 5/8" MM - 3400 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31003-00005	LWD-K 2020	E	15mm	2.1	2000	3.0	13.4	1/2" FBSP	M22 x 1.5M
31003-00008	LWD-K 2020	E	15mm	2.2	2000	3.0	13.0	1/2" FBSP	3/8" FBSP

LWD-K SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01076	Seal	Water, 15mm
10001-01082		Oil, Hollow Shaft
10001-01089		Hot Water, 15mm
10001-01092		Viton, 15mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10002-01336	Unloader	Unloader, 2610 PSI
10001-01817		Rebuild
10001-01810		Maintenance
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall



\* On Manufacturing Defects



# LWS Series

**E** | Ø 5/8"



DIRECT DRIVE MOTOR - NEMA 56 C

**11oz**  
OIL CAPACITY  
(30w Non-Detergent)



PUMP DIAGRAM ON PAGE 109.

Axial (Electric)

Axial (Gas)

Triples (Solid)

Triples (Electric)

Triples (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///

LWS SERIES REPAIR KITS

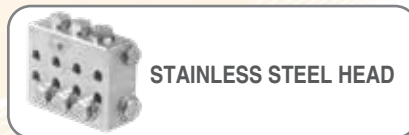
HOLLOW SHAFT Ø 5/8" - 1750 RPM

Part #	Kit Style	Description	
10001-01076	Seal	Water, 15mm	
10001-01082		Water, 18mm	
10001-01089		Oil, Hollow Shaft	
10001-01092		Hot Water, 15mm	
10001-01607		Hot Water, 18mm	
10002-01336		Viton, 15mm	
10001-01817		Viton, 18mm	
10001-01810		Valve	Rebuild, 4 GPM/4000 PSI
10002-01690			Misting Pumps
5011.0184.00		Piston	15mm
10002-01690	18mm		
5011.0184.00	Rail	Standard	
10001-00546		Tall	

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
* 31001-00102	LWS 0409	GE	18mm	0.6	900	0.4	13.4	3/8" FBSP	3/8" FBSP
31001-00114	LWS 0609	E	15mm	0.8	870	0.5			
31001-00106	LWS 1209	E	18mm	1.2	870	0.7			
31001-00110	LWS 1809	E	18mm	1.9	870	1.1			
● 31001-00111	LWS 1809	E	18mm	1.9	870	1.1			
31001-00003	LWS 2020	E	15mm	2.2	2000	3.0			
31001-00025	LWS 3020	E	18mm	3.1	2000	4.0		1/2" FBSP	
31001-00024	LWS 3520	E	18mm	3.5	2000	5.0			

- \* Featuring 3/4" Hollow Shaft
- Nickel Plated Head

AVAILABLE ON REQUEST



\* On Manufacturing Defects



# LWD Series

**E** | Ø 5/8"



DIRECT DRIVE MOTOR - NEMA 56 C

**11oz**  
OIL CAPACITY  
(30w Non-Detergent)



PUMP DIAGRAM  
ON PAGE 109.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 5/8" - 3400 RPM

LWD SERIES REPAIR KITS

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31003-00003	LWD 2020	E	15mm	2.2	2000	3.0	13.0	1/2" FBSP	3/8" FBSP
31003-00019	LWD 3020	E	15mm	3.0	2000	4.0			
31003-00059	LWD 3522	E	15mm	3.4	2200	5.0			
* 31003-00058	LWD 3522	GE	15mm	3.4	2200	4.9			

\* Featuring 3/4" Hollow Shaft

Part #	Kit Style	Description
10001-01076	Seal	Water, 15mm
10001-01082		Oil, Hollow Shaft
10001-01089		Hot Water, 15mm
10001-01092		Viton, 15mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall



\* On Manufacturing Defects

AVAILABLE ON REQUEST



STAINLESS STEEL HEAD





# FWS2 Series

**E** | Ø 1-1/8"



DIRECT DRIVE MOTOR - NEMA 182-184 TC

**19oz**  
OIL CAPACITY  
(30w Non-Detergent)



PUMP DIAGRAM  
ON PAGE 109.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///**

FWS2 SERIES REPAIR KITS

HOLLOW SHAFT Ø 1-1/8" - 1750 RPM

Part #	Kit Style	Description
10001-01256	Seal	Water, 18mm
10001-01080		Water, 20mm
10001-01295		Oil, Hollow Shaft
10001-01089		Hot Water, 18mm
10001-01384		Hot Water, 20mm
10001-01417		Hot Water, 18mm (Seals Only)
10001-01095		Hot Water, 20mm (Seals Only)
10001-01607		Valve
10001-01621	Rebuild, 5+ GPM/4000 PSI	
10002-01692	Piston	18mm
10002-01693		20mm
10001-00521	Rail	Standard
10001-00546		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31017-00045	FWS2 3030	E	18mm	2.9	3000	5.8	19.6	1/2" FBSP	3/8" FBSP
31017-00002	FWS2 3530	E	18mm	3.6	3000	7.0			
31017-00010	FWS2 4030	E	18mm	4.2	3000	7.5			
31017-00026	FWS2 4530	E	18mm	4.6	3000	10.0			
31017-00028	FWS2 5030	E	20mm	5.0	3000	10.0			
31017-00040	FWS2 5530	E	20mm	5.5	3000	10.5			

AVAILABLE ON REQUEST



\* On Manufacturing Defects



# FWD2 Series

**E** | Ø 1-1/8"



DIRECT DRIVE MOTOR - NEMA 182-184 TC

**19oz**  
OIL CAPACITY  
(30w Non-Detergent)



PUMP DIAGRAM  
ON PAGE 109.

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///**

HOLLOW SHAFT Ø 1-1/8" - 3400 RPM

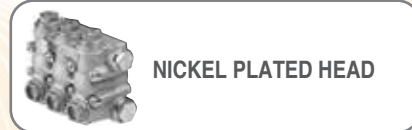
FWD2 SERIES REPAIR KITS

Part #	Model	Version	Ø	☕	📊	🔌	👤	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31018-00001	FWD2 4530	E	18mm	4.3	3000	9.5	19.8	1/2" FBSP	3/8" FBSP
31018-00009	FWD2 4540	E	18mm	4.3	4000	12.6			
31018-00005	FWD2 5030	E	18mm	5.1	3000	11.0			
31018-00011	FWD2 5040	E	18mm	5.1	4000	14.7			

Part #	Kit Style	Description
10001-01256	Seal	Water, 18mm (4530)
10001-01285		Water, 18mm (4540 - 5040 E)
10001-01086		Oil, Hollow Shaft
10001-01089		Hot Water, 18mm
10001-01384		Viton, 18mm
10001-01417		Hot Water, 18mm (Seals Only)
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01692	Piston	18mm
10001-00521	Rail	Standard
10001-00546		Tall



AVAILABLE ON REQUEST



\* On Manufacturing Defects



# RWS Series

**E** | Ø 1-1/8"



DIRECT DRIVE MOTOR - NEMA 182-184 TC

**PREMIUM**

**27oz**  
OIL CAPACITY  
(30w Non-Detergent)



PUMP DIAGRAM ON PAGE 109.

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///**

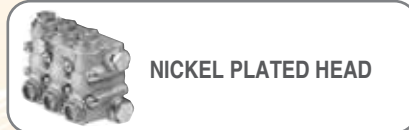
**RWS SERIES REPAIR KITS**

**HOLLOW SHAFT Ø 1-1/8" - 1750 RPM**

Part #	Kit Style	Description
10001-01394		Oil, Hollow Shaft
10001-01387	Seal	Water, 20mm
10001-01389		Kevlar, 20mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10001-01621		Rebuild, 5+ GPM/4000 PSI
10002-01693	Piston	20mm
10001-00559	Rail	Standard
10001-00587		Tall

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	↓	↑
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
6518.0201.00	RWS 3530	E	20mm	3.6	3000	7.2	24.6	1/2" FBSP	3/8" FBSP
6518.0401.00	RWS 4030	E	20mm	4.0	3000	8.1			
6518.1202.00	RWS 4040	E	20mm	4.0	4000	10.5			
6518.0601.00	RWS 5030	E	20mm	4.9	3000	9.8			
6518.0701.00	RWS 5530	E	20mm	5.7	3000	11.2			

AVAILABLE ON REQUEST



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

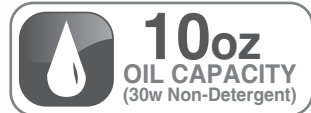
Resources



# BWD-K Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 110.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 119 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 3/4" - 3400 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31034-00002	BWD-K 2527 G	G	14mm	2.5	2700	5.0	13.3	1/2" FBSP	3/8" MNPT
31034-00031	BWD-K 3027 G	G	14mm	3.0	2700	5.8			

BWD-K SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01401	Seal	Water, 14mm
10001-01400		Oil, Hollow Shaft
10001-01626	Valve	Rebuild, < 4000 PSI
10002-01337	Unloader	Unloader, 4000 PSI



\* On Manufacturing Defects



# DWD-K Series

DIRECT DRIVE MOTOR - SAE J 609A / SAE J 609B



PUMP DIAGRAM ON PAGE 110.

**G** | Ø 3/4"

**G** | Ø 1"

**9.0oz**  
OIL CAPACITY  
(30w Non-Detergent)

**Built-In Unloader**

Axial (Electric)

Axial (Gas)

Triples (Solid)

Triples (Electric)

Triples (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///**

DWD-K SERIES REPAIR KITS

HOLLOW SHAFT Ø 3/4" AND 1" - 3400 RPM

Part #	Kit Style	Description
10001-01465	Seal	Water, 12mm
10001-01466		Oil, Hollow Shaft (3036 & 3536 G)
10001-01467		Oil, Hollow Shaft (2530 G)
10001-01687	Valve	Rebuild, < 4000 PSI

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31009-00007	DWD-K 2530 G		12mm	2.5	3000	4.9	11.5	1/2" FNPT	M22
* 31009-00005	DWD-K 3036 G		12mm	2.9	3600	7.4	12.2		3/8" MNPT
* 31009-00002	DWD-K 3536 G		12mm	3.4	3600	8.6			

\* Featuring 1" Hollow Shaft



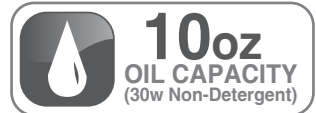
\* On Manufacturing Defects



# AWD-K Series



DIRECT DRIVE MOTOR - SAE J 609B



PUMP DIAGRAM ON PAGE 110.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 1" - 3400 RPM

AWD-K SERIES REPAIR KITS

Part #	Model	Version	Ø	🍹	📊	🔌	👤	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31033-00001	AWD-K 3030	G	14mm	3.0	3000	6.4	14.4	1/2" FBSP	3/8" MNPT
31033-00003	AWD-K 3530	G	14mm	3.5	3000	7.4			
31033-00007	AWD-K 4030	G	14mm	4.0	3000	7.5			
31033-00008	AWD-K 4036	G	14mm	4.0	3600	10.2			

Part #	Kit Style	Description
10001-01401	Seal	Water, 14mm
10001-01402		Oil, Hollow Shaft
10001-01626	Valve	Rebuild, < 4000 PSI
10002-01337	Unloader	Unloader, 4000 PSI



\* On Manufacturing Defects

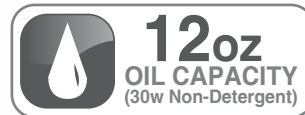


# EWD Series



# EWD-K Series

DIRECT DRIVE MOTOR - SAE J 609B



PUMP DIAGRAM ON PAGE 111.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

EWD-K SERIES REPAIR KITS

HOLLOW SHAFT Ø 1" - 3400 RPM

Part #	Kit Style	Description
10001-01422	Seal	Water, 13mm
10001-01323		Oil, Hollow Shaft
10001-01669	Valve	Rebuild, 4200 PSI
10002-16159	Piston	Plunger

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31008-00025	EWD-K 3535	G	13mm	3.4	3500	9.8	14.5	1/2" FBSP	3/8" MNPT
31008-00004	EWD 4042	G	13mm	4.0	4200	11.0			
31008-00018	EWD-K 4042	G	13mm	4.0	4200	11.0			

\* Regulator Not Included.



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triples (Solid)

Triples (Electric)

Triples (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources



# LWD Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 111.



/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 3/4" - 3400 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31003-00002	LWD 2020	G	15mm	2.2	2000	3.0	13.4	1/2" FBSP	3/8" FBSP
31003-00073	LWD 2520	G	15mm	2.5	2000	3.6	13.0		
31003-00077	LWD 2525	G	15mm	2.5	2500	4.5	13.0		
31003-00045	LWD 3027	G	15mm	3.0	2700	4.8	13.4		
31003-00018	LWD 3020	G	15mm	3.0	2000	4.0	13.0		
31003-00040	LWD 3025	G	15mm	3.0	2500	5.0	13.0		
31003-00056	LWD 3522	G	15mm	3.4	2200	5.0	13.0		

LWD SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01076	Seal	Water, 15mm
10001-01082		Oil, Hollow Shaft
10001-01089		Hot Water, 15mm
10001-01092		Viton, 15mm
10001-01607		Valve
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall



\* On Manufacturing Defects

AVAILABLE ON REQUEST







# LWD-K Series



DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 111.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

LWD-K SERIES REPAIR KITS

HOLLOW SHAFT Ø 3/4" - 3400 RPM

Part #	Kit Style	Description
10001-01076	Seal	Water, 15mm
10001-01082		Oil, Hollow Shaft
10001-01089		Hot Water, 15mm
10001-01092		Viton, 15mm
10001-01607	Valve	Rebuild, 4 GPM/4000 PSI
10002-01336	Unloader	Unloader, 2610 PSI
10001-01817		Rebuild
10001-01810		Maintenance
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall

Part #	Model	Version	Ø	Hand	Gauge	Power	Weight	Inlet	Outlet
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31003-00006	LWD-K 2020	G	15mm	2.1	2000	3.0	13.4	1/2" FBSP	M22 x 1.5M
31003-00075	LWD-K 2520	G	15mm	2.5	2000	3.5			
31003-00078	LWD-K 2525	G	15mm	2.5	2500	4.5			
31003-00081	LWD-RF 2527	G	15mm	2.5	2700	4.8			
31003-00026	LWD-K 3020	G	15mm	3.0	2000	4.0			
31003-00050	LWD-K 3025	G	15mm	3.0	2500	5.0			

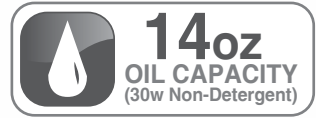


\* On Manufacturing Defects



# ZWD Series

DIRECT DRIVE MOTOR - SAE J 609A



PUMP DIAGRAM ON PAGE 111.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 3/4" - 3400 RPM

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31004-00091	ZWD 2535 G	G	15mm	2.5	3500	5.8	17.5	1/2" FBSP	3/8" FBSP
31004-00004	ZWD 3030 G	G	15mm	3.0	3200	6.4			

ZWD SERIES REPAIR KITS

Part #	Kit Style	Description
10001-01104	Seal	Water, 15mm
10001-01089		Hot Water, 15mm
10001-01105		Oil, Hollow Shaft
10001-01092		Viton, 15mm
10001-01423		Kevlar, 15mm
10001-01607	Valve	Rebuild, 2610 PSI
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall



\* On Manufacturing Defects



# ZWD Series



DIRECT DRIVE MOTOR - SAE J 609B



PUMP DIAGRAM ON PAGE 112.

**/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///**

ZWD SERIES REPAIR KITS

HOLLOW SHAFT Ø 1" - 3400 RPM

Part #	Kit Style	Description
10001-01104	Seal	Water, 15mm
10001-01089		Hot Water, 15mm
10001-01105		Oil, Hollow Shaft (3035-4530 G)
10001-01327		Oil, Hollow Shaft (5030 & 5530 G)
10001-01092		Viton, 15mm
10001-01423		Kevlar, 15mm
10001-01607		Valve
10001-01621	Rebuild, 5+ GPM /4000 PSI	
10002-01690	Piston	15mm
10002-01702		18mm
5011.0184.00	Rail	Standard
10001-00546		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31004-00082	ZWD 3035	G	15mm	3.0	3500	7.0	17.4	1/2" FBSP	3/8" FBSP
31004-00067	ZWD 3040	G	15mm	3.0	3000	7.9			
31004-00085	ZWD 3535	G	15mm	3.4	3500	7.6			
31004-00052	ZWD 3540	G	15mm	3.4	4000	9.5			
31004-00089	ZWD 4035	G	15mm	4.0	3500	8.7			
31004-00037	ZWD 4040	G	15mm	4.0	4000	11.0			
31004-00092	ZWD 4530	G	15mm	4.6	3000	9.8			
31004-00093	ZWD 5030	G	15mm	5.1	3000	10.8			
31004-00095	ZWD 5530	G	15mm	5.5	3000	11.6			



\* On Manufacturing Defects

Axial (Electric)

Axial (Gas)

Triples (Solid)

Triples (Electric)

Triples (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources



# ZWD-K Series



DIRECT DRIVE MOTOR - SAE J 609B



PUMP DIAGRAM ON PAGE 112.

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

HOLLOW SHAFT Ø 1" - 3400 RPM

ZWD-K SERIES REPAIR KITS

Part #	Model	Version	Ø	☕	📊	🔌	📦	⬇️	⬆️
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31004-00084	ZWD-K 3035	G	15mm	3.0	3500	7.0	17.4	1/2" FBSP	3/8" MNPT
31004-00087	ZWD-K 3535	G	15mm	3.4	3500	7.6			
31004-00057	ZWD-K 3540	G	15mm	3.5	4000	9.5			
31004-00090	ZWD-K 4035	G	15mm	4.0	3500	8.7			
* 31004-00079	ZWD-K 4040	G	15mm	4.0	4000	11.4			

Part #	Kit Style	Description
10001-01104	Seal	Water, 15mm
10001-01089		Hot Water, 15mm
10001-01105		Oil, Hollow Shaft
10001-01092		Viton, 15mm
10001-01423		Kevlar, 15mm
10002-01337	Unloader	Unloader, 4000 PSI
10001-01607	Valve	Rebuild
10002-01690	Piston	15mm
5011.0184.00	Rail	Standard
10001-00546		Tall

\* Model Equipped with EASY-START Device.



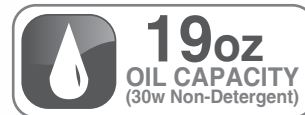
\* On Manufacturing Defects



# FWD2 Series



DIRECT DRIVE MOTOR - SAE J 609B



PUMP DIAGRAM ON PAGE 112.

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

/// OUR PART NUMBERS HAVE CHANGED, SEE PAGE 120 FOR A CROSS-REFERENCE GUIDE ///

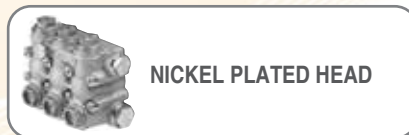
FWD2 SERIES REPAIR KITS

HOLLOW SHAFT Ø 1" - 3400 RPM

Part #	Kit Style	Description
10001-01086	Seal	Oil, Hollow Shaft
10001-01090		Hot Water, 18mm
10001-01091		Viton, 18mm
10001-01256		Water, 18mm (4530 & 4540 G)
10001-01285		Water, 18mm (5030 - 5540 G)
10001-01607		Valve
10001-01621	Rebuild, 5+ GPM/4000 PSI	
10002-01692	Piston	18mm
10001-00521	Rail	Standard
10001-00546		Tall

Part #	Model	Version							
			Piston	GPM	PSI	HP	LBS	Inlet	Outlet
31018-00002	FWD2 4530	G	18mm	4.3	3000	9.5	19.8	1/2" FBSP	3/8" FBSP
31018-00007	FWD2 4540	G	18mm	4.3	4000	12.6			
31018-00004	FWD2 5030	G	18mm	5.1	3000	11.0			
31018-00010	FWD2 5040	G	18mm	5.1	4000	14.7			
31018-00012	FWD2 5540	G	18mm	5.5	4000	15.6			

AVAILABLE ON REQUEST



\* On Manufacturing Defects

# Fully Plumbed Pumps

Now you can get our premium quality plunger pump assemblies, complete with uniform components, to reduce labor and make retrofitting pressure washers easier.



## COMMON FEATURES OF COMET FULLY PLUMBED PUMPS

- 1 3 foot soap hose with filter
- 2 3/8" QC plug
- 3 Thermal relief valve (1/4" FNPT)
- 4 Garden hose adapter with spring (1/2" MNPT)



## DWD-K Series Shown Above

Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6312.0450.10	DWD-K 2530	G	2.5	3000	3/4"	3400	Built-In	1/2" FNPT	3/8" QC	Yes	Yes



# BXD Series



Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6525.1002.10	BXD 2527	G	2.4	2700	3/4"	3400	Built-In	1/2" FNPT	3/8" FNPT	Yes	Yes



# CXD Series



Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6527.0004.10	CXD 2530	G	2.4	3400	3/4"	3400	Built-In	1/2" FNPT	3/8" FNPT	No	Yes

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources



# LWS Series



Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6301.0102.10	LWS 2020	E	2.0	2000	5/8"	1750	VR 54	1/2" FNPT	3/8" FNPT	Yes	Yes



# LWD Series



Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6303.0701.01	LWD 3025	G	3.0	2500	3/4"	3400	VRF 54	1/2" FNPT	3/8" FNPT	Yes	Yes
6303.0707.10	LWD 3027	G	3.0	2700	3/4"	3400	Banjo Kit or Set Up	1/2" FNPT	3/8" FNPT	Yes	Yes





# EWD Series



Part #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6311.0103.10	EWD 4042	G	4.0	4000	1"	3400	VRT 3	1/2" FNPT	3/8" FNPT	Yes	Yes



# ZWD Series



Old Part #	NEW PART #	Model	Version	GPM	PSI	Diameter	RPM	Unloader	Inlet	Outlet	Thermo	Garden Hose & Filter
6305.1600.10		ZWD 3035	G	3.0	3500	1"	3400	VRT 3	1/2" FNPT	3/8" FNPT	Yes	Yes
6305.0914.00	31004-00050	ZWD 4040	G	4.0	4000	1"	3400	VRT 3	1/2" FNPT	3/8" MNPT	No	Yes
6305.0915.00	31004-00051	ZWD 4040	G	4.0	4000	1"	3400	VRT 3	1/2" FNPT	3/8" FNPT	Yes	Yes
6305.2400.20		ZWD 5030	G	5.1	3000	1"	3400	VRT 3	1/2" FNPT	3/8" FNPT	Yes	Yes

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

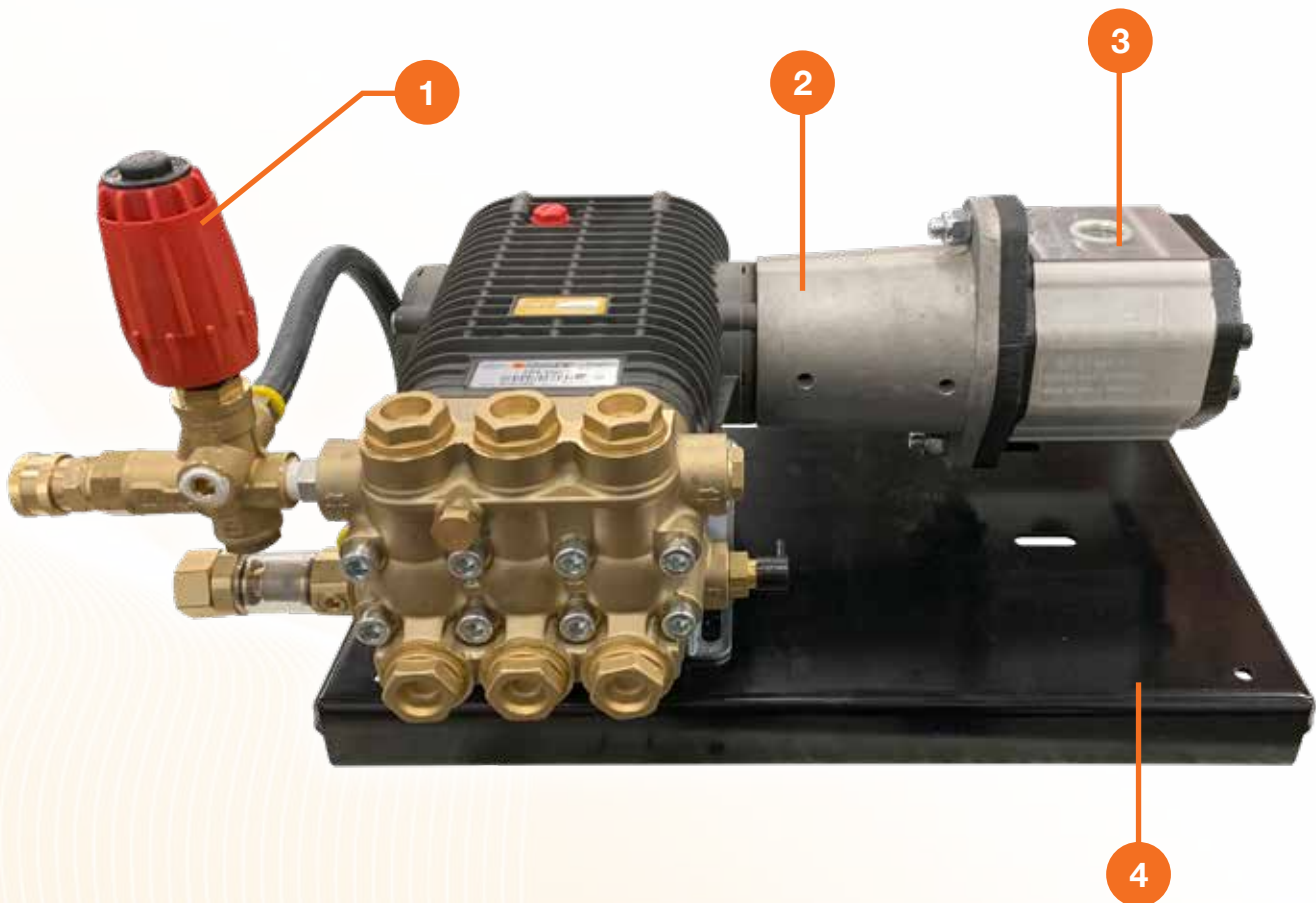
Hydraulic Pumps

Accessories

Resources

# Hydraulic Systems

Comet Pumps has extensive experience in designing and manufacturing complete hydraulically driven systems to meet the most challenging application demands. You provide the system specifications and Comet does the rest. From initial design to delivery, Comet Pumps will produce an industrial duty system to meet your application needs.



## POPULAR ACCESSORIES FOR COMET HYDRAULIC PUMPING SYSTEMS

- 1 Unloader
- 2 Love Joy coupling
- 3 Hydraulic motor
- 4 Base plate



# TWS Series



Part #	Model	Version	GPM	PSI	Diameter	RPM
6514.0100.20	TWS 5550	S	5.3	5000	1750	3400



# RW Series



Part #	Model	Version	GPM	PSI	Diameter	RPM
6517.1300.20	RW 5535	S	5.3	3500	1450	3400
6517.0900.01	RW 6030	S	6.2	3000	1450	3400

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

# Comet Accessories

Comet Pumps offers an expansive range of high performing quality accessories for use with our world-renowned pumps. Each accessory undergoes rigorous testing to ensure that they keep your pump operating smoothly.



Accessories

# Table of Contents

**62** ANTI-FREEZE, BURNER RINGS,  
ROTATING BRUSHES, CARTS,  
CLUTCH, O-RINGS

**63** COUPLERS

**66** FILTERS, FITTINGS

**68** FLEX COUPLER, FLOAT VALVES,  
FOAMER, GASKETS

**69** GAUGES, GEAR REDUCERS, GFCI

**70** GUNS, GUN EXTENSIONS,  
GUN LANCES

**75** HOSES

**75** HOSE REELS & INJECTORS

**78** LANCES, NOZZLES

**89** OIL, OIL CAPS, PACKING EXTRACTOR,  
PACKING INSERTION, PULSATION  
DAMPENER, PUMP RAIL KITS

**90** SAND BLASTERS, SURFACE  
CLEANERS

**91** SWITCHES

**92** SWIVELS, TAPE, TERMINATOR,  
THERMOSTAT

**93** THREAD LOCK, THROTTLE CONTROL,  
TRASH CAN CLEANER, UNLOADERS

**99** VALVES (SHUT-OFF, JETTER,  
PRESSURE REGULATING)

**101** VALVES (THERMAL RELIEF)

**102** WATER BROOMS, PRESSURE WASHERS

Axial  
(Electric)Axial  
(Gas)Triplex  
(Solid)Triplex  
(Electric)Triplex  
(Gas)Fully  
PlumbedHydraulic  
Pumps

Accessories

Resources

# Accessories

## ANTI-FREEZE - PUMP SAVER



Part #	Description
PK-85490046	Attaches to any pump inlet to fill pump chamber. 16oz.

## BRUSH - ROTATING



Part #	Bristles	Nozzle	PSI	Temp	Inlet
RBN-3000	Nylon	3 mm	580	140°	1/4" MNPT
8108.8300.00	Horse Hair	3 mm	580	140°	1/4" MNPT

## BURNER RINGS



Part #	Description	Size	Orifice
8102.0124.00	Cast Iron Burner Ring	44-52	52
8102.0126.00	Cast Iron Burner Ring	44-54	54
8102.0134.00	Cast Iron Burner Ring	44-62	62
8102.0135.00	Cast Iron Burner Ring	44-63	63
8102.0136.00	Cast Iron Burner Ring	44-64	64
8102.0137.00	Cast Iron Burner Ring	44-65	65
8102.0138.00	Cast Iron Burner Ring	44-66	66
8102.0141.00	Cast Iron Burner Ring	44-69	69
8102.0120.00	Cast Iron Burner Ring	32-69	69
8102.0189.00	Cast Iron Burner Ring	66-69	69
8102.0162.00	Cast Iron Burner Ring	88-69	69
8102.0100.00	Replacement Nozzle		

High Flow Design. Industry Standard Sizes. Improved Casting Design.

## CARTS - COMPONENTS



Part #	Description	Style
8102.0261.00	Rubber Foot & Hardware for 8102.0201.00, 8102.0202.60 & 8102.0203.00	A
8102.0264.00	Nickel Plated Axle Cap, 3/4"	B
8102.0260.00	Grommet, Spray Tip Holder	C
8102.0202.01	Knuckle & Bolt for 8102.0202.60	D
TWA-13X5-6	13" x 5-6 Tire Assembly	
TWA-15X600-6	15" x 600-6-3/4 Tire Assembly	
TWA410/350-4	4 5/8" 410/350 Pneumatic Tire Assy	
TWA410/350-4-PU	4" 410/350, Polyurethane Filled Tire Assy	
33-103939	Bearing, 3/4" HD, TWA Wheels	

## CARTS - CART COMPONENTS



Part #	Description	Style
7600.0275.00	4" Pulley	A
7600.0272.00	1" Bushing	B
7600.0271.00	24 mm Bushing	C
7600.0276.00	9" Pulley	D
8102.0274.00	40" Belt B-Style	E
8102.0275.00	Pulley & Belt Assembly Kit	*

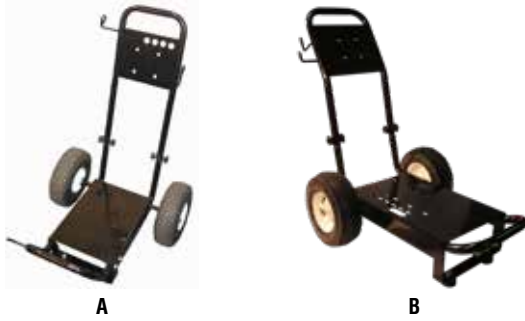
\* Includes All of the Above, 2 Belts, 2 Bolts.

## CLUTCH



Part #	Description	Volts	Amps	Torque	Style
8201.0014.00	7" Pulley Clutch, Single Groove	12	3.9	75 Ft-Lb	
8201.0007.00	7" Pulley Clutch, Double Groove	12	3.9	75 Ft-Lb	
8201.0009.00	Clutch, Double Groove with 3/4" Industrial Duty Nylon Bearing	24	3.9	75 Ft-Lb	
7600.0100.00	Plate, 2.5" Diameter. For FW2, RW, SW & TW Series Pumps				A
7600.0101.00	Plate, 1.5" Diameter. For LW & ZW Series Pumps				B

**CARTS - PRESSURE WASHERS**



Part #	Tire Style	Axle Size	Cart Material	Engine Size
8402.1301.00	10" Pneumatic (A)	3/4"	Powder Coated Steel	Up to 6.5 HP
8402.1302.00	13" Pneumatic (B)	3/4"	Powder Coated Steel	11-20 HP

**FLEX COUPLER - LOVE JOY**



- Up to 35 E.B.H.
- Direct Drive
- Close Couple
- Electric & Gas

Part #	Description
8201.0002.00	Love Joy Coupler, 24mm (Jaw)
8201.0003.00	Love Joy Coupler, 1" (Jaw)
8201.0004.00	Love Joy Coupler, 1-1/8" (Jaw)
8201.0005.00	Love Joy Coupler, 1-3/8" (Jaw)

**Up to 35 E.B.H.P. • Direct Drive • Close Couple • Electric & Gas**

**COUPLERS - QC PLUGS**



Part #	Description	PSI	Inlet	Material
8102.0350.00	QC Plug	5000	1/4" FNPT	Brass
8102.0351.00	QC Plug	5000	1/4" MNPT	Brass
8102.0352.00	QC Plug	4000	3/8" FNPT	Brass
8102.0353.00	QC Plug	4000	3/8" MNPT	Brass
8102.0363.00	QC Plug	4000	1/2" FNPT	Brass
8102.0362.00	QC Plug	4000	1/2" MNPT	Brass
8102.0320.00	QC Plug	5000	1/4" FNPT	ST-N2 Steel
8102.0321.00	QC Plug	5000	1/4" MNPT	ST-N2 Steel
8102.0322.00	QC Plug	4000	3/8" FNPT	ST-N2 Steel
8102.0323.00	QC Plug	4000	3/8" MNPT	ST-N2 Steel
8102.0355.00	QC Plug	4000	1/2" FNPT	ST-N2 Steel
8102.0354.00	QC Plug	4000	1/2" MNPT	ST-N2 Steel
8102.0324.00	QC Plug	5000	1/4" FNPT	Hardened Steel
8102.0325.00	QC Plug	5000	1/4" MNPT	Hardened Steel
8102.0326.00	QC Plug	4000	3/8" FNPT	Hardened Steel
8102.0327.00	QC Plug	4000	3/8" MNPT	Hardened Steel
8102.0328.00	QC Plug	5000	1/4" FNPT	Stainless Steel
8102.0329.00	QC Plug	5000	1/4" MNPT	Stainless Steel
8102.0330.00	QC Plug	5000	3/8" FNPT	Stainless Steel
8102.0331.00	QC Plug	5000	3/8" MNPT	Stainless Steel
QC-318MSS	QC Coupler Plug	5000	1/2" MNPT	Stainless Steel
QC-318SS	QC Coupler Plug	5000	1/2" FNPT	Stainless Steel

**Industrial Grade Steel. Precision Machined Parts.**

**COUPLERS - INSULATED**



Part #	Description	GPM	PSI	Temp	Inlet
8402.1301.00	Insulated Coupler	10.0	5000	212°	1/4" FNPT
8402.1302.00	Insulated Coupler	10.0	5000	212°	1/4" MNPT
8402.1303.00	Insulated Coupler	10.0	5000	212°	3/8" FNPT
8402.1304.00	Insulated Coupler	10.0	5000	212°	3/8" MNPT

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

## COUPLERS - QC SOCKETS



Part #	Description	PSI	Inlet	Material
8102.0301.00	QC Socket	5000	1/4" FNPT	Brass
8102.0303.00	QC Socket	5000	1/4" MNPT	Brass
8102.0302.00	QC Socket	4000	3/8" FNPT	Brass
8102.0304.00	QC Socket	4000	3/8" MNPT	Brass
8102.0357.00	QC Socket	4000	1/2" FNPT	Brass
8102.0356.00	QC Socket	4000	1/2" MNPT	Brass
8102.0309.00	QC Socket	4000	1/4" FNPT	Stainless Steel
8102.0311.00	QC Socket	4000	1/4" MNPT	Stainless Steel
8102.0310.00	QC Socket	4000	3/8" FNPT	Stainless Steel
8102.0312.00	QC Socket	4000	3/8" MNPT	Stainless Steel
QC-308MSS	QC Coupler Body	4000	1/2" MNPT	Stainless Steel
QC-308SS	QC Coupler Body	4000	1/2" FNPT	Stainless Steel

Ball Bearing Snap Connection. Precision Machined Parts. Click Lock Design.

## COUPLERS - REPLACEMENT O-RINGS



Part #	Description	Material	Size
8102.0301.01	O-Ring for 1/4" Couplers	EPDM	1/4"
8102.0301.02	O-Ring for 1/4" Couplers	Viton	1/4"
8102.0302.01	O-Ring for 3/8" Couplers	EPDM	3/8"
8102.0302.02	O-Ring for 3/8" Couplers	Viton	3/8"
8102.0356.01	O-Ring for 1/2" Couplers	EPDM	1/2"

## COUPLERS - TWIST CONNECT, 1/2" MVG



Part #	Description	GPM	PSI	Temp	Inlet
8108.9156.00	1/2" Coupling Body	10.6	4060	300°	G 1/4" F
8108.7039.00	1/2" Coupling Body	10.6	4060	300°	G 1/2" F
8108.9124.00	1/2" Coupling Body	10.6	4060	300°	G 1/4" M



Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**COUPLERS - TWIST CONNECT & QC**



Part #	Description	PSI	Inlet	Outlet
8402.1305.00	Twist Connect x QC Coupler	4000	M22 F	3/8" QC
8102.8518.00	QC Socket x M22	4000	3/8" QC Socket	M22 M
8102.8519.00	QC Plug x M22	4000	3/8" QC Plug	M22 F

Secure Twist Connection. Click Lock Design.

**COUPLERS - TWIST CONNECT, M22**



Part #	Description	PSI	GPM	Temp	Inlet	Outlet
8108.9125.00	Body	3600	8.0	302°	1/4" FNPT	M22 F
8108.7004.00	Body	3600	8.0	302°	3/8" FNPT	M22 F
8108.8301.00	Body	3600	8.0	302°	3/8" MNPT	M22 F
8108.8301.00	Plug	4060	10.6	302°	1/4" FNPT	M22 M
8108.7006.00	Plug	4060	10.6	302°	3/8" FNPT	M22 M
8108.7007.00	Plug	4060	10.6	302°	3/8" MNPT	M22 M

**COUPLERS - TWIST CONNECT, M22**



Part #	Description	Type	PSI	GPM	Inlet	Outlet	Material
8102.6000.00	Twist Connect Body	A	4000	10.0	1/4" FNPT	M22 F	Brass
8102.6020.00	Twist Connect Body	B	4000	10.0	1/4" MNPT	M22 F	Brass
8102.6001.00	Twist Connect Body	C	4000	10.0	3/8" FNPT	M22 F	Zinc
8102.8521.00	Twist Connect Body	D	4000	10.0	3/8" MNPT	M22 F	Brass
8102.6002.00	Twist Connect Plug	E	4000	10.0	1/4" FNPT	M22 M	Brass
8102.6004.00	Twist Connect Plug	F	4000	10.0	1/4" MNPT	M22 M	Brass
8102.6003.00	Twist Connect Plug	G	4000	10.0	3/8" FNPT	M22 M	Brass
8102.6005.00	Twist Connect Plug	H	4000	10.0	3/8" MNPT	M22 M	Brass
8102.6000.01	Twist Connect O-Ring						

Secure Twist Connection. Precision Machined.

## COUPLING - QUICK BALL COUPLING



Part #	Description	GPM	PSI	Temp	Inlet
8108.8304.00	Coupler	12.0	3600	300°	G 1/4" M
8108.8310.00	Stainless Steel Coupler with Viton O-Ring	12.0	3600	300°	G 1/4" M
8402.1677.00	Plug	12.0	3600	300°	G 1/4" F

## FILTERS - INLET



Part #	Description	GPM	PSI	Temp	Inlet	Outlet	Mesh	Material
8108.8006.00	Inline Filter	40.0	290	60°	G 1" F	G 1" F	80	Polypropylene
8108.8007.00	Inline Filter	40.0	290	60°	G 1" F	G 1" F	100	Polypropylene
8108.8033.00	Inline Filter	40.0	290	60°	1" FNPT	1" FNPT	50	Polypropylene

## FILTER - CANNISTER



Part #	Description	PSI	Inlet	Outlet	Filter Type	Material
8402.0430.00	Filter Housing	1/4	1" FNPT	1" FNPT	9 3/4"	Poly Carbonate

## FILTERS - HIGH PRESSURE



Part #	Description	GPM	PSI	Temp	Inlet	Outlet	Mesh	Material
8402.0335.00	Filter	10.5	5000	194°	1/4" FNPT	1/4" FNPT	80	SST w/Brass Insert
8402.0334.00	Filter	10.5	5000	194°	1/4" QC	1/4" MNPT	80	SST w/Brass Insert
8402.0334.01	High Pressure Filter Screen							

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**FITTINGS - MISC.**



**A**



**B**



**C**



**D**



**E**



**F**



**G**

Part #	Style	Type	Inlet	Outlet	Material
8102.0504.00	A	Street L	3/8" MNPT	3/8" FNPT	Brass
8102.0502.00	B	Tee	3/8" FNPT	3/8" FNPT x 2	Brass
8102.6016.00	C	Nipple	3/8" MNPT	1/4" MNPT	Brass
8102.0505.00	C	Nipple	3/8" MNPT	3/8" MNPT	Brass
8102.6011.00	C	Nipple	1/2" MNPT	1/2" MNPT	Brass
8102.6006.00	C	Nipple	M22 M	M22 M	Brass
8102.0520.00	D	Bushing	3/8" MNPT	1/4" FNPT	Brass
8102.0521.00	C	Nipple	3/8" MNPT	3/8" MNPT	Steel
8102.0506.00	D	Bushing	1/2" MNPT	3/8" FNPT	Brass
8102.0519.00	D	Bushing	3/4" MNPT	1/2" FNPT	Brass
8102.0507.00	G	Hose Barb	3/8" HB	1/4" MNPT	Brass
8102.0508.00	G	Hose Barb	3/8" HB	3/8" MNPT	Brass
8102.0517.00	G	Hose Barb	1/2" HB	3/8" MNPT	Brass
8102.0518.00	G	Hose Barb	1/2" HB	1/2" MNPT	Brass
8102.6022.00		Plug	3/4"		Brass
8102.0531.00	E	Adaptor	1/4" MBSPP	3/8" FNPT	Brass
8102.0532.00	D	Adaptor	1/4" FBSPP	3/8" MNPT	Brass
8102.0533.00	E	Adaptor	1/4" MBSPP		Brass

**FITTINGS - GARDEN HOSE**



**A**



**B**



**C**



**D**



**E**



**F**



**G**

Part #	Style	PSI	GPM	Inlet	Outlet	Temp	Material
8105.0600.000	A	360	10.5	3/8" MNPT	FGH	176°	Brass
8105.0601.00	A	360	10.5	1/2" MNPT	FGH	176°	Brass
8105.0501.00	B	360	10.5	3/8" MNPT	FGH	176°	Brass
8105.0500.00	B	360	10.5	1/2" MNPT	FGH	176°	Brass
8105.0502.00	C	360	10.5	1/2" FNPT	FGH	176°	Brass
10373	D (Filter Washer)						
8102.0335.00	E	360	10.5	1/2" QC Plug	MGH	176°	Brass
8102.0336.00	F	360	10.5	1/2" QC Coupler	FGH	176°	Brass
8102.0337.00	Garden Hose QC Set		360	10.5		176°	Brass
W406V	G (Washer)						

## FLEX COUPLER - LOVE JOY



Old Part #	NEW PART #	Description
1009.0273.00	<b>00022-00100</b>	Up to 35 EBHP. Direct Drive. Close Couple. Electric & Gas. Bell Housing, NEMA 184-213-215.

## FLOAT TANK



Part #	Description	Capacity	Mount	Temp
8108.8035.00*	Tank with Inlet, Bulkhead, & Lid	0.8 Gallon	Panel	140°

\*Minimum Order Quantity Applies, Call for Details.

## FLOAT VALVES



Part #	Description	Style	Inlet	PSI	Temp	Material
8107.2602.00	Float Valve	A	3/4" MNPT	105	140°	Brass
8107.2601.00	Float Valve	B	3/4" MNPT	145	140°	Plastic

## FOAMERS - PROFESSIONAL



Part #	Model	Description	Style	PSI	GPM	Inlet	Temp
8108.2611.00	FL 803	Foamer, .26 Gallon Tank	A	2900	5.3	1/4" FNPT	140°
8108.2611.01		Filter					
8116.2609.00	LS	Foamer .5 Gallon Tank	B	3200	6.5	3/8" MNPT	150°

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## GAUGES - PRESSURE



Part #	Description	Style	PSI	Mount	Inlet	Dial Size	Scale
8102.0340.00	QC Gauge Kit. 3/8" QC Socket, SST Collar, 1/4" Gauge Port, 3/8" Brass Plug	A	4000	Bottom	QC	2.5"	Dual
8102.0332.00	QC Gauge Fitting						
2241GXB1500	Glycerin Filled Stainless Steel Gauge	B	1500	Back	1/4" MNPT	2.5"	Single
2241GXB2000	Glycerin Filled Stainless Steel Gauge	B	2000	Back	1/4" MNPT	2.5"	Single
8106.0613.00	Comet Logo Gauge	B	3000	Bottom	1/4" MNPT	2.5"	
8106.0614.00	Comet Logo Gauge	B	4000	Bottom	1/4" MNPT	2.5"	
2141GXB5000	Glycerin Filled Stainless Steel Gauge	B	5000	Bottom	1/4" MNPT	2.5"	Single
2241GXB5000	Glycerin Filled Stainless Steel Gauge	B	5000	Back	1/4" MNPT	2.5"	Single
PK-QCG-5000	Clamshelled Gauge Kit	B	5000	Bottom	QC	2.5"	
8106.0615.00	Comet Logo Gauge	B	6000	Bottom	1/4" MNPT	2.5"	
2241GXB6000	Glycerin Filled Stainless Steel Gauge	B	6000	Back	1/4" MNPT	2.5"	Single
2241GXB10000	Glycerin Filled Stainless Steel Gauge	B	10000	Bottom	1/4" MNPT	2.5"	Single
2440-UC	Universal Gauge Clamp						

## GEAR REDUCERS - GAS ENGINE



Part #	NEW PART #	Description	Style	Gear Ratio	Drive Shaft	HP
5005.0207.00	<b>10001-04657</b>	24mm (.9449"), Helical Cut Gears, Oil Ring Seal	A	2.2:1	1"	9-20
5005.0209.00	<b>10001-10479</b>	24mm (.9449"), Helical Cut Gears, Oil Ring Seal	A	2.2:1	1 1/8"	9-20
5005.0236.00	<b>10001-04673</b>	24mm (.9449"), Helical Cut Gears, Oil Ring Seal	A	2.2:1	1"	25
5005.0237.00	<b>10001-04674</b>	24mm (.9449"), Helical Cut Gears, Oil Ring Seal	A	2.2:1	1 1/8"	25
8116.0200.00		24mm (.9449")	C	2.176:1	1 1/8"	18-24
8116.0206.00		24mm (.9449")	C	2.176:1	1 1/8"	24-31
8116.0201.00		24mm (.9449")	C	2.176:1	1"	18-24
8116.0204.00*		24mm (.9449")	B	2.176:1	1"	11-18
8116.0205.00		30mm (1.181")	C	2.176:1	1 1/8"	24-31
8116.0200.01		Spacer for 8116.0200.00 (4 each)				

\* Honda Approved.

## GFCI



Part #	Description
3038.0006.00	UL, CSA 120V/15A. Accepts SJTW Cord

## GUNS - HORIZONTAL


**Horizontal**

**Linear 3**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet
8102.1606.00	Horizontal	5000	10.5	210°	3/8" FNPT	1/4" FNPT
8116.1615.00	Linear 3	5000	10.5	320°	3/8" FNPT	1/4" FNPT

## GUNS - FRONT ENTRY


**ML 320**

**7027**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.8632.00	ML 320	2600	6.6	320°	1/4" M	G 1/4" F	8108.8632.01
8108.8633.00	ML 320	2600	6.6	320°	3/8" FNPT	G 1/4" F	8108.8632.01
SG-727*	7027	3200	10.0	210°	3/8" FNPT	1/4" FNPT	SG-727K

\* Brass Valve Body

## GUNS - RL 57



## GUNS - JOLLY 25



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Material	Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Material
8116.1616.00	RL 57	8100	7.5	320°	G 3/8" F	1/4" FNPT	303 SST	8108.7210.00*	Jolly 25	362 / 217^	8.0	125°	G 1/2" F	G 1/2" M	316 SST
								8108.7211.00+	Jolly 25	362 / 217^	8.0	125°	G 1/2" F	G 1/2" M	316 SST
								8108.7213.00+	Jolly 25	362 / 217^	8.0	125°	G 1/2" F	G 1/2" M	316 SST

\* EPDM O-Ring, Blue.

+ Viton O-Ring, Red.

^ 362 PSI with Metal Nozzle, 217 with Plastic Nozzle, Sold Separately.

## GUNS - MV SERIES


**MV 2008**

**MV 2006**

**MV 2009**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.9039.00^	MV 2008	3200	7.0	140°	M22M	M22F	
8108.8600.00	MV 2006	3700	8.0	320°	3/8" FNPT	G 1/4" F	8108.8601.01*
8108.7603.00	MV 2009	4000	8.0	212°	3/8" FNPT	M22F	
8108.7604.00	MV 2009	4000	8.0	212°	M22M	M22F	

\* Repair Kit Sold in Box of 10.

^ Front Entry.

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**GUNS - 850X KIT, RL 56 & ML 960**



**PK-SG-850X**  
Gun & 36" Lance Kit



**RL 56**



**ML 960**  
Ceramic Ball

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
PK-SG-850X*	850X Kit	4000	8.0	210°	3/8" QC Plug	1/4" QC Socket	
8116.1612.00+	RL 56	5650	8.0	320°	3/8" FNPT	1/4" FNPT	
8108.8631.00^	ML 960	8000	8.0	320°	G 3/8" F	G 1/4" F	8108.8631.01

\* Holds 4 Additional Nozzles. Includes Side Grip Handle. Comes in clamshell packaging.

+ Compensated.

^ Stainless Steel. Soft Touch Rubber Grip. Ceramic Ball

**GUNS - MV 925 SERIES**



**MV 925**



**MV 925 M22**



**MV 925 Free Flow**



**MV 925 Gun Lance**



**MV 925 Gun Lance**



**MV 925 & MV70**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.8617.00	MV 925 NPT	4500	8.0	320°	3/8" FNPT	1/4" FNPT	8108.8617.01
8108.8624.00	MV 925	4500	8.0	320°	3/8" FNPT	G 1/4" F	8108.8617.01
8108.8618.00	MV 925 Swivel	4500	8.0	320°	3/8" FNPT*	1/4" FNPT	8108.8617.01
8108.8619.00	MV 925 HD Swivel	4500	8.0	320°	3/8" FNPT*	1/4" FNPT	8108.8617.01
8108.8620.00	MV 925 Weep NPT	4500	8.0	320°	3/8" FNPT	1/4" FNPT	8108.8620.01
8180.8628.00	MV 925 M22	4500	8.0	320°	M22 x 1.5 M	M22 x 1.5 M	8108.8617.01
8108.8622.00	MV 925 Free Flow	4500	8.0	320°	G 3/8" FNPT	G 1/4" F	8108.8622.01
8108.7654.00	MV 925 Gun Lance	4500	8.0	320°	3/4" FNPT	G 1/4" F	8108.8617.01
8108.7649.00	MV 925 & MV 70	4500	8.0	320°	3/8" FNPT	M22 F	8108.8617.01

\* Swivel Inlet

**GUNS - 10.5 GPM MAX**



**920V**



**RL 30**



**Gun & Lance**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet
PK-SG-920V	920V	4000	10.5	210°	3/8" FNPT	1/4" FNPT
8116.1600.00	RL 30	5000	10.5	320°	3/8" FNPT	1/4" FNPT
8116.1614.00	RL 30 Ceramic Ball	5000	10.5	320°	3/8" FNPT	1/4" FNPT
8102.1640.00*	Gun & Lance	4000	10.5	300	3/8" FNPT	22mm

\* Brass Valve Body

## GUNS - ML 955 SERIES


**ML 955**

**ML 955  
Ceramic**

**ML 955  
Swivel Inlet**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Inlet Pipe
8108.8629.00*	ML 955	5800	10.6	320°	3/8" FNPT	1/4" FNPT	Stainless Steel
8108.8637.00*	ML 955 Ceramic	5800	10.6	320°	3/8" FNPT	G 1/4" F	Stainless Steel
8108.8636.00+	ML 955 Swivel	5800	10.6	320°	3/8" FNPT	G 1/4" F	

\* Soft Touch Rubber Grip.

+ Soft Touch Rubber Grip and Swivel Inlet.

## GUNS - ML 951 SERIES


**ML 951**

**ML 951  
Free Flow**

**ML 951  
Weep**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Trigger Lock
8108.1611.00	MV 951	5075	10.6	302° F	3/8" FNPT	G 1/4" F	Red
8108.1612.00*	MV 951 Free Flow	5075	10.6	302° F	3/8" FNPT	G 1/4" F	N/A
8108.8611.00	MV 951 Weep	5075	10.6	302° F	G 3/8" F	G 1/4" F	Blue
8108.8612.00+	MV 951 Weep	5075	10.6	302° F	G 3/8" F	G 1/4" F	Green

\* Triggerless Spray Gun.

+ Low Pressure Weep Spray Gun.

## GUNS - AL 55 SERIES


**AL 55  
Vari Spray**

**AL 55**

Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet
8108.7650.00*	AL 55 & LM 25	3625	12.0	194°	G 3/8" F	M15F
SG-3000-1.2	#1.2 Flat Spray Nozzle					M15M
SG-3000-1.8	#1.8 Flat Spray Nozzle					M15M
SG-3000-2.5	#2.5 Flat Spray Nozzle					M15M
SG-3000-3.0	#3.0 Flat Spray Nozzle					M15M
SG-3000-3.5	#3.5 Flat Spray Nozzle					M15M
SG-3000-5.5	#5.5 Flat Spray Nozzle					M15M
SG-3000-7.0	#7.0 Flat Spray Nozzle					M15M
8108.8623.00+	AI 55	5075	12.0	320°	3/8" FNPT	1/4" FNPT

\* Vari Spray Gun & Lance. Stainless Steel AISI 304. Nozzles Sold Separately.

+ Easy Pull Gun.



Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**GUN - SOFT WASH**



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.7212.00	Soft Wash	217	13.2	125°	1/2" FNPT	1/4" F QC	8108.7212.01

**GUN - RL 51**



**GUN - RB 65**



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit	Part #	Model	Max PSI	Max GPM	Max Temp	Inlet
8116.1613.00	RL 51	4050	13.2	320°	3/8" FNPT	1/4" FNPT	8116.1613.02	8116.1627.00	RB 65	350	16.0	195°	1/2" FBSPP

**GUN - ML 510 & EXTENSIONS**



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.8626.00	ML 510	8100	16.0	250°	G 1/2" F	G 1/2" F	8108.7605.01
8108.7102.00	13" Shoulder Support						
8108.8625.01	32.0" Extension		8100	53	104°	1/2" MNPT	1/4" FNPT
8108.8625.02	48.0" Extension		8100	53	104°	1/2" MNPT	1/4" FNPT

**GUN - ML 710 & EXTENSIONS**



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.7605.00	ML 710	10,150	16.0	250°	3/8" F	3/8" F	8108.7625.01
8108.7102.00	13" Shoulder Support						
8108.7270.00	32.0" Extension		10,150	16.0	320°	3/8" M	1/4" FNPT
8108.7271.00	48.0" Extension		10,150	16.0	320°	3/8" M	1/4" FNPT

## GUN - RL 84 & EXTENSIONS



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8116.1608.00	RL 84	8100	21.0	210°	G 1/2" F	G 1/2" F	8116.1608.01
8116.1608.10*	15.7" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	
8116.1603.10*	31.5" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	
8116.1608.20*	50.0" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	

\* Stainless Steel AISI 304.

## GUN - RL 124 & EXTENSIONS



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8116.1609.00	RL 124	1950	32.0	210°	G 1/2" F	G 1/2" F	8116.1609.01
8116.1601.10	31.5" Extension	1950	32.0	109°	G 1/2" M	1/4" FNPT	

## GUN - ML 210 & EXTENSIONS



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8108.8625.00	ML 210	3200	53.0	250°	G 3/4" F	G 1/2" F	8108.8625.03
8108.7102.00	13" Shoulder Support						
8108.8625.01	32.0" Extension	8100	53.0	104°	G 1/2" M	1/4" FNPT	
8108.8625.02	48.0" Extension	8100	53.0	104°	G 1/2" M	1/4" FNPT	

## GUN - RL 204 & EXTENSIONS



Part #	Model	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Repair Kit
8116.1607.00	RL 204	3200	53.0	210°	G 3/4" F	G 1/2" F	8116.1602.01
8116.1608.10*	15.7" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	
8116.1603.10*	31.5" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	
8116.1608.20*	50.0" Extension	8100	53.0	109°	G 1/2" M	1/4" FNPT	

\* Stainless Steel AISI 304.

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**HOSE ASSEMBLIES - 4000 PSI**



Part #	Description	PSI	Temp	Inlet	Outlet	Length	Type
8115.0840.00	Black Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	25'	Single Wire
50W1-H-BLK	Black Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	50'	Single Wire
100W1-H-BLK	Black Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	100'	Single Wire
8115.0846.00	Non-Marking Gray Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	25'	Single Wire
8115.0847.00	Non-Marking Gray Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	50'	Single Wire
8115.0848.00	Non-Marking Gray Pressure Washer Hose	4000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	100'	Single Wire

**Bend Restrictor on Both Ends. Intermittent Temperature May Reach 275°.**

**HOSE ASSEMBLIES - 6000 PSI**



Part #	Description	PSI	Temp	Inlet	Outlet	Length	Type
8115.0854.00	Black Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	25'	Double Wire
50W2-H-BLK-6000	Black Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	50'	Double Wire
8115.0857.00	Black Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	100'	Double Wire
8115.0858.00	Non-Marking Gray Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	25'	Double Wire
8115.0859.00	Non-Marking Gray Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	50'	Double Wire
8115.0860.00	Non-Marking Gray Pressure Washer Hose	6000	250°	3/8" MNPT Solid	3/8" MNPT Swivel	100'	Double Wire

**Bend Restrictor on Both Ends. Intermittent Temperature May Reach 275°.**

**HOSE ASSEMBLIES - 8000 PSI**



Part #	Description	PSI	Temp	Inlet	Outlet	Length	Type
8115.0001.00	Non-Marking Gray Pressure Washer Hose	8000	250°	3/8" MNPT Solid	3/8" MNPT Solid	50'	Double Wire
8115.0003.00	Non-Marking Gray Pressure Washer Hose	8000	250°	3/8" MNPT Solid	3/8" MNPT Solid	100'	Double Wire
8115.0004.00	Non-Marking Gray Pressure Washer Hose	8000	250°	3/8" MNPT Solid	3/8" MNPT Solid	200'	Double Wire

**Bend Restrictor on Both Ends.**

## HOSE ASSEMBLIES - 10000 PSI



Part #	Description	PSI	Temp	Inlet	Outlet	Length	Type
8115.0008.00	Non-Marking Gray Pressure Washer Hose	10000	250°	3/8" M Solid	3/8" M Swivel	25'	Double Wire
8115.0011.00	Non-Marking Gray Pressure Washer Hose	10000	250°	1/2" M Solid	1/2" M Swivel	50'	Double Wire
8115.0013.00	Non-Marking Gray Pressure Washer Hose	10000	250°	1/2" M Solid	1/2" M Swivel	100'	Double Wire
8115.0300.00	Stainless Steel Coupler Set	10000		3/8"			
8115.0301.00	Stainless Steel Coupler Set	10000		1/2"			

**Bend Restrictor on Both Ends.**

## HOSE REELS - BLACK



HR-75



HR-100



HR-200

Part #	Description	PSI	Temp	Hose Capacity	Hose Diameter
HR-75	Steel Hose Reel with Lock, Bolt Mounted	4000	160°	75'	3/8"
HR-100	Steel Hose Reel with Lock, Bolt Mounted	4000	160°	100'	3/8"
HR-200	Steel Hose Reel with Lock, Bolt Mounted	4000	160°	200'	3/8"

## HOSE REEL - SWIVEL



Part #	Description	PSI	Temp	Inlet	Outlet	Repair Kit
HR-100S	90° Hose Reel Swivel	4000	160°	3/8" FNPT	3/8" MNPT	8112.0804.01

**For Hose Reel HR-100 & 8102.0802.00**

## INJECTORS - DOWNSTREAM, ADJUSTABLE



Part #	Description	PSI	GPM	Temp	Inlet	Outlet	Size	Type
8402.2122.00	Injector	3500	2-3	212°	3/8" MNPT	3/8" MNPT	1.8 mm	Adjustable
8402.2123.00	Injector	3500	3-5	212°	3/8" MNPT	3/8" MNPT	2.1 mm	Adjustable
8402.2124.00	Injector	3500	5-8	212°	3/8" MNPT	3/8" MNPT	2.3 mm	Adjustable

**Adjustable Chemical Injection. Stainless Steel Insert.**

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**INJECTORS - DOWNSTREAM, MV & MVR SERIES**



Part #	Model	PSI	GPM	Temp	Inlet	Outlet	Size	Type
8108.2102.00	MV400	4500	2.1-3.2	200°	3/8" MNPT	3/8" MNPT	1.8 mm	Fixed
8108.2103.00	MV400	4500	2.6-4.2	200°	3/8" MNPT	3/8" MNPT	2.1 mm	Fixed
8108.2104.00	MV400	4500	3.7-5.6	200°	3/8" MNPT	3/8" MNPT	2.3 mm	Fixed
8108.2108.00	MV410	4500	3.7-5.6	200°	3/8" FNPT	3/8" MNPT	2.3 mm	Fixed
8108.9064.00	MV420	4500	2.6-4.2	200°	3/8" MNPT	3/8" FNPT	2.1 mm	Fixed
8108.2122.00	MVR400	4500	2.1-3.2	200°	3/8" MNPT	3/8" MNPT	1.8 mm	Adjustable
8108.2123.00	MVR400	4500	2.6-4.2	200°	3/8" MNPT	3/8" MNPT	2.1 mm	Adjustable
8108.2126.00	MVR410	4500	2.1-3.2	200°	3/8" FNPT	3/8" MNPT	1.8 mm	Adjustable
8108.2127.00	MVR410	4500	2.6-4.2	200°	3/8" FNPT	3/8" MNPT	2.1 mm	Adjustable
8108.2128.00	MVR410	4500	3.7-5.6	200°	3/8" FNPT	3/8" MNPT	2.3 mm	Adjustable

**Brass Insert.**

**INJECTORS - DOWNSTREAM, MVR HOSE BARB SERIES**



Part #	Model	PSI	GPM	Temp	Inlet	Outlet	Size	Type
8108.8200.00	MVR410	4500	3-5	200°	3/8" FNPT	3/8" MNPT	2.1 mm	Adjustable
8108.8004.00	MVR400	4500	3-5	200°	3/8" MNPT	3/8" MNPT	2.1 mm	Adjustable

**Brass Insert.**

**INJECTORS - TWIST CONNECT, MVR SERIES**



Part #	Model	PSI	GPM	Temp	Inlet	Outlet	Size	Type
8108.2151.00	MVR360	4500	2.6-4.2	200°	M22	ARF 2P	2.1 mm	Adjustable
8108.2153.00	MVR360	4500	5-8	200°	M22	ARF 2P	2.3 mm	Adjustable

**Rated Flow 8.0 GPM.**

## INJECTORS - QUICK CONNECT



### GUIDE FOR NOZZLE SELECTION

NOZZLE		RECOMMENDED FLOW	
MM	Inch	lpm	GPM
1.6	.06	5-8	1.3-2.1
1.8	.07	8-12	2.1-3.2
2.1	.08	10-15	2.6-4.0
2.3	.09	12-18	3.2-4.8

Part #	Description	PSI	GPM	Temp	Inlet	Outlet	Size	Type
8402.2101.00	Brass injector	3500	2-3	212°	3/8" QC Plug	3/8" QC Coupler	1.8 mm	Adjustable
8402.2101.00	Brass injector	3500	3-5	212°	3/8" QC Plug	3/8" QC Coupler	2.1 mm	Adjustable
8402.2103.00	Brass injector	3500	5-8	212°	3/8" QC Plug	3/8" QC Coupler	2.3 mm	Adjustable

## LANCES - EXTENSIONS



**Idro-Jet**



**Flex**



**Gutter**

Part #	Type	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8108.7252.00	Idro-Jet, Blue Dot	3200	16.3"	8.0	300°	M22 M	Hi-Lo	Chrome Plated
8108.7253.00	Idro-Jet, No Dot	3200	23.6"	8.0	300°	M22 M	Hi-Lo	Chrome Plated
8102.1900.00	Flex, Black	2250	18.0"	10.0	194°	1/4" MNPT	1/4" MNPT	Chrome Plated
8102.1901.00	Flex, Black	2250	18.0"	10.0	194°	1/4" MNPT	1/8" FNPT	Chrome Plated
PK-13000002	Flex, Blue	2250	18.0"	10.0	194°	1/4" MNPT	1/4" FNPT	Chrome Plated
8102.1653.00	Gutter Cleaner	3000	7.0"			1/4" QC Plug	1/4" QC Socket	Chrome Plated
8102.1653.00	Gutter Cleaner	3000	29.0"			M22 M	1/4" QC Socket	Chrome Plated

## LANCES - TELESCOPING



Part #	Type	PSI	Length	Max GPM	Max Temp
PK-85206012*	Heavy Duty Fiberglass Pole	4000	12'	8.0	200°
PK-85206018*	Heavy Duty Fiberglass Pole	4000	18'	8.0	200°
PK-85206424L+	Heavy Duty Fiberglass Pole	4000	24'	8.0	200°
PK-85400019^	Support Belt, Black				
8102.1050.00^	Gun, Glue-On, Old Style				
8102.1001.04^	Pole Lock, Small				
8102.1001.10^	Twist Connect Fitting				

\* Saves Shipping Cost for 2 or More.

+ Saves Shipping Cost for 2 or More. 4-Stage Lever Lock Style.

^ Other Parts Available Upon Request.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**LANCES - NON-MOLDED, ZINC**



Part #	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8402.1210.00	4000	12"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8402.1211.00	4000	18"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8402.1212.00	4000	24"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8402.1213.00	4000	36"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8402.1214.00	4000	48"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8402.1216.00	4000	59"	10.5	300°	1/4" MNPT	1/4" MNPT	Zinc Plated, Seamless
8108.1210.00	5075	13"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1211.00	5075	18"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1212.00	5075	24"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1213.00	5075	36"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1214.00	5075	48"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1216.00	5075	59"	12.0	320°	1/4" MNPT	1/4" MNPT	Zinc Plated

**LANCES - NON-MOLDED, ALUMINUM**



Part #	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
ALW-18	4000	18"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1222.00	4000	24"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1223.00	4000	36"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1224.00	4000	48"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1225.00	4000	59"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1226.00	4000	79"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1227.00	4000	84"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8107.1228.00	4000	96"	11.0	300°	1/4" MNPT	1/4" MNPT	Aluminum
8108.1303.00	4000	36"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1304.00	4000	48"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1305.00	4000	60"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1306.00	4000	72"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1307.00	4000	84"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1308.00	4000	96"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1309.00	4000	108"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum
8108.1310.00	4000	120"	12.0	300°	1/2" MNPT	1/2" MNPT	Aluminum

## LANCES - MOLDED GRIP



Part #	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8402.1200.00	4000	13"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1201.00	4000	18"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1202.00	4000	24"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1203.00	4000	36"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1204.00	4000	47"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1205.00	4000	59"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1206.00	4000	70"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8402.1207.00*	4000	79"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1200.00+	4060	13"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1201.00+	4060	17"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1202.00+	4060	24"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1203.00+	4060	36"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1204.00+	4060	47"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1205.00+	4060	59"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1206.00+	4060	70"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.1207.00+	4060	79"	11.0	300°	1/4" MNPT	1/4" MNPT	Zinc Plated
8108.7261.00^	5075	19.6"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7262.00^	5075	27.5"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7263.00^	5075	35.4"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7264.00^	5075	47.2"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7265.00^	5075	59"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7266.00^	5075	70.8"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel
8108.7267.00^	5075	78.7"	10.6	320°	G 1/4" F	G 1/4" F	Stainless Steel

\* Split Grip.  
 + MV20/B.  
 ^ SF 40.

## LANCES - STRAIGHT



Part #	Model	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8116.1200.00	S3 350	5650	41"	8.0	320°	1/4" MNPT	1/4" FNPT	Stainless Steel
8102.1650.00*	M22	4000	18"	10.5	300°	M22 M	1/4" FNPT	Chrome Plated
8102.4100.00+	Two-Piece Molded	4000	36"	10.5	300°	1/4" MNPT	M22 F	Zinc Plated

\* Seamless.  
 + Industrial Grade. Grip Features M22M x 1/4" MNPT Connections.



Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## LANCES - BENT



Part #	Model	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8107.1250.00*	Bent, Vented	4060	28"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1251.00*	Bent, Vented	4060	36"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1252.00*	Bent, Vented	4060	47"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1253.00*	Bent, Vented	4060	59"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1254.00*	Bent, Vented	4060	67"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1255.00*	Bent, Vented	4060	79"	10.5	302°	G 1/4" F	1/4" MNPT	Zinc Plated
8107.1260.00*	Bent, Vented	4060	28"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8107.1261.00*	Bent, Vented	4060	36"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8107.1262.00*	Bent, Vented	4060	47"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8107.1263.00*	Bent, Vented	4060	59"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8107.1264.00*	Bent, Vented	4060	67"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8107.1265.00*	Bent, Vented	4060	79"	10.5	302°	G 1/4" F	1/4" MNPT	Stainless Steel
8108.1230.00	SF 40	5075	19.6"	10.6	320°	1/4" MNPT	1/4" MNPT	Stainless Steel
MG-28BCA	SF 40 w/Coupler	5075	28"	10.6	320°	1/4" MNPT	1/4" MNPT	Stainless Steel
MG-36BCA	SF 40 w/Coupler	5075	36"	10.6	320°	1/4" MNPT	1/4" MNPT	Stainless Steel
MG-59BCA	SF 40 w/Coupler	5075	59"	10.6	320°	1/4" MNPT	1/4" MNPT	Stainless Steel
MG-79BCA	SF 40 w/Coupler	5075	79"	10.6	320°	1/4" MNPT	1/4" MNPT	Stainless Steel

\* Includes Nozzle Holder & Protector.

## LANCES - DUAL VENTED



Part #	Model	PSI	Length	Max GPM	Max Temp	Inlet	Outlet	Material
8402.1100.00	Straight, Vented	4000	40"	10.5	300°	1/4" MNPT	1/4" FNPT	Zinc Plated
8402.1101.00	Straight, Vented	4000	42"	10.5	300°	1/4" MNPT	1/4" FNPT	Stainless Steel
PK-202.059	Bent, Vented	3600	42"	10.5	300°	1/4" MNPT	1/4" FNPT	304 Stainless

## LANCES - DUAL



Part #	NEW PART #	Description	PSI	Length	Max GPM	Max Temp	Inlet	Outlet
8110.1101.00	<b>10002-03500</b>	Molded Grip	3000	36"	10.5	284°	1/4" MNPT	1/8" FNPT
8108.8020.00		M22 Inlet	3600	23"	11.0	300°	M22 M	
8107.1111.00		Zinc Plated, Trigger, Vented	4060	47"	10.5	320°	1/4" MNPT	1/4" FNPT
8108.8100.00		SST LD MV 30	4060	40"	11.0	300°	1/4" MNPT	1/4" FNPT

## LANCES - ACCESSORIES


**A**

**B**

**C**

**Wand Saver Fitting**

Part #	Description	Style
8102.1248.00	Rubber Side Handle for 1/4" Lance	A
8402.1249.00	Rubber Side Handle for 1/2" Lance	A
8102.1249.00	Rubber Side Handle with C-Clamp	B
8102.1247.00	Plastic Side Handle with C-Clamp	C
8402.1328.00	Wand Saver Fitting, 1/4" QC Plug x 1/4" FNPT, 10 GPM Max, 4000 PSI Max, 212° Max	

## NOZZLES - QUICK CONNECT KIT


**0°**

**15°**

**25°**

**40°**

**Soap**

Part #	Description	PSI	Orifice	Inlet	Material
8113.1030.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	030	1/4" QC Plug	Stainless
8113.1035.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	035	1/4" QC Plug	Stainless
8113.1040.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	040	1/4" QC Plug	Stainless
8113.1045.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	045	1/4" QC Plug	Stainless
8113.1050.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	050	1/4" QC Plug	Stainless
8113.1055.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	055	1/4" QC Plug	Stainless
8113.1060.99	Kit with 0°, 15°, 25°, 40° & Soap Nozzles	5000	060	1/4" QC Plug	Stainless
PK-30NZLKIT	Kit with 0°, 15°, 25°, 40° & Soap Nozzles and Nozzle Holder	5000	030	1/4" QC Plug	Stainless
PK-35NZLKIT	Kit with 0°, 15°, 25°, 40° & Soap Nozzles and Nozzle Holder	5000	035	1/4" QC Plug	Stainless
PK-40NZLKIT	Kit with 0°, 15°, 25°, 40° & Soap Nozzles and Nozzle Holder	5000	040	1/4" QC Plug	Stainless

**Other Sizes Available Upon Request. Low Pressure Soap Nozzle features Brass Construction.**

## NOZZLES - SOAP & CHEMICAL


**Soap Nozzle**

**Soap Nozzle Long Range**

**Chemical Nozzle**

Part #	Description	Angle	Orifice	Inlet	Material
8113.3160.00	Low Pressure Soap Nozzle	65°	040	1/4" QC Plug	Brass
PK-85210009	Long Range Soap Nozzle, 30' Range			1/4" QC Plug	
8102.2610.00	Chemical Nozzle	40°	030	1/4" MNPT	Brass

**\* Other Sizes Available Upon Request. Soap Nozzle features Brass Construction.**

## NOZZLES - QUICK CONNECT & MEG



QC Nozzle



MEG Nozzle

### Complete Part# Using Accompanying Nozzle Size Chart ▶▶

Part #	Description	PSI	Inlet	Material
8113.-----	Quick Connect Spray Nozzle	5000	1/4" QC Plug	SST
8114.-----	MEG Spray Nozzle	5000	1/4" MNPT	SST

Orifice	0° Red	15° Yellow	25° Green	40° White
2.0	1020.00	1020.15	1020.25	1020.40
2.5	1025.00	1025.15	1025.25	1025.40
3.0	1030.00	1030.15	1030.25	1030.40
3.5	1035.00	1035.15	1035.25	1035.40
4.0	1040.00	1040.15	1040.25	1040.40
4.5	1045.00	1045.15	1045.25	1045.40
5.0	1050.00	1050.15	1050.25	1050.40
5.5	1055.00	1055.15	1055.25	1055.40
6.0	1060.00	1060.15	1060.25	1060.40
6.5	1065.00	1065.15	1065.25	1065.40
7.0	1070.00	1070.15	1070.25	1070.40
7.5	1075.00	1075.15	1075.25	1075.40
8.0	1080.00	1080.15	1080.25	1080.40
8.5	1085.00	1085.15	1085.25	1085.40
9.0	1090.00	1090.15	1090.25	1090.40
9.5	1095.00	1095.15	1095.25	1095.40
10.0	1100.00	1100.15	1100.25	1100.40

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## NOZZLES - ROTATING 2500



Part #	Description	PSI	Temp	Orifice	Inlet	Color
8111.1444.00	ROTOJET Economy Rotating Nozzle	2500	140°	025	1/4" FNPT	Lt Green
8111.1440.00	ROTOJET Economy Rotating Nozzle	2500	140°	030	1/4" FNPT	Yellow
8111.1441.00	ROTOJET Economy Rotating Nozzle	2500	140°	035	1/4" FNPT	Black
8111.1442.00	ROTOJET Economy Rotating Nozzle	2500	140°	040	1/4" FNPT	Blue
8111.1443.00	ROTOJET Economy Rotating Nozzle	2500	140°	045	1/4" FNPT	Dk. Green

## NOZZLES - IDRO-JET 2 VARI HI/LO



Part #	Description	GPM	PSI	Temp	Orifice	Inlet	Dot Color
8108.1419.00	Replacement Nozzle Body						
8108.1420.00	Variable Hi/Lo Nozzle	8.0	3200	300°	030	G 1/4" M	Yellow
8108.1421.00	Variable Hi/Lo Nozzle	8.0	3200	300°	035	G 1/4" M	White
8108.1422.00	Variable Hi/Lo Nozzle	8.0	3200	300°	037	G 1/4" M	Red
8108.1423.00	Variable Hi/Lo Nozzle	8.0	3200	300°	040	G 1/4" M	Blue
8108.1424.00	Variable Hi/Lo Nozzle	8.0	3200	300°	042	G 1/4" M	Brown
8108.1425.00	Variable Hi/Lo Nozzle	8.0	3200	300°	045	G 1/4" M	Orange
8108.1426.00	Variable Hi/Lo Nozzle	8.0	3200	300°	050	G 1/4" M	Green
8108.1427.00	Variable Hi/Lo Nozzle	8.0	3200	300°	055	G 1/4" M	Lt Blue
8108.1428.00	Variable Hi/Lo Nozzle	8.0	3200	300°	058	G 1/4" M	Black
8108.1429.00	Variable Hi/Lo Nozzle	8.0	3200	300°	060	G 1/4" M	Gray
8108.1430.00	Variable Hi/Lo Nozzle	8.0	3200	300°	065	G 1/4" M	Dk Green

Twist Spray Angle Adjustment. Push/Pull Pressure Adjustment. Orifices change .00 to .01. Dots change .00 to .02.

## NOZZLES - ROTATING TPR HE 250



Part #	Description	PSI	Temp	Orifice	Inlet	Repair Kit
8111.0080.00	Rotating Hydro Excavation Nozzle	3600	194°	080	1/2" FNPT	8111.0080.01
8111.0100.00	Rotating Hydro Excavation Nozzle	3600	194°	100	1/2" FNPT	8111.0100.01
8111.0120.00	Rotating Hydro Excavation Nozzle	3600	194°	120	1/2" FNPT	8111.0120.01

## NOZZLES - ROTATING UR25



Part #	Description	GPM Min	GPM Max	PSI Min	PSI Max	Temp	Orifice	Inlet	Repair Kit
8116.1430.00	UR Nozzle 3650-030	1.5	7.7	1450	3650	212°	030	1/4" FNPT	8116.1430.01
8116.1431.00	UR Nozzle 3650-035	1.5	7.7	1450	3650	212°	035	1/4" FNPT	8116.1431.01
8116.1432.00	UR Nozzle 3650-040	1.5	7.7	1450	3650	212°	040	1/4" FNPT	8116.1432.01
8116.1433.00	UR Nozzle 3650-045	1.5	7.7	1450	3650	212°	045	1/4" FNPT	8116.1433.01
8116.1434.00	UR Nozzle 3650-050	1.5	7.7	1450	3650	212°	050	1/4" FNPT	8116.1434.01
8116.1435.00	UR Nozzle 3650-055	1.5	7.7	1450	3650	212°	055	1/4" FNPT	8116.1435.01
8116.1436.00	UR Nozzle 3650-060	1.5	7.7	1450	3650	212°	060	1/4" FNPT	8116.1436.01
8116.1437.00	UR Nozzle 3650-065	1.5	7.7	1450	3650	212°	065	1/4" FNPT	8116.1437.01
8116.1438.00	UR Nozzle 3650-070	1.5	7.7	1450	3650	212°	070	1/4" FNPT	8116.1438.01
8116.1439.00	UR Nozzle 3650-080	1.5	7.7	1450	3650	212°	080	1/4" FNPT	8116.1439.01

## NOZZLES - ROTATING 3700 PSI



Part #	Description	PSI	Temp	Orifice	Inlet	Repair Kit
8111.1429.00	ROTOJET Nozzle 3700-030	3700	210°	030	1/4" FNPT	8111.1429.01
8111.1430.00	ROTOJET Nozzle 3700-035	3700	210°	035	1/4" FNPT	8111.1430.01
8111.1431.00	ROTOJET Nozzle 3700-040	3700	210°	040	1/4" FNPT	8111.1431.01
8111.1432.00	ROTOJET Nozzle 3700-045	3700	210°	045	1/4" FNPT	8111.1432.01
8111.1433.00	ROTOJET Nozzle 3700-050	3700	210°	050	1/4" FNPT	8111.1433.01
8111.1434.00	ROTOJET Nozzle 3700-055	3700	210°	055	1/4" FNPT	8111.1434.01
8111.1435.00	ROTOJET Nozzle 3700-060	3700	210°	060	1/4" FNPT	8111.1435.01
8108.9092.00	ROTOJET Nozzle 3700-065	3700	210°	065	1/4" FNPT	8108.9111.00
8108.9093.00	ROTOJET Nozzle 3700-070	3700	210°	070	1/4" FNPT	8108.9112.00
8111.1436.00	ROTOJET Nozzle 3700-080	3700	210°	080	1/4" FNPT	8111.1436.01

**Concentrated Straight Stream in a Conical Pattern.**

## NOZZLES - ROTATING 3700 PSI



Part #	Description	PSI	Temp	Orifice	Inlet	Repair Kit
8111.1500.00	Rotating TPR255 Nozzle	3700	212°	020	1/4" FNPT	8111.1500.01
8111.1501.00	Rotating TPR255 Nozzle	3700	212°	025	1/4" FNPT	8111.1501.01
8111.1502.00	Rotating TPR255 Nozzle	3700	212°	030	1/4" FNPT	8111.1502.01
8111.1503.00	Rotating TPR255 Nozzle	3700	212°	035	1/4" FNPT	8111.1503.01
8111.1504.00	Rotating TPR255 Nozzle	3700	212°	040	1/4" FNPT	8111.1504.01
8111.1505.00	Rotating TPR255 Nozzle	3700	212°	045	1/4" FNPT	8111.1505.01
8111.1506.00	Rotating TPR255 Nozzle	3700	212°	050	1/4" FNPT	8111.1506.01
8111.1507.00	Rotating TPR255 Nozzle	3700	212°	055	1/4" FNPT	8111.1507.01
8111.1508.00	Rotating TPR255 Nozzle	3700	212°	060	1/4" FNPT	8111.1508.01
8111.1509.00	Rotating TPR255 Nozzle	3700	212°	065	1/4" FNPT	8111.1509.01
8111.1510.00	Rotating TPR255 Nozzle	3700	212°	070	1/4" FNPT	8111.1510.01
8111.1511.00	Rotating TPR255 Nozzle	3700	212°	075	1/4" FNPT	8111.1511.01
8111.1512.00	Rotating TPR255 Nozzle	3700	212°	080	1/4" FNPT	8111.1512.01
8111.1700.00	Yellow Rotating TPR255 Nozzle	3700	212°	030	1/4" FNPT	
8111.1701.00	Yellow Rotating TPR255 Nozzle	3700	212°	040	1/4" FNPT	
8111.1702.00	Yellow Rotating TPR255 Nozzle	3700	212°	070	1/4" FNPT	

\*Concentrated Straight Stream in a Conical Pattern.

## NOZZLES - ROTATING 4000 PSI



Part #	Description	PSI	Temp	Orifice	Inlet
8402.1401.50	Rotating Nozzle	4000	212°	035	1/4" FNPT
8402.1402.50	Rotating Nozzle	4000	212°	040	1/4" FNPT
8402.1403.50	Rotating Nozzle	4000	212°	045	1/4" FNPT
8402.1404.50	Rotating Nozzle	4000	212°	050	1/4" FNPT
8402.1405.50	Rotating Nozzle	4000	212°	055	1/4" FNPT
8402.1406.50	Rotating Nozzle	4000	212°	060	1/4" FNPT

## NOZZLES - ROTATING TPL



Part #	Description	GPM	PSI	Temp	Orifice	Inlet	Color
8111.1470.00	Rotating TPL Nozzle	1.0	4200	194°	028	1/4" FNPT	Lilac
8111.1471.00	Rotating TPL Nozzle	1.1	4200	194°	033	1/4" FNPT	Lt Green
8111.1472.00	Rotating TPL Nozzle	1.2	4200	194°	040	1/4" FNPT	Dk Green
8111.1473.00	Rotating TPL Nozzle	1.3	4200	194°	045	1/4" FNPT	Dk Yellow
8111.1474.00	Rotating TPL Nozzle	1.4	4200	194°	053	1/4" FNPT	Lt Brown

Axial  
(Electric)Axial  
(Gas)Triplex  
(Solid)Triplex  
(Electric)Triplex  
(Gas)Fully  
PlumbedHydraulic  
Pumps

Accessories

Resources

## NOZZLES - ROTATING 4500 PSI



Part #	Description	PSI	Temp	Orifice	Inlet	Repair Kit
8111.1456.00	ROTOJET Nozzle 4500-030	4500	210°	030	1/4" FNPT	8111.1456.01
8111.1457.00	ROTOJET Nozzle 4500-035	4500	210°	035	1/4" FNPT	8111.1457.01
8111.1450.00	ROTOJET Nozzle 4500-040	4500	210°	040	1/4" FNPT	8111.1450.01
8111.1451.00	ROTOJET Nozzle 4500-045	4500	210°	045	1/4" FNPT	8111.1451.01
8111.1452.00	ROTOJET Nozzle 4500-050	4500	210°	050	1/4" FNPT	8111.1452.01
8111.1453.00	ROTOJET Nozzle 4500-055	4500	210°	055	1/4" FNPT	8111.1453.01
8111.1454.00	ROTOJET Nozzle 4500-060	4500	210°	060	1/4" FNPT	8111.1454.01
8111.1455.00	ROTOJET Nozzle 4500-070	4500	210°	070	1/4" FNPT	8111.1455.01

\*Concentrated Straight Stream in a Conical Pattern.

## NOZZLES - SEWER



Part #	Description	PSI	Temp	Size	Inlet	Material
8108.3009.00	Sewer Nozzle	5000	300°	#4.0	1/4" FNPT	SST
8402.3010.00	Sewer Nozzle	4000	300°	#4.5	1/4" FNPT	SST
8402.3011.00	Sewer Nozzle	4000	300°	#6.5	1/4" FNPT	SST
8402.3012.00	Sewer Nozzle	4000	300°	#11	1/4" FNPT	SST
8108.3109.00	Sewer Nozzle	5000	300°	#4.0	1/8" FNPT	SST
8402.3110.00	Sewer Nozzle	4000	300°	#4.5	1/8" FNPT	SST
8402.3111.00	Sewer Nozzle	4000	300°	#6.5	1/8" FNPT	SST
8402.3112.00	Sewer Nozzle	4000	300°	#11	1/8" FNPT	SST

Forward Blast to Clear Debris, Backward Blast to Flush

## NOZZLES - ROTATING UR32



Part #	Description	GPM Min	GPM Max	PSI Min	PSI Max	Temp	Orifice	Inlet	Repair Kit
8116.1450.00	UR Nozzle 5100-030	2.4	9.0	2600	5100	212°	030	1/4" FNPT	8116.1430.01
8116.1451.00	UR Nozzle 5100-035	2.4	9.0	2600	5100	212°	035	1/4" FNPT	8116.1431.01
8116.1452.00	UR Nozzle 5100-040	2.4	9.0	2600	5100	212°	040	1/4" FNPT	8116.1432.01
8116.1453.00	UR Nozzle 5100-045	2.4	9.0	2600	5100	212°	045	1/4" FNPT	8116.1433.01
8116.1454.00	UR Nozzle 5100-050	2.4	9.0	2600	5100	212°	050	1/4" FNPT	8116.1434.01
8116.1455.00	UR Nozzle 5100-055	2.4	9.0	2600	5100	212°	055	1/4" FNPT	8116.1435.01
8116.1456.00	UR Nozzle 5100-060	2.4	9.0	2600	5100	212°	060	1/4" FNPT	8116.1436.01
8116.1457.00	UR Nozzle 5100-065	2.4	9.0	2600	5100	212°	065	1/4" FNPT	8116.1437.01
8116.1458.00	UR Nozzle 5100-070	2.4	9.0	2600	5100	212°	070	1/4" FNPT	8116.1438.01
8116.1459.00	UR Nozzle 5100-080	2.4	9.0	2600	5100	212°	080	1/4" FNPT	8116.1439.01

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**NOZZLES - ROTATING TPR400 1/2"**



Part #	Description	PSI	Temp	Orifice	Inlet	Repair Kit
8111.1606.00	Rotating TPR400 Nozzle	5800	212°	050	G 1/2" F	8111.1532.01
8111.1608.00	Rotating TPR400 Nozzle	5800	212°	060	G 1/2" F	8111.1534.01

**NOZZLES - ROTATING 5800 PSI**



Part #	Description	Max PSI	Temp	Orifice	Inlet	Repair Kit
8111.1414.00*	ROTOJET Nozzle	5800	200°	020	G 1/4" F	8111.1414.01
8111.1400.00*	ROTOJET Nozzle	5800	200°	030	G 1/4" F	8111.1400.01
8111.1401.00*	ROTOJET Nozzle	5800	200°	035	G 1/4" F	8111.1401.01
8111.1402.00*	ROTOJET Nozzle	5800	200°	040	G 1/4" F	8111.1402.01
8111.1403.00*	ROTOJET Nozzle	5800	200°	045	G 1/4" F	8111.1403.01
8111.1404.00*	ROTOJET Nozzle	5800	200°	050	G 1/4" F	8111.1404.01
8111.1405.00*	ROTOJET Nozzle	5800	200°	055	G 1/4" F	8111.1405.01
8111.1406.00*	ROTOJET Nozzle	5800	200°	060	G 1/4" F	8111.1406.01
8108.9087.00*	ROTOJET Nozzle	5800	200°	065	G 1/4" F	8108.9107.00
8111.1407.00*	ROTOJET Nozzle	5800	200°	070	G 1/4" F	8111.1407.01
8108.9088.00*	ROTOJET Nozzle	5800	200°	075	G 1/4" F	8108.9108.00
8111.1408.00*	ROTOJET Nozzle	5800	200°	080	G 1/4" F	8111.1408.01
8111.1410.00*	ROTOJET Nozzle	5800	200°	090	G 1/4" F	8111.1410.01
8111.1411.00*	ROTOJET Nozzle	5800	200°	100	G 1/4" F	8111.1411.01
8111.1412.00*	ROTOJET Nozzle	5800	200°	110	G 1/4" F	8111.1412.01
8111.1409.00*	ROTOJET Nozzle	5800	200°	120	G 1/4" F	8111.1409.01
8108.7001.00*	ROTOJET Nozzle	5800	200°	140	G 1/4" F	8108.7001.01
8111.1413.00*	ROTOJET Nozzle	5800	200°	150	G 1/4" F	8111.1413.01
8108.9090.00*	ROTOJET Nozzle	5800	200°	200	G 1/4" F	8108.9190.00

\*Concentrated Straight Stream in a Conical Pattern.

**NOZZLE - ADJUSTABLE AN 25**



Part #	Description	GPM	PSI	Temp	Inlet	Outlet
8108.9160.00	Adjustable Nozzle AN 25	8.0	4060	320°	1/4" FNPT	1/4" FNPT

## NOZZLES - ROTATING TPR600



Part #	Description	Min PSI	Max PSI	Temp	Orifice	Inlet	Repair Kit
8111.1539.00	TPR600 Nozzle	2175	8700	212°	020	G 1/4" F	8111.1539.01
8111.1540.00	TPR600 Nozzle	2175	8700	212°	025	G 1/4" F	8111.1540.01
8111.1541.00	TPR600 Nozzle	2175	8700	212°	030	G 1/4" F	8111.1541.01
8111.1542.00	TPR600 Nozzle	2175	8700	212°	035	G 1/4" F	8111.1542.01
8111.1543.00	TPR600 Nozzle	2175	8700	212°	040	G 1/4" F	8111.1543.01
8111.1544.00	TPR600 Nozzle	2175	8700	212°	045	G 1/4" F	8111.1544.01
8111.1545.00	TPR600 Nozzle	2175	8700	212°	050	G 1/4" F	8111.1545.01
8111.1546.00	TPR600 Nozzle	2175	8700	212°	055	G 1/4" F	8111.1546.01
8111.1547.00	TPR600 Nozzle	2175	8700	212°	060	G 1/4" F	8111.1547.01
8111.1548.00	TPR600 Nozzle	2175	8700	212°	065	G 1/4" F	8111.1548.01
8111.1549.00	TPR600 Nozzle	2175	8700	212°	070	G 1/4" F	8111.1549.01
8111.1550.00	TPR600 Nozzle	2175	8700	212°	075	G 1/4" F	8111.1550.01

## NOZZLE - PROTECTORS


**A**

**B**

**C**

Part #	Description	Style	GPM	PSI	Temp	Inlet	Outlet
8108.8002.00	Nozzle Protector	A			300°		
8402.1452.00	Nozzle Protector	B	10.5	4000	300°	1/4" FNPT	1/4" FNPT
8108.9159.00	Nozzle Protector	B	16.0	5075	300°	1/4" FNPT	1/8" FNPT
8108.9151.00	Nozzle Protector MV 114	C	16.0	5075	300°	1/4" FNPT	1/4" FNPT

## NOZZLE - PROTECTOR KIT



Part #	Description	GPM	PSI	Temp	Inlet
8108.9024.00	Karcher Nozzle Holder with Viton O-Ring	12.0	3600	300°	1/4" FNPT

## NOZZLE - ADJUSTABLE TIP HOLDER



Part #	Description	PSI	Temp	Inlet
8402.1450.00	Spray Tip Holder Without Protector	3625	302°	1/4" FNPT

**Pressure Adjustment for Chemical Application**



Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

Fully Plumbed

Hydraulic Pumps

Accessories

Resources

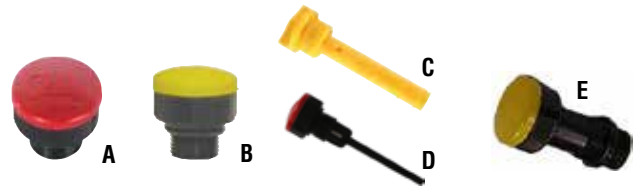
**OIL - COMET PUMPS**



Part #	Description
8102.1801.00	Pump Oil, 32 oz. bottle. Specially formulated for use in High Pressure Industrial Piston Pumps. Universal Tractor Transmission Oil (UTTO). 30 Wt.

**Comet Industrial Pump Oil is a special formulated non-detergent, non-foaming oil, which is AW100 rated for superior oxidation protection. Comet recommends changing pump oil after the initial 50 hours of operation and every 300 hours thereafter.**

**OIL CAPS & DIPSTICKS**



Part #	NEW PART #	Description	Style
3200.0071.00	00008-00072	Oil Cap, AX	A
3200.0086.00	00008-00089	Oil Cap, BX	B
3200.0051.00	00008-00053	Dipstick, LW, ZW, FW, HW & RW	C
3200.0075.00	00008-00077	Dipstick, SW & TW	D
3200.0138.00	00008-00139	Oil Cap, Vented, Long, BXD	E

**PACKAGING EXTRACTOR**



Part #	NEW PART #	Description
0899.0004.00	21002-00050	Extractor Tool, 15& 18 mm
0899.0005.00	21002-00051	Extractor Tool, 20, 22 & 25 mm
0899.0006.00	21002-00052	Extractor Hammer
0899.0007.00	21002-00053	Extractor Kit

**For Comet Pumps. Slide Hammer.**

**PACKAGING INSERTION**



Part #	NEW PART #	Description
3335.0023.00	10002-04369	Packaging Kit LW, ZW, FW & HW

**Increases Efficiency in Pump Repair. Industrial Grade Materials.**

**PULSATION DAMPENERS**



Part #	Description	PSI	PSI Pre-Charge	Capacity	Temp	Inlet	GPM
8107.3200.00	Accumulator	3045	580	.02 Gallon	176°	3/8" FNPT	0-6.6
8107.3201.00	Accumulator	3045	580	.09 Gallon	176°	1/2" FNPT	6.6-18.5
8107.3203.00	Accumulator	3045	580	.09 Gallon	176°	3/8" FNPT	6.6-18.5

**PUMP RAIL KITS**



Part #	NEW PART #	Description	Style	Compatibility	Height
3335.0023.00	10002-04369	Pump Rail Kit	Standard	LW	1 3/8"
5011.0184.00		Pump Rail Kit	Tall	LW	2 1/2"
5011.0185.00	10001-00521	Pump Rail Kit	Standard	FW & HW	1"
5011.0229.00	10001-00559	Pump Rail Kit	Standard	RW	1 3/8"
5011.0214.00		Pump Rail Kit	Standard	SW & TW	1 3/8"
5011.0257.00	10001-00587	Pump Rail Kit	Tall	RW	2 1/2"
5011.0278.00	10001-00607	Pump Rail Kit	Tall	SW & TW	2 1/2"

## SAND BLASTER - WET, INDUSTRIAL



Part #	Description	PSI Min	PSI 15° Tip	PSI 0° Tip	GPM Min	GPM Max
8103.1901.00	Wet Sand Blast Kit, Complete	1500	3500	5500	3.0	10.0
8103.1903.00	Tungsten Carbide Nozzle	1500	3500	5500	3.0	10.0
8103.1913.00	Tip Adapter	1500	3500	5500	3.0	10.0

**Other Replacement Parts Available.**

## SAND BLASTER - COMMERCIAL



Part #	Description	PSI	GPM	Nozzle	Temp
8108.1901.00	TS33-1.4 Head Assembly	1500	3.81	1.4 mm	194°
8108.1903.00	TS33-1.6 Head Assembly	1500	4.76	1.6 mm	194°
8108.1905.00	Sand Blast Suction Tube				

**Other Replacement Parts Available.**

## SURFACE CLEANERS - 3000 PSI



Part #	Description	PSI	GPM	Inlet	Temp	Orifice
8108.8012.00	Surface Cleaner with Wheels	3000	4.0	M22 M	140°	035
8108.8010.00	Surface Cleaner without Wheels	3000	4.0	M22 M	140°	035
8108.8013.00	Wheel Conversion Kit					

## SURFACE CLEANERS - 3200 PSI, SC 15



Part #	Description	PSI	GPM	Inlet	Temp	Orifice
8108.8029.00	Surface Cleaner	3200	3.0	QC	140°	035
8108.8029.01	Repair Kit					
8108.8029.02	Connector SC15, AR1-M22 x 1.5M					
8108.8029.03	Connector SC15, AR1-M22 x 1.5F					

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

Triplex (Gas)

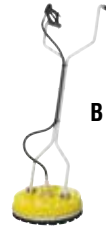
Fully Plumbed

Hydraulic Pumps

Accessories

Resources

**SURFACE CLEANERS - 4000 PSI**



Part #	Description	PSI	GPM	Diameter	Temp	Style
PK-1400WAW*	Surface Cleaner	4000	8.0	14"	180°	A
8102.2401.00+	Surface Cleaner with Brush	4000	8.0	16"	180°	B
8102.2454.00	16" Rotary Head					
8102.2470.01	Trigger Gun 16					
8102.2461.00	Replacement Hose					

**\*Under 2500 PSI Optimal.**  
**+UV Resistant Dome. Rebuildable Swivel. Industrial Duty**

**SWITCHES - FLOW**



Part #	Model	GPM	Max PSI	Cable	Temp	Inlet	Outlet	Volts	Amps	Style
8108.2211.00*	MV60	8.0	5660	62"	176°	3/8" FNPT	3/8" FNPT	12-250	3.0	A
8108.2210.00*	MV60	8.0	5660	62"	176°					A
8108.2209.00	Replacement Reed Switch									
8108.2216.00+	MV70	8.0	10150	62"	176°	3/8" FNPT	3/8" FNPT	12-250	3.0	B
8116.2213.00	FL7SS	8.0	8120	49"	165°	3/8" FNPT	3/8" FNPT	230	3.0	C

**\* 167° Max Environment. Min Flow Activation Horizontal - Vertical 1.0 GPM.**  
**+ 167° Max Environment. Horizontal. 303 Stainless Steel.**

**SWITCHES - PRESSURE**



Part #	Model	Color	Activate PSI	Max PSI	Cable	Temp	Inlet	Volts	Amps	Style
8108.2203.00*	PS6	Blue	218	4060	47"	195°	1/4" MNPT	12-250	16 (6)	A
8108.2204.00*	PS6	Blue	218	4060	47"	195°	3/8" MNPT	12-250	16 (6)	A
8108.2205.00*	PS6	Red	363	4060	47"	195°	1/4" MNPT	12-250	16 (6)	A
8108.2206.00*	PS6	Red	363	4060	47"	195°	3/8" MNPT	12-250	16 (6)	A
8108.2207.00*	PS6	Black	652	4060	47"	195°	1/4" MNPT	12-250	16 (6)	A
8108.2208.00*	PS6	Black	652	4060	47"	195°	3/8" MNPT	12-250	16 (6)	A
8116.2203.00	PR16	Black	580	4050	47"	165°	3/8" MNPT	12-250	16	B
8108.2214.00+	PS60		362.5	9575	47.24"	195°	3/8" MNPT	12-250	16 (6)	C
8108.2215.00+	PS60		652.5	9575	47.24"	195°	3/8" MNPT	12-250	16 (6)	C

**\* 3-Wire Design. 167° Max Environment.**  
**+ AISI 303 Stainless Steel. 167° Max Environment.**

## SWITCHES - VACUUM



Part #	Size	Temp	Connection	Volts	Amps
3230.0037.00	1.5"	176°	1/4" FNPT	230	16
3230.0036.00	2.0"	176°	1/4" FNPT	230	16
3230.0035.00	2.5"	176°	1/4" FNPT	230	16
8107.2216.00	4.0"	176°	1/4" FNPT	230	16
8107.2217.00	4.5"	176°	1/4" FNPT	230	16

\* 131° Max Environment. FRESH WATER ONLY.

## SWIVELS - STRAIGHT



Part #	Description	Model	PSI	GPM	Inlet	Outlet	Temp	Style
8116.3501.00*	Brass	MR-O	4050	10.5	3/8" M w/60° Taper	3/8" FNPT	194°	A
8402.3501.00	High Pressure, Brass		4100	10.5	3/8" FNPT	3/8" MNPT	300°	B
8108.8354.00	Brass	SW Std	4500	8.0	3/8" MNPT	3/8" FNPT	302°	C
8116.3503.00*	303 Stainless	MR-I	5650	10.5	3/8" MNPT	3/8" MNPT	194°	D

\* Temp May Reach 320° for a Limited Time.

## TAPE - PTFE, THREAD SEALING



Part #	Description	Width	Length
12-60	PTFE Tape	1/2"	60"
12-260	PTFE Tape	1/2"	260"
12-520	PTFE Tape	1/2"	520"
34-520	PTFE Tape	3/4"	520"

## TERMINATOR - THERMO ENGINE



Part #	Description	PSI
8104.0001.00	For DC Use Only. Shuts Engine Off at 145°	4000

## THERMOSTAT



Part #	NEW PART #	PSI	Temp	Volts	Amps
3230.0037.00	00058-00470	4000	194°	250	15
3230.0036.00	00058-00469	4000	250°	250	15
3230.0035.00	00058-00468	4000	302°	250	15

1/2" BSP Remote Probe. Precision Temp Control. 70" Insulated Cap Tube.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**THREAD LOCK - LOXEAL, LIQUID**



Part #	Size	Type
8107.3600.00	250 ML	Medium
8107.3601.00	250 ML	Strong

**THROTTLE CONTROL**



Part #	Connection	Temp	Cable	PSI	Stroke
8108.7100.00	3/8" Conical	320°	40"	5800	.28-.55"

**Pressure at start of stroke 72.5 PSI. Pressure at end of stroke 290 PSI.**

**TRASH CAN CLEANER**



A42R2



A80R



Part #	Description	Notes	Model	GPM	Orifice
7800.0000.00	Trash Can Cleaner	Also need to purchase one (1) tank cleaner from below.			
8116.4016.00	Tank Cleaner	Also need to purchase four (4) x 8116.4000.00 nozzles.	A80R	8.0-10.6	
8116.4020.00	Tank Cleaner	Also need to purchase four (4) x 8116.4000.00 nozzles.	A80R	8.5-22.5	
8116.4000.00	Nozzle	For the A80R Tank Cleaner.			080
8116.4031.00	Tank Cleaner	Also need to purchase three (3) x 8116.4001.00 nozzles.	A42R	4-5.3	
8116.4038.00	Tank Cleaner	Also need to purchase three (3) x 8116.4001.00 nozzles.	A42R2	10.5-13.2	
8116.4001.00	Nozzle for A42R.	For the A42R and A42R2 Tank Cleaner.			040

**UNLOADERS - VB SERIES - 8 GPM**



VB 9



VB 56



VB 75

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Knob	Material	Repair Kit
8116.2565.00*	VB 9	8	3650	195°	3/8" F	3/8" F	3/8" F	Yes	Brass	8116.2565.01
8116.2542.00+	VB 56	8	3650	195°	1/2" F	3/8" F		Yes	Brass	8116.2542.01
8116.2516.00+	VB 75	8	3650	195°	1/2" F	3/8" F		No	Brass	8116.2516.01

\* Microswitch 6A (250V) 39" Cable. 1/4" Gauge Bolt x 1 + 3/8" x 1/2" Couplings. Banjo Connection.

## UNLOADERS - VRF 2 SERIES - 8 GPM


**VRF 2**

**Banjo Kit**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Color	Knob	Material	Repair Kit
8108.2591.00	VRF 2	8	3630	194°	3/8" M	3/8" MNPT	Red	Yes	Brass	8108.2591.01
8108.2590.00*	VRF 2	8	3630	194°	3/8" M	3/8" MNPT	Red	Yes	Brass	8108.2591.01
8108.2594.00+	VRF 2	8	3630	194°	3/8" M	3/8" MNPT	Red	Yes	Brass	8108.2591.01
8108.2593.00	VRF 2	8	4500	194°	3/8" M	3/8" MNPT	Blue	Yes	Brass	8108.2591.01
1215.0548.00^	VRF 2	8	4500	194°	3/8" M	3/8" MNPT	Blue	Yes	Brass	8108.2591.01

\* Fixed Injector 2.1.

+ Adjustable Injector 2.1.

^ Adjustable Injector 2.3.

Part #	Description	X-Offset	Y-Offset	Inlet	Outlet
8108.2574.00	For Comet BW, LW, AW & ZW Series Pumps	0.0 mm	55/66 mm	1/2" M	3/8" M
8108.2577.00	For Comet BW, LW, AW & ZW Series Pumps. Modified with Thermal Port.				
8108.2575.00	For Comet FW2 Series Pumps	5.0 mm	53/66 mm	1/2" M	3/8" M
8108.2573.00	For Comet LW Misting Pumps	0.0 mm	63 mm	3/8" M	3/8" M
8108.2576.00	For Comet RW Pumps	19 mm	62/75 mm	1/2" M	3/8" M

## UNLOADER - MOUNTING BLOCK



Part #	Description	PSI	Inlet	Outlet	Material	Mounting Holes
8102.0551.00	Mounting Block	4000	3/8" FNPT	3/8" FNPT	Aluminum	5/16" x 18
8102.0552.00	Mounting Block	4000	3/8" FNPT	3/8" FNPT	Zinc Plated	5/16" x 18
8402.0553.00	Mounting Block	4000	3/8" FNPT	3/8" FNPT	1/2" Aluminum	5/16" x 18

For Remote Mounting of Unloader Valves. Solid Machined Part.

## UNLOADERS - VRS 3 SERIES - 8 GPM


**VRS 3**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2548.00*	VRS 3	8	3630	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT	Blue	No	Brass	8108.2530.01
8108.2549.00*	VRS 3	8	3650	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT	Blue	Yes	Brass	8108.2530.01

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**UNLOADERS - VRC 25 SERIES (COMPENSATED) - 8 GPM**



**VRC 25**



**VRC 25 with Switch**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2580.00*	VRC 25	8	3630	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT	Blue	Yes	Brass	8108.2580.01
8108.2582.00^	VRC 25	8	3630	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT x 2	Blue	Yes	Brass	8108.2582.01
8108.2583.00+	VRC 25	8	3630	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT x 2	Blue	No	Brass	8108.2582.01

\* Panel Mount. Gauge Port 1/4" FPT.

^ Panel Mount with Switch. 250V, 6 (2) A.

+ With Switch. 250V, 6 (2) A.

**UNLOADERS - VR SERIES - 8 GPM**



**VR 54**



**VR 56**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2541.00*	VR 54	8	2175	194°	3/8" MNPT	3/8" MNPT	3/8" FNPT	Black	Yes	Brass	8108.2543.01
8108.2543.00	VR 54	8	2900	194°	3/8" MNPT	3/8" MNPT	3/8" FNPT	Red	Yes	Brass	8108.2543.01
8108.2544.00	VR 54	8	2175	194°	3/8" MNPT	3/8" MNPT	3/8" FNPT	Black	Yes	Brass	8108.2543.01
8108.2551.00^	VR 56	8	3625	194°	3/8" MNPT	3/8" MNPT	3/8" FNPT	Red	Yes	Brass	8108.2551.01
8108.2591.01	Seal Repair Kit for VR 56										
8108.2544.01	Seal Repair Kit For VR 54										

\* With Locking Nut

^ 1/4" FPT Gauge Port

**UNLOADERS - PULSAR RV EZ START - 10.5 GPM**



**PULSAR RV Easy Start**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Knob	Material	Repair Kit
8116.2540.00	Pulsar RV	10.5	4500	195°	3/8" FNPT	3/8" FNPT	3/8" FNPT	Yes	Brass	8116.2540.01

## UNLOADERS - VHP 39 SERIES - 10.5 GPM


**VHP 39**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2546.00*	VHP 39	10.5	5650	194°	3/8" FNPT	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2456.01
8108.2547.00^	VHP 39	10.5	5650	194°	3/8" FNPT	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2456.01
8108.2522.00	VHP 39										

\* Rated 5070 PSI.

^ Rated 5070 PSI. Includes EZ Start.

## UNLOADERS - VB SERIES - 10.5 GPM


**VB 280**

**VB 350**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Knob	Material	Repair Kit
8116.2517.00	VB 280	10.5	4500	195°	3/8" M	3/8" F	1/2" F	Yes	Brass	8116.2517.01
8116.2501.00	VB 350	10.5	5650	195°	3/8" M	3/8" F	1/2" F	Yes	Brass	8116.2517.01
8116.2561.00	VB 350	10.5	5650	195°	3/8" MNPT	3/8" FNPT	1/2" FNPT	Yes	Brass	8116.2517.01

## UNLOADERS - VRT 3 MULTI-FUNCTION - 10.5 GPM


**VRT 3**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2539.00*	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" MNPT	3/8" FNPT	Black	Yes	Brass	8108.2532.01
8108.2540.00^	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" FNPT	3/8" FNPT	Black	Yes	Brass	8108.2532.01
8108.2538.00+	VRT 3	10.5	4500	194°	3/8" MNPT	3/8" MNPT	3/8" FNPT	Black	Yes	Brass	8108.2532.01
8108.2568.00-	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" MNPT	3/8" FNPT	Black	Yes	Brass	8108.2532.01

\* Includes Thermal Relief Valve, Relief Valve, EZ Start & Adjustable Injector 2.1.

^ Includes Thermal Relief Valve, Relief Valve & EZ Start.

+ Includes Thermal Relief Valve & EZ Start.

- Includes Thermal Relief Valve, Relief Valve, EZ Start & Adjustable Injector 2.3.



UNLOADERS - VRT 3 - 10.5 GPM



VRT 3



VRT 3  
With Switch

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2530.00	VRT 3	10.5	2320	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Yellow	Yes	Brass	8108.2530.01
8108.2533.00	VRT 3	10.5	2320	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Yellow	No	Brass	8108.2530.01
8108.2537.00+	VRT 3	10.5	3630	194°	3/8" F x 2	3/8" F	3/8" F x 2	Yellow	Yes	Brass	8108.2530.01
8108.2531.00	VRT 3	10.5	3630	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Blue	Yes	Brass	8108.2530.01
8108.2534.00	VRT 3	10.5	3630	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Blue	No	Brass	8108.2530.01
8108.2532.00	VRT 3	10.5	4500	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2532.01
8108.2535.00	VRT 3	10.5	4500	194°	3/8" FNPTx2	3/8" FNPT	3/8" FNPTx2	Black	No	Brass	8108.2532.01
8108.2521.00*	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2532.01
8108.2536.00^	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2536.01
8108.2552.00-	VRT 3	10.5	4500	194°	3/8" FNPT	3/8" FNPT	3/8" FNPTx2	Black	Yes	Brass	8108.2552.01
8108.2530.02	Knob										
8108.2532.03	Cap, Black										

\* Includes EZ Start.

^ Includes Microswitch 250V/16A.

+ 1/4" Gauge Port.

- Panel Mount with PS6 Switch 250V/16A.

UNLOADERS - VB SERIES - 21 GPM



VB 33



VB 80/280  
Zero



VB 80/150  
VB 80/280  
VB 80/400



VB 85/150  
VB 85/310

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8116.2527.00*	VB 33	21	4500	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT		Yes	Brass	8116.2527.01
8116.2526.00^	VB 80/280 Zero	21	4050	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT		Yes	Brass	8116.2526.03
8116.2523.00	VB 80/150	21	2450	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	White	No	303 SST	8116.2505.01
8116.2549.00	VB 80/280	21	4500	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Blue	No	303 SST	8116.2505.01
8116.2505.00	VB 80/400	21	6500	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Black	No	303 SST	8116.2505.01
8116.2533.00	VB 85/150	21	2600	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	White	No	Brass	8116.2533.01
8116.2534.00	VB 85/310	21	4500	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Blue	No	Brass	8116.2533.01

\* 1/4" Gauge Port.

^ 5.3GPM Minimum. Reduced Trapped Pressure.

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**UNLOADERS - VHP 51 - 26.4 GPM**

**VHP 51**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Knob	Material	Repair Kit
8108.2519.00	VHP 51	26.4	8000	194°	1/2" FNPT	1/2" FNPT	1/2" FNPT	No	Brass	8108.2587.02

**Nickel Plated Brass Body with Stainless Steel Internal Components.**
**UNLOADERS - VRT SERIES - 26.4 GPM**

**VRT 100**

**VRT 100-P**

**VRT 100  
No Knob**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
8108.2564.00	VRT 100	26.4	2760	194°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Yellow	No	Brass	8108.2565.01
8108.2565.00	VRT 100	26.4	5075	194°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Blue	No	Brass	8108.2565.01
8108.2566.00	VRT 100	26.4	5075	194°	1/2" FNPT	1/2" FNPT	1/2" FNPTx2	Green	No	Brass	8108.2565.01
8108.8503.00	VRT 100-P	26.4	5075	194°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Yellow	No	Brass	8108.8503.01
8108.2586.00	VRT 100	26.4	2760	194°	1/2" FNPT	1/2" FNPT	1/2" FNPT	Yellow	No	Steel+	8108.2586.01

\* Microswitch with 47" Cable. 250V, 6(2)A.

+ Nickel Plated Steel.

**UNLOADERS - BB 200/150 - 53 GPM**

**VB 200/150**

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Knob	Material	Repair Kit
8116.2502.00	VB 200/150	53	2450	195°	1" FNPT	1" FNPT	1" FNPT	No	Brass	8116.2502.01

**Nickel Plated Brass Body with Stainless Steel Internal Components.**

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

**UNLOADERS - VHP 31/250 - 66 GPM**



VHP 31/250

Part #	Model	Max GPM	Max PSI	Max Temp	Inlet	Outlet	Bypass	Color	Knob	Material	Repair Kit
1215.0627.00	VHP 31/250	66	2465	194°	G 1" F	G 1" F	G 1" F	Gray	No	Brass	8108.7632.01

**VALVES - SHUT-OFF, BALL**



Part #	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Material
8402.2608.00	5000	31.1	212°	1" FNPT	1" FNPT	Zinc Plated Steel Body
8402.2611.00	5000	145	212°	1 1/4" FNPT	1 1/4" FNPT	Zinc Plated Steel Body
8402.2612.00	5000	185	212°	1 1/2" FNPT	1 1/2" FNPT	Zinc Plated Steel Body
8402.2601.00	7250	1.79	212°	1/4" FNPT	1/4" FNPT	Zinc Plated Steel Body
8402.2602.00	7250	4.97	212°	3/8" FNPT	3/8" FNPT	Zinc Plated Steel Body
8402.2603.00	7250	8.41	212°	1/2" FNPT	1/2" FNPT	Zinc Plated Steel Body
8402.2604.00	7250	19.9	212°	3/4" FNPT	3/4" FNPT	Zinc Plated Steel Body
8109.2601.00	7400	2.64	212°	1/4" FNPT	1/4" FNPT	Zinc Plated Steel Body
8109.2602.00	7400	6.60	212°	3/8" FNPT	3/8" FNPT	Zinc Plated Steel Body
8109.2603.00	7400	10.57	212°	1/2" FNPT	1/2" FNPT	Zinc Plated Steel Body

Chrome Plated Steel Ball

**VALVE - SHUT-OFF, BALL**



Part #	Max PSI	Max Temp	Inlet	Outlet	Material
8102.2640.00	7000	212°	3/8" FNPT	3/8" FNPT	Stainless Steel

Stainless Steel Body

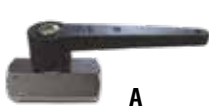
## VALVES - SHUT-OFF, 3-WAY



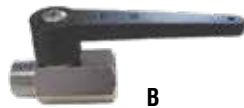
Part #	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Material
8402.2621.00	5000	31.1	212°	1" FNPT	1" FNPT	Zinc Plated Steel Body
8402.2622.00	5000	50.9	212°	1 1/4" FNPT	1 1/4" FNPT	Zinc Plated Steel Body
8402.2615.00	7250	4.97	212°	3/8" FNPT	3/8" FNPT	Zinc Plated Steel Body
8402.2623.00	7250	8.41	212°	1/2" FNPT	1/2" FNPT	Zinc Plated Steel Body
8402.2620.00	7250	19.9	212°	3/4" FNPT	3/4" FNPT	Zinc Plated Steel Body

Chrome Plated Steel Ball

## VALVES - SHUT-OFF, ECONOMY



A



B



C



D

Part #	Max PSI	Max GPM	MaxTemp	Inlet	Outlet	Style	Type
MVL18FF	200	3.00	250°	1/8" FNPT	1/8" FNPT	Nylon Lever	A
MVL18FM	200	4.25	250°	1/8" FNPT	1/8" MNPT	Nylon Lever	B
MVL14FF	200	5.50	250°	1/4" FNPT	1/4" FNPT	Nylon Lever	A
MVL14FM	200	7.00	250°	1/4" FNPT	1/4" MNPT	Nylon Lever	B
MVL38FF	200	3.00	250°	3/8" FNPT	3/8" FNPT	Nylon Lever	A
MVL38FM	200	4.25	250°	3/8" FNPT	3/8" MNPT	Nylon Lever	B
MVL12FF	200	5.50	250°	1/8" FNPT	1/8" FNPT	Nylon Lever	A
MVL12FM	200	7.00	250°	1/8" FNPT	1/8" MNPT	Nylon Lever	B
MVT18FF	200	3.00	250°	1/8" FNPT	1/8" FNPT	Nylon Butterfly T	C
MVT18FM	200	4.25	250°	1/8" FNPT	1/8" MNPT	Nylon Butterfly T	D
MVT14FF	200	5.50	250°	1/8" FNPT	1/8" FNPT	Nylon Butterfly T	C
MVT14FM	200	7.00	250°	1/8" FNPT	1/8" MNPT	Nylon Butterfly T	D
MVT38FF	200	3.00	250°	1/8" FNPT	1/8" FNPT	Nylon Butterfly T	C
MVT38FM	200	4.25	250°	1/8" FNPT	1/8" MNPT	Nylon Butterfly T	D
MVT12FF	200	5.50	250°	1/8" FNPT	1/8" FNPT	Nylon Butterfly T	C
MVT12FM	200	7.00	250°	1/8" FNPT	1/8" MNPT	Nylon Butterfly T	D

Teflon® Seat & Viton Seals. Chromed Brass Body. Chromed Ball & Stem.

## VALVES - SHUT-OFF, BALL



A



B

Part #	Max PSI	Max Temp	Inlet	Outlet	Type	Material
7600.2604.00	1500	300°	1/4" MNPT	1/4" FNPT	A	Chrome Brass
8107.2630.00	3045	176°	3/8" FNPT	3/8" FNPT	B	Nickel Plated Brass
8107.2631.00	3045	176°	1/2" FNPT	1/2" FNPT	B	Nickel Plated Brass

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

**VALVES - JETTER**



Part #	NEW PART #	PSI	Compatible Pumps	Max Temp	Inlet	Outlet	Material
0608.0034.00	00069-00210	3000 Max	LW, FW2, ZW				Brass
0608.0035.00	00069-00211	3000+	ZW, RW, SW				Brass
0608.0036.00	00069-00212	3600 Max	RW, TW				Brass
0608.0037.00	00069-00213	3600+	TW				Brass

Converts Triplex Pumps to Duplex Pumps. Replaces Inlet Valve Cap. TW 8040 S uses 0608.0036.00

**VALVES - EZ START**



Part #	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Material	Type
8102.1750.00	3500			3/8" MNPT	1/4" Hose Barb	Brass	A
8107.1750.00*	4060	8.0	194°	3/8" MNPT	90° Hose Barb	Brass	B

Releases Trapped Pressure in Gasoline Engines.

\* 1.6 GPM Valve Closure Flow

**VALVE - PRESSURE REGULATING - VRP 600**



Part #	Rated PSI	Max PSI	Max GPM	Max Temp	Inlet	Outlet	Bypass	Material	Repair Kit
8116.2506.00	8100	8700	21.0	195°	1/2" FNPT	1/2" FNPT	1/2" FNPT	303 SST	8116.2506.01

**VALVES - THERMAL RELIEF**



Part #	NEW PART #	Description	Max PSI	Relief Temp	Inlet
1215.0523.00	10002-01280	Protects Pump From Overheating	145	133°	1/4" MNPT
1215.0354.00	10002-01155	Protects Pump From Overheating	145	133°	3/8" MNPT
1215.0355.00	10002-01156	Protects Pump From Overheating	145	133°	1/2" MNPT

## VALVES - FLOW RESTRICTOR VP2



Part #	Max PSI	Max GPM	Max Temp	Inlet	Outlet
8108.8220.00	4060	8.0	320°	1/4" MNPT	1/4" MNPT
8108.7025.00	4060	8.0	320°	M22 Male	M22 Female

## VALVES - THERMAL RELIEF



Part #	Description	Max PSI	Relief Temp	Inlet	Type
8102.1703.00	Protects Pump From Overheating	200	145°	1/4" MNPT	A
8402.1702.00	Protects Pump From Overheating	200	140°	1/4" MNPT	B
8102.1700.00	Protects Pump From Overheating	200	145°	3/8" MNPT	A
8402.1700.00	Protects Pump From Overheating	200	140°	3/8" MNPT	B
8102.1701.00	Protects Pump From Overheating	200	145°	1/2" MNPT	A
8402.1701.00	Protects Pump From Overheating	200	140°	1/2" MNPT	B

## WATER BROOMS



Part #	Description	PSI	GPM	Inlet	Width	Type
PK-85400062	Under Car Water Broom	4000	3.0	1/4" QC Plug	16"	A
UCWB-16	Under Car Water Broom, Bulk Packed	4000	3.0	1/4" QC Plug	16"	A
PK-85400060	Water Broom, 3 Nozzles	4000	3.0	1/4" QC Plug	12"	B
8402.2501.00	Water Broom, 4 Nozzles	4000	3.0	1/4" QC Plug	16"	B
8113.3163.00	Replacement MEG Nozzle, 1/4" 6513					

## STATIC - COLD WATER PRESSURE WASHER



Part #	NEW PART #	Description	PSI	GPM	Amps	Volt	Hz	Watts
9052.0007.00	<b>36013-00006</b>	Single Phase Wall-Mountable Pressure Washer. Features Turbo Nozzle, Foamer & Rotating Brush, Gun & Lance with Vari-Jet, Hose Reel with 65' Rubber Hose and 15' Power Cord.	1200	2.2	14	115	60	1500

## TRACTOR PTO - PRESSURE WASHER



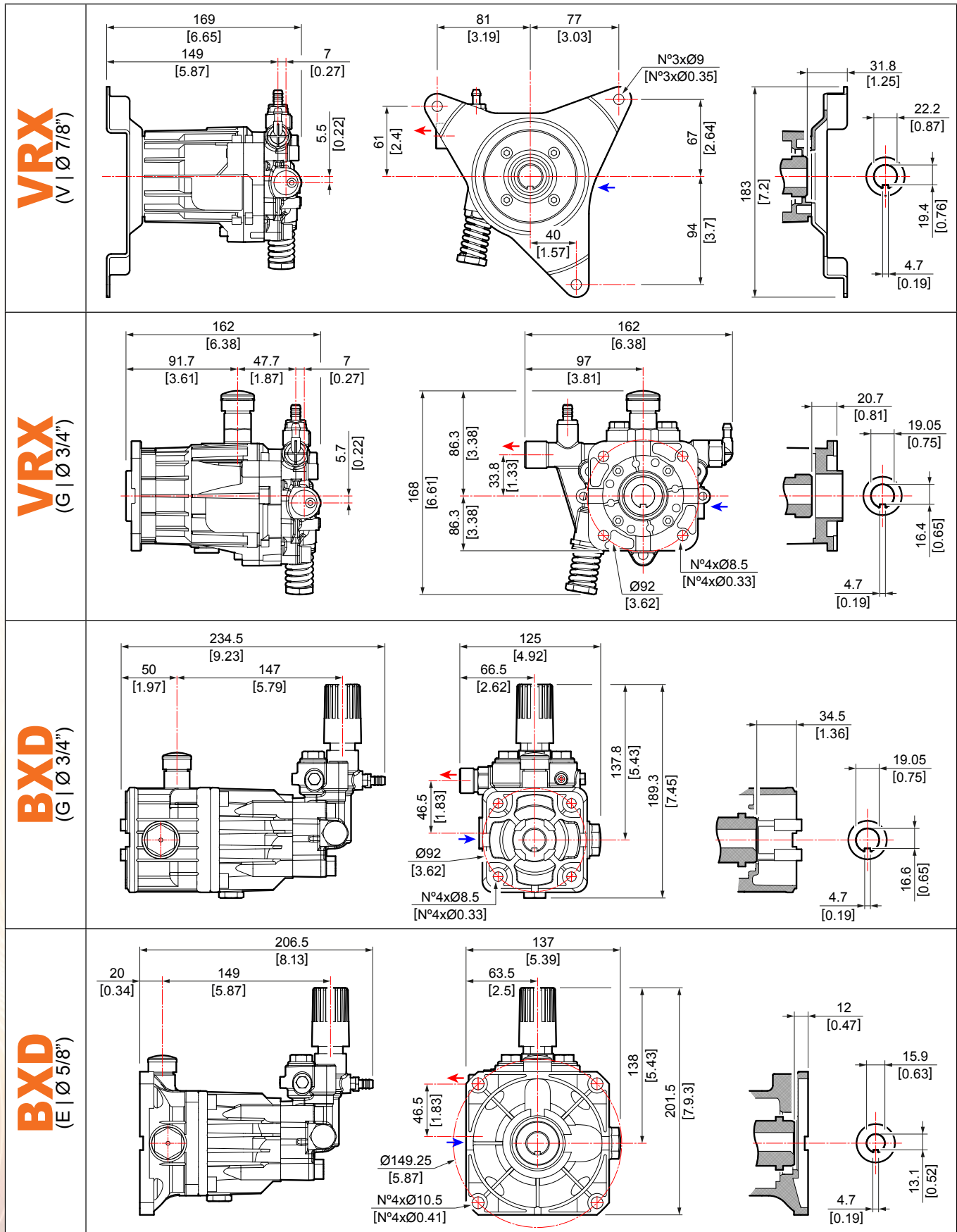
Part #	NEW PART #	Description	Pump	PTO	Frame	GPM	PSI	RPM
9045.0005.00	<b>36009-00003</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TWN 8025 S	30/170	Yes	8.0	2500	550
9045.0014.00	<b>36009-00007</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	RW 5530 S	21/200	Yes	5.1	3000	550
9045.0002.00	<b>36009-00001</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TW 8030 S	33/150	Yes	8.7	3000	550
9045.0003.00	<b>36009-00002</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TWN 6036 S	23/200	Yes	6.0	3600	550
9045.0015.00		Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TW 4545 S	10/300	Yes	4.7	5000	550
9045.0010.00	<b>36009-00006</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TWN 8025 S	30/170		8.0	2500	550
9045.0016.00	<b>36009-00008</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	RW 5530 S	21/200		5.5	3000	550
9045.0007.00	<b>36009-00004</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TW 8030 S	33/150		8.8	2175	550
9045.0008.00	<b>36009-00005</b>	Pressure Washer w/Pump & Accessories, 3-Pt Hitch	TWN 6036 S	23/200		8.7	3000	550
5003.0050.00*	<b>10001-04586</b>	Conversion Kit for 1000 RPM TWN PTO						
8102.1801.00		Oil, Bottle						

**Frame Folds for Shipping**

Axial  
(Electric)Axial  
(Gas)Triplex  
(Solid)Triplex  
(Electric)Triplex  
(Gas)Fully  
PlumbedHydraulic  
Pumps

Accessories

Resources





<p><b>AXD</b> (G   Ø 3/4")</p>		<p>Axial (Electric)</p>
<p><b>AXD/AXS</b> (E   Ø 5/8")</p>		<p>Triplex (Solid)</p>
<p><b>CXD</b> (G   Ø 3/4")</p>		<p>Triplex (Electric)</p>

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

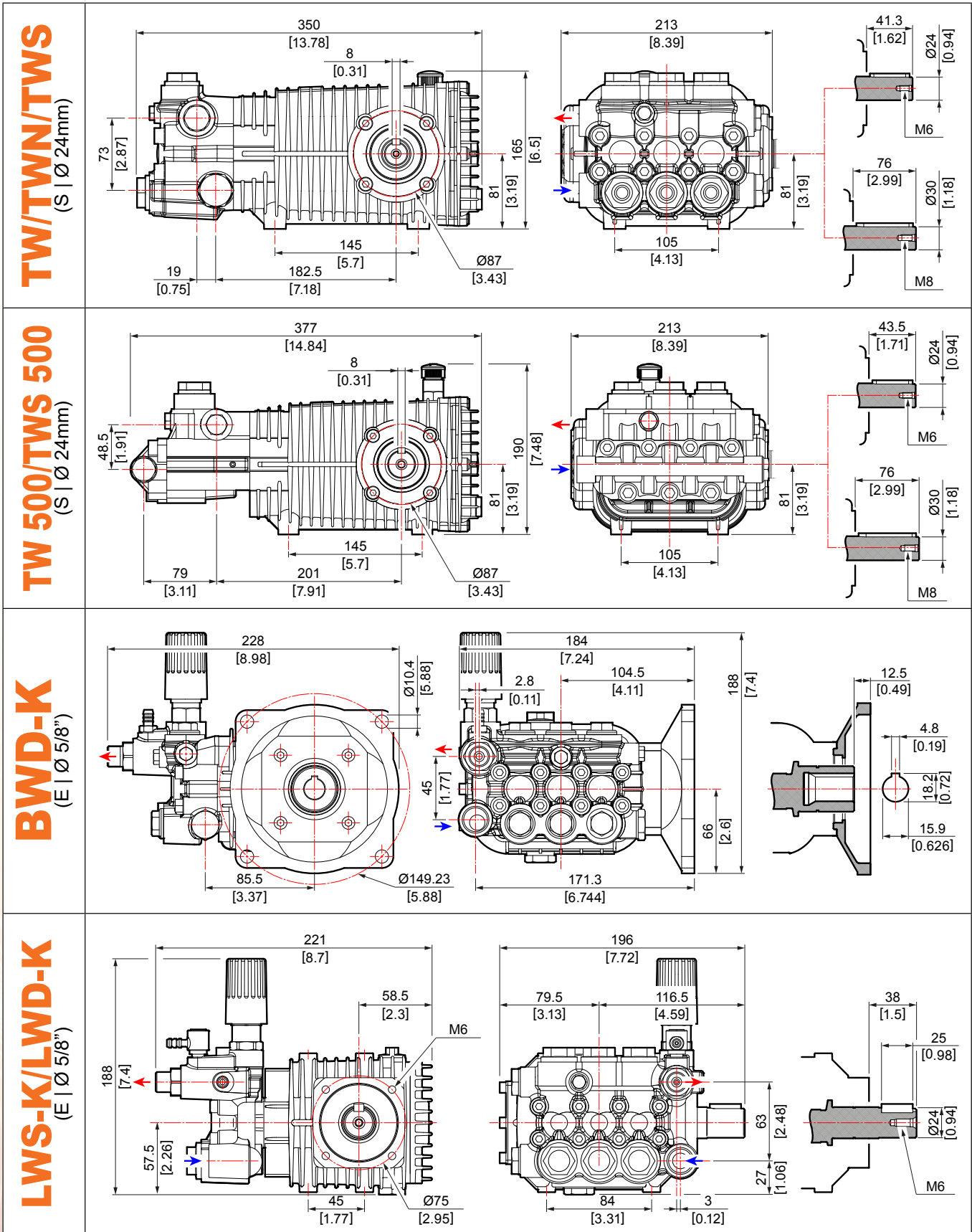
Hydraulic  
Pumps

Accessories

Resources

<p><b>LW/LWD/LWS</b> (S   Ø 24mm)</p>	
<p><b>FW2</b> (S   Ø 24mm)</p>	
<p><b>FWS2</b> (S   Ø 24mm)</p>	
<p><b>ZW</b> (S   Ø 24mm)</p>	

<p><b>RW</b> (S   Ø 24mm)</p>				<p>Axial (Electric)</p>
<p><b>RWS</b> (S   Ø 24mm)</p>				<p>Axial (Gas)</p>
<p><b>SW/SWS</b> (S   Ø 24mm)</p>				<p>Triplex (Solid)</p>
<p><b>FW2/FWS2</b> (S   Ø 24mm)</p>				<p>Triplex (Electric)</p>
				<p>Triplex (Gas)</p>
				<p>Fully Plumbed</p>
				<p>Hydraulic Pumps</p>
				<p>Accessories</p>
				<p>Resources</p>



<p><b>LWS/LWD</b> (E   Ø 5/8")</p>	<p>198.5 [7.81] 91 [3.58] 66 [2.6] 45 [1.77] Ø149.23 [5.875] 184 [7.24] 104.5 [4.11] 63 [2.48] 132 [5.2] 66 [2.6] 12.2 [0.48] 4.8 [0.19] 18.2 [0.72] 15.9 [0.62]</p>	<p>Axial (Electric) Axial (Gas)</p>
<p><b>FWS2/FWD2</b> (E   Ø 1-1/8")</p>	<p>263.5 [10.37] 130.5 [5.14] 85 [3.35] Ø13.5 [0.53] 4.5 [0.177] Ø12.7 [0.5] 108 [4.25] Ø149.23 [5.88] 66 [2.6] 222.1 [8.74] 93.8 [3.69] 128.3 [5.05] Ø184.15 [7.25] 95 [3.74] 85 [3.35] 170 [6.69] 6.4 [0.252] 8.8 [0.35] 31.6 [1.24] 28.6 [1.13]</p>	<p>Triplex (Solid) Triplex (Electric)</p>
<p><b>RWS</b> (E   Ø 1-1/8")</p>	<p>288.5 [11.36] 168.5 [6.63] 85 [3.35] Ø13.5 [0.53] 19 [0.75] Ø12.7 [0.5] 108 [4.25] Ø149.23 [5.88] 73 [2.87] 222.1 [8.74] 93.8 [3.69] 128.3 [5.05] Ø184.15 [7.25] 95 [3.74] 85 [3.35] 170 [6.69] 6.4 [0.252] 8.8 [0.35] 31.6 [1.24] 28.6 [1.13]</p>	<p>Triplex (Gas) Fully Plumbed</p>
<p><b>RWS</b> (E   Ø 1-1/8")</p>	<p>288.5 [11.36] 168.5 [6.63] 85 [3.35] Ø13.5 [0.53] 19 [0.75] Ø12.7 [0.5] 108 [4.25] Ø149.23 [5.88] 73 [2.87] 222.1 [8.74] 93.8 [3.69] 128.3 [5.05] Ø184.15 [7.25] 95 [3.74] 85 [3.35] 170 [6.69] 6.4 [0.252] 8.8 [0.35] 31.6 [1.24] 28.6 [1.13]</p>	<p>Hydraulic Pumps Accessories</p>

Axial (Electric)

Axial (Gas)

Triplex (Solid)

Triplex (Electric)

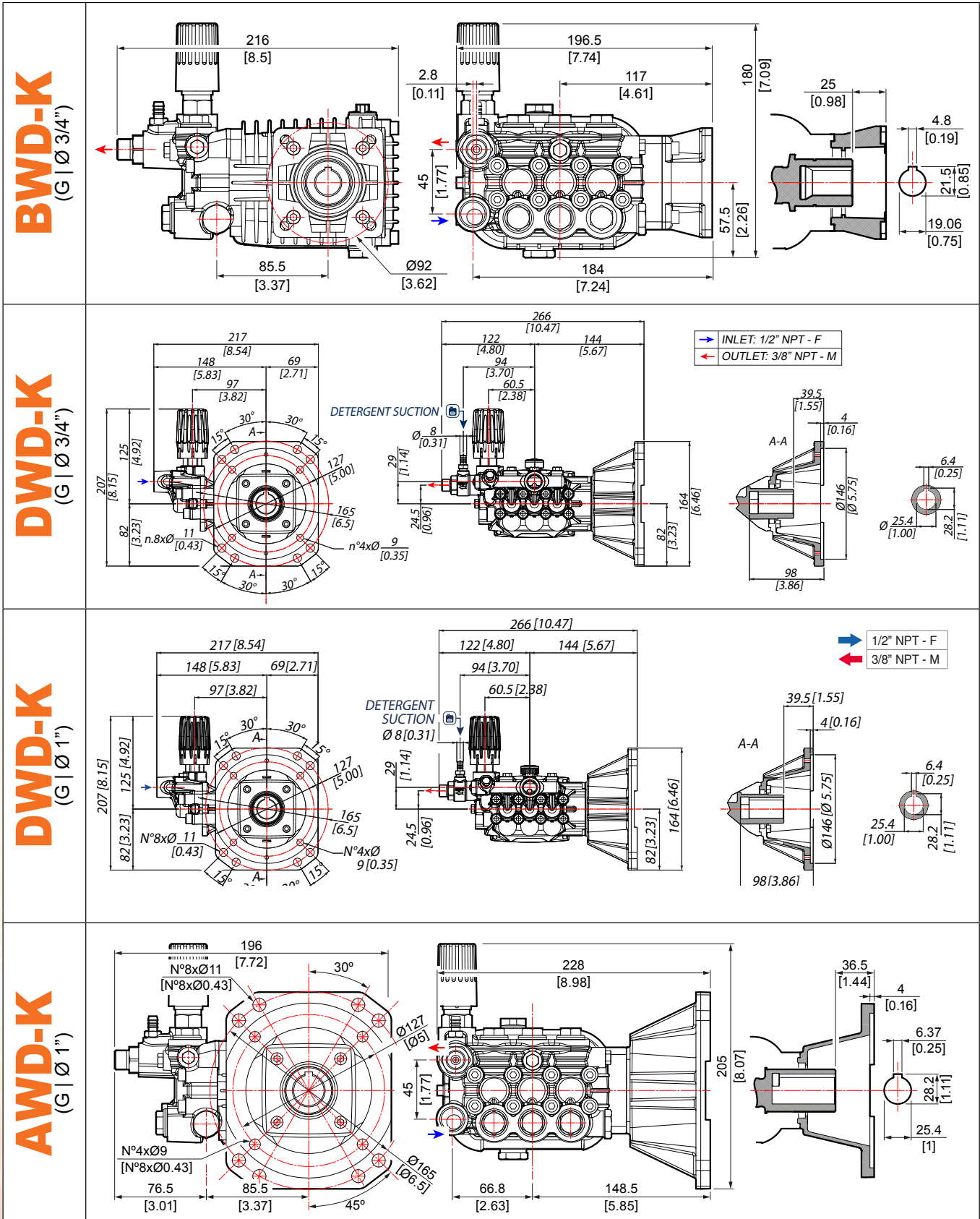
Triplex (Gas)

Fully Plumbed

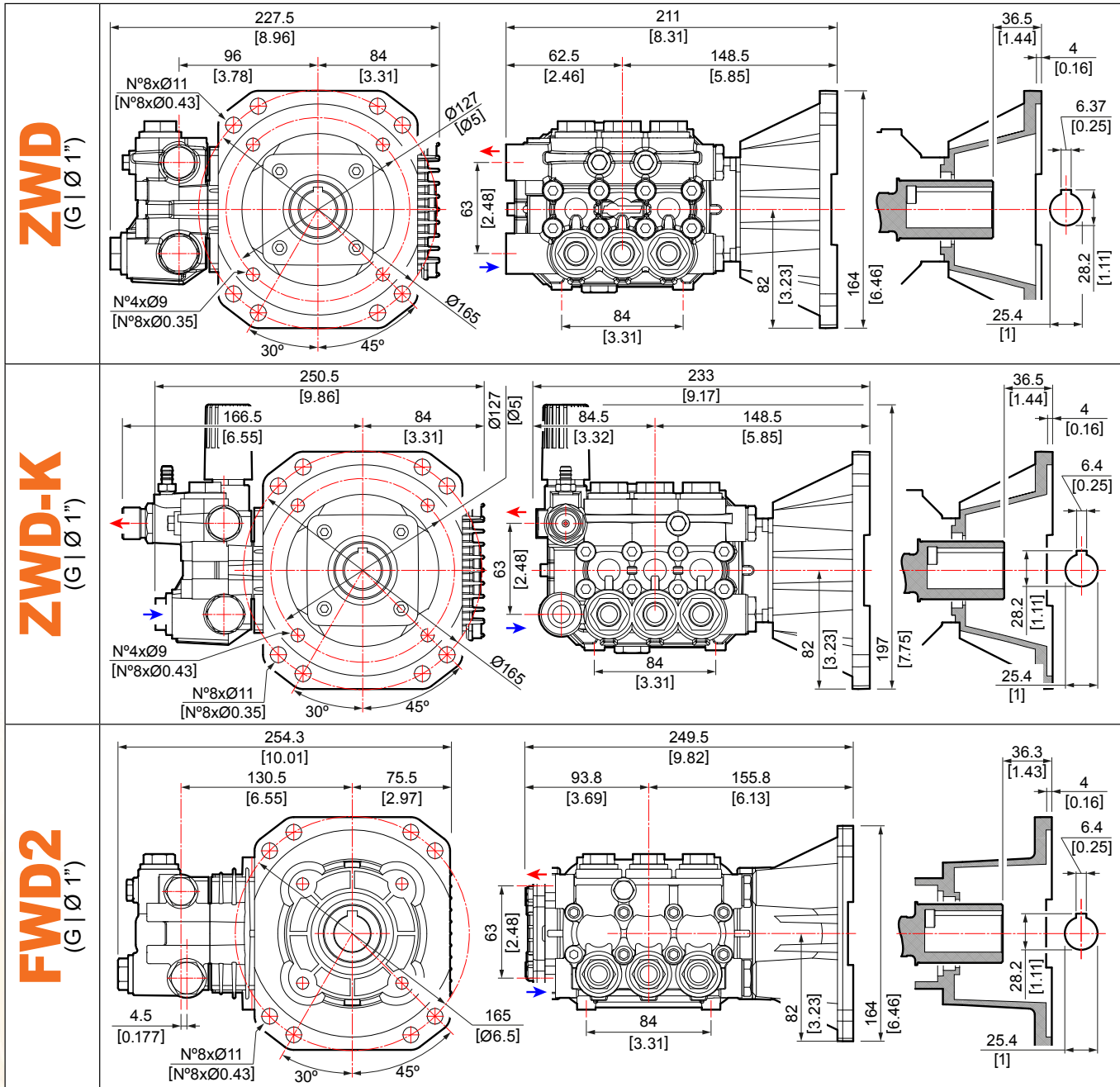
Hydraulic Pumps

Accessories

Resources



<p><b>EWD/EWD-K</b> (G   Ø 1")</p>		<p>Axial (Electric)</p>
<p><b>LWD</b> (G   Ø 3/4")</p>		<p>Axial (Gas)</p>
<p><b>LWD-K</b> (G   Ø 3/4")</p>		<p>Triplex (Solid)</p>
<p><b>ZWD</b> (G   Ø 3/4")</p>		<p>Triplex (Electric)</p>
		<p>Triplex (Gas)</p>
		<p>Fully Plumbed</p>
		<p>Hydraulic Pumps</p>
		<p>Accessories</p>
		<p>Resources</p>



**TORQUE SETTINGS Nm (Ft. Lb.)**

DESCRIPTION	BX	AX	BW	LW ZW	AW	FW	HW	FW2	RW	SW	TW	
Manifold Screw	25 (18,4)	25 (18,4)	10 (7,4)	10 (7,4)	<230 Bar 10 (7,4)	25 (18,4)	25 (18,4)	25 (18,4)	25 (18,4)	45 (33,2)	45 (33,2)	
Cap Valve (Aluminum Manifold)					>230 Bar 80 (59,0)							
Cap Valve (Brass Manifold)		35 (25,8)		40 (9,5)								Loctite 243
Bearings Flange Screw Opposite Shaft Side	45 (33,2)	45 (33,2)	45 (33,2)	<230 Bar 50 (36,9)	45 (33,2)	50 (36,9)	80 (59,0)	<230 Bar 50 (36,9)	<230 Bar 50 (36,9)	80 (59,0)		Loctite 243
Conn. Rod Screw				>230 Bar 60 (44,3)				>230 Bar 80 (59,0)	>230 Bar 80 (59,0)		<360 Bar 80 (59,0)	Loctite 243
Crankcase Cover Screw											>360 Bar 80 (59,0)	Loctite 270
Bearing flange Screw Shaft Side			4 (3,0)	4 (3,0)	4 (3,0)	9 (6,6)	9 (6,6)	9 (6,6)	9 (6,6)	25 (18,4)	25 (18,4)	
Piston Nut											25 (18,4)	Loctite 243
Eccentric Shaft Screw			9 (6,6)	9 (6,6)	9 (6,6)	4 (3,0)	4 (3,0)	4 (3,0)	4 (3,0)	9 (6,6)	9 (6,6)	
Crankcase Flange Screw			9 (6,6)	9 (6,6)	9 (6,6)	25 (18,4)	25 (18,4)	25 (18,4)	25 (18,4)	25 (18,4)	25 (18,4)	
			6 (4,4)	6 (4,4)	6 (4,4)	10 (7,4)	10 (7,4)	10 (7,4)	10 (7,4)	15 (11,1)	15 (11,1)	Loctite 243
		25 (18,4)										Loctite 243
	25 (18,4)	25 (18,4)										



# CONVERSION TABLES & FORMULAS

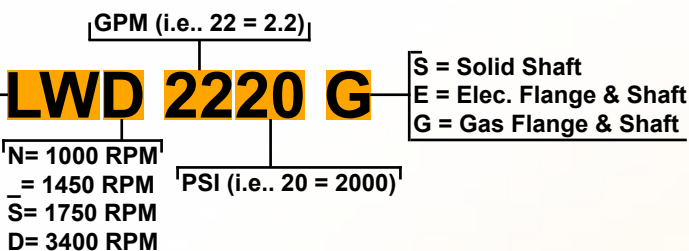
Weights & Volumes			Torque			Length Calculations		
Gal.	x 3.785	= Liters	NM	=	Ft./lb. x 1.35	.001 in.	x 25.4	= Microns
Gal.	x 128	= Ounces	Ft./lb.	=	NM / 1.35	In.	x 25.4	= MM
Gal.	x 231	= Cu. In.	In./lb.	=	Ft./lb. x 12	MM	x .03937	= Inches
Gal.	x 8.3453	= Pounds				Belt Length	= 2 x CD + D + d x 1.57	
Ltr.	x 61.02	= Cu. In.	<b>Temperatures</b>			<b>Nozzles</b>		
Ltr.	x 33.82	= Ounces	°C	=	.555(°F-32)	Nozzle #	=	GPM x $\left(\sqrt{\frac{4000}{\text{PSI}}}\right)$
Ltr.	x .2642	= Gallons	°F	=	(1.8°C)+32	GPM	=	Nozzle # x $\left(\sqrt{\frac{\text{PSI}}{4000}}\right)$
Ltr.	x 1000	= Cubic CM	<b>Required Horsepower</b>			PSI	=	4000 x $\left(\frac{\text{GPM}}{\text{Nozzle #}}\right)^2$
ML (CC)	x .0338	= Ounces	$\frac{\text{GPM x PSI}}{1460}$ = Elec. Brake HP			<b>Pulley Ratio</b>		
Gram	x .03527	= Ounces	$\frac{\text{GPM x PSI}}{1714}$ = Hydraulic HP			Motor Pulley OD	=	Pump RPM
PSI	x .0680	= bar	$\frac{\text{GPM x PSI}}{1100}$ = Gasoline HP			Pump RPM	=	Motor Pulley OD
Bar	x 14.5	= PSI						
In. HG	x .4912	= PSI						
In. H2O	x .8226	= In. HG						

Axial (Electric)  
 Axial (Gas)  
 Triplex (Solid)  
 Triplex (Electric)  
 Triplex (Gas)  
 Fully Plumbed  
 Hydraulic Pumps  
 Accessories  
 Resources

## Sample Pump Model Number

## LWD 2220 G

- BX = Small Axial
- BW = Small Frame
- VRX = Small Vertical
- AX = Large Axial
- AW = Small Frame
- LW = Small Frame
- ZW = Large Frame
- FW = Large Frame
- FW2 = Large Frame
- HW = Large Frame
- RW = Premium Series
- SW = Premium Series
- TW = Premium Series



### Sizing Chart for Hi-Lo Vari Nozzles

NOZZLE		PRESSURE - PSI											
#	Dia. mm	600	700	800	900	1000	1200	1500	1800	2000	2500	3000	3200
028	1.15	1.08	1.17	1.25	1.33	1.40	1.53	1.71	1.88	1.98	2.21	2.42	2.50
030	1.20	1.16	1.25	1.34	1.42	1.50	1.64	1.84	2.01	2.12	2.37	2.60	2.68
035	1.30	1.36	1.46	1.57	1.66	1.75	1.92	2.14	2.35	2.47	2.77	3.03	3.13
037	1.35	1.43	1.55	1.65	1.76	1.85	2.03	2.27	2.48	2.62	2.93	3.20	3.31
040	1.38	1.55	1.67	1.79	1.90	2.00	2.19	2.45	2.68	2.83	3.16	3.46	3.58
042	1.40	1.63	1.76	1.88	1.99	2.10	2.30	2.57	2.82	2.97	3.32	3.64	3.76
045	1.45	1.74	1.88	2.01	2.13	2.25	2.46	2.76	3.02	3.18	3.56	3.90	4.02
050	1.50	1.94	2.09	2.24	2.37	2.50	2.74	3.06	3.35	3.54	3.95	4.33	4.47
055	1.55	2.13	2.30	2.46	2.61	2.75	3.01	3.37	3.69	3.89	4.35	4.76	4.92
058	1.60	2.25	2.43	2.59	2.75	2.90	3.18	3.55	3.89	4.10	4.59	5.02	5.19
060	1.65	2.32	2.51	2.68	2.85	3.00	3.29	3.67	4.02	4.24	4.74	5.20	5.37
065	1.70	2.52	2.72	2.91	3.08	3.25	3.56	3.98	4.36	4.60	5.14	5.63	5.81

GALLONS PER MINUTE

### Nozzle size for Rotating Nozzles (GPM)

PSI	030	035	040	045	050	055	060	070	080	120
3000	2.60	3.03	3.46	3.90	4.33	4.76	5.20	6.06	6.93	10.39
3700	2.89	3.37	3.85	4.33	4.81	5.29	5.77	6.73	7.69	11.54
4000	3.00	3.50	4.00	4.50	5.00	5.50	6.00	7.00	8.00	12.00
4500	3.18	3.71	4.24	4.77	5.30	5.83	6.36	7.42	8.49	12.73
5000	3.35	3.91	4.47	5.03	5.59	6.15	6.71	7.83	8.94	13.42
5800	3.61	4.21	4.82	5.42	6.02	6.62	7.22	8.43	9.63	14.45

# NOZZLES FLOW CHART

NOZZLE SIZE



bar  
MPa  
Psi

	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500
	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150
	725	1450	2175	2900	3625	4350	5075	5800	6525	7250	8700	10150	11600	13050	14500	15950	17400	18850	20300	21750
01	1,63	2,30	2,82	3,25	3,64	3,98	4,30	4,60	4,88	5,14	5,63	6,09	6,51	6,90	7,27	7,63	7,97	8,29	8,61	8,91
	0,44	0,60	0,75	0,87	0,97	1,07	1,15	1,23	1,31	1,38	1,51	1,63	1,74	1,85	1,95	2,04	2,13	2,22	2,30	2,38
015	2,40	3,40	4,16	4,81	5,38	5,89	6,36	6,80	7,21	7,60	8,33	9,00	9,62	10,20	10,75	11,28	11,78	12,26	12,72	13,17
	0,64	0,90	1,11	1,29	1,44	1,58	1,70	1,82	1,93	2,03	2,23	2,41	2,57	2,73	2,88	3,02	3,15	3,28	3,40	3,52
02	3,25	4,60	5,63	6,51	7,27	7,97	8,61	9,20	9,76	10,29	11,27	12,17	13,01	13,80	14,55	15,26	15,93	16,59	17,21	17,82
	0,87	1,20	1,51	1,74	1,95	2,13	2,30	2,46	2,61	2,75	3,01	3,26	3,48	3,69	3,89	4,08	4,26	4,44	4,60	4,77
022	3,54	5,00	6,12	7,07	7,91	8,66	9,35	10,00	10,61	11,18	12,25	13,23	14,14	15,00	15,81	16,58	17,32	18,03	18,71	19,36
	0,95	1,32	1,64	1,89	2,12	2,32	2,50	2,68	2,84	2,99	3,28	3,54	3,78	4,01	4,23	4,44	4,63	4,82	5,01	5,18
025	4,03	5,70	6,98	8,06	9,01	9,87	10,66	11,40	12,09	12,75	13,96	15,08	16,12	17,10	18,02	18,90	19,75	20,55	21,33	22,08
	1,08	1,51	1,87	2,16	2,41	2,64	2,85	3,05	3,24	3,41	3,74	4,03	4,31	4,58	4,82	5,06	5,28	5,50	5,71	5,91
028	4,53	6,40	7,84	9,05	10,12	11,09	11,97	12,80	13,58	14,31	15,68	16,93	18,10	19,20	20,24	21,23	22,17	23,08	23,95	24,79
	1,21	1,69	2,10	2,42	2,71	2,97	3,20	3,42	3,63	3,83	4,19	4,53	4,84	5,14	5,41	5,68	5,93	6,17	6,41	6,63
03	4,81	6,80	8,33	9,62	10,75	11,78	12,72	13,60	14,42	15,21	16,66	17,99	19,23	20,40	21,50	22,55	23,56	24,52	25,44	26,34
	1,29	1,81	2,23	2,57	2,88	3,15	3,40	3,64	3,86	4,07	4,46	4,81	5,15	5,46	5,75	6,03	6,30	6,56	6,81	7,05
033	5,30	7,50	9,19	10,61	11,86	12,99	14,03	15,00	15,91	16,77	18,37	19,84	21,21	22,50	23,72	24,87	25,98	27,04	28,06	29,05
	1,42	1,99	2,46	2,84	3,17	3,48	3,75	4,01	4,26	4,49	4,92	5,31	5,68	6,02	6,35	6,66	6,95	7,23	7,51	7,77
035	5,66	8,00	9,80	11,31	12,65	13,86	14,97	16,00	16,97	17,89	19,60	21,17	22,63	24,00	25,30	26,53	27,71	28,84	29,93	30,98
	1,51	2,11	2,62	3,03	3,38	3,71	4,00	4,28	4,54	4,79	5,24	5,66	6,05	6,42	6,77	7,10	7,41	7,72	8,01	8,29
037	5,94	8,40	10,29	11,88	13,28	14,55	15,71	16,80	17,82	18,78	20,58	22,22	23,76	25,20	26,56	27,86	29,10	30,29	31,43	32,53
	1,59	2,23	2,75	3,18	3,55	3,89	4,20	4,49	4,77	5,03	5,50	5,95	6,36	6,74	7,11	7,45	7,79	8,10	8,41	8,70
04	6,43	9,10	11,15	12,87	14,39	15,76	17,02	18,20	19,30	20,35	22,29	24,08	25,74	27,30	28,78	30,18	31,52	32,81	34,05	35,24
	1,72	2,41	2,98	3,44	3,85	4,22	4,55	4,87	5,16	5,44	5,96	6,44	6,89	7,30	7,70	8,07	8,43	8,78	9,11	9,43
042	6,79	9,60	11,76	13,58	15,18	16,63	17,96	19,20	20,36	21,47	23,52	25,40	27,15	28,80	30,36	31,84	33,26	34,61	35,92	37,18
	1,82	2,53	3,15	3,63	4,06	4,45	4,81	5,14	5,45	5,74	6,29	6,80	7,26	7,71	8,12	8,52	8,90	9,26	9,61	9,95
045	7,28	10,30	12,61	14,57	16,29	17,84	19,27	20,60	21,85	23,03	25,23	27,25	29,13	30,90	32,57	34,16	35,68	37,14	38,54	39,89
	1,95	2,71	3,38	3,90	4,36	4,77	5,16	5,51	5,85	6,16	6,75	7,29	7,79	8,27	8,71	9,14	9,55	9,94	10,31	10,67
05	8,06	11,40	13,96	16,12	18,02	19,75	21,33	22,80	24,18	25,49	27,92	30,16	32,24	34,20	36,05	37,81	39,49	41,10	42,65	44,15
	2,16	3,01	3,74	4,31	4,82	5,28	5,71	6,10	6,47	6,82	7,47	8,07	8,63	9,15	9,64	10,12	10,57	11,00	11,41	11,81
053	8,56	12,10	14,82	17,11	19,13	20,96	22,64	24,20	25,67	27,06	29,64	32,01	34,22	36,30	38,26	40,13	41,92	43,63	45,27	46,86
	2,29	3,19	3,96	4,58	5,12	5,61	6,06	6,47	6,87	7,24	7,93	8,57	9,16	9,71	10,24	10,74	11,21	11,67	12,11	12,54
055	8,84	12,50	15,31	17,68	19,76	21,65	23,39	25,00	26,52	27,95	30,62	33,07	35,36	37,50	39,53	41,46	43,30	45,07	46,77	48,41
	2,36	3,31	4,10	4,73	5,29	5,79	6,26	6,69	7,09	7,48	8,19	8,85	9,46	10,03	10,58	11,09	11,58	12,06	12,51	12,95
06	9,69	13,70	16,78	19,37	21,66	23,73	25,63	27,40	29,06	30,63	33,56	36,25	38,75	41,10	43,32	45,44	47,46	49,40	51,26	53,06
	2,59	3,61	4,49	5,18	5,80	6,35	6,86	7,33	7,78	8,20	8,98	9,70	10,37	11,00	11,59	12,16	12,70	13,22	13,71	14,20
065	10,47	14,80	18,13	20,93	23,40	25,63	27,69	29,60	31,40	33,09	36,25	39,16	41,86	44,40	46,80	49,09	51,27	53,36	55,38	57,32
	2,80	3,91	4,85	5,60	6,26	6,86	7,41	7,92	8,40	8,85	9,70	10,48	11,20	11,88	12,52	13,13	13,72	14,28	14,82	15,34
070	11,31	16,00	19,60	22,63	25,30	27,71	29,93	32,00	33,94	35,78	39,19	42,33	45,25	48,00	50,60	53,07	55,43	57,69	59,87	61,97
	3,03	4,22	5,24	6,05	6,77	7,41	8,01	8,56	9,08	9,57	10,49	11,33	12,11	12,84	13,54	14,20	14,83	15,43	16,02	16,58
075	12,09	17,10	20,94	24,18	27,04	29,62	31,99	34,20	36,27	38,24	41,89	45,24	48,37	51,30	54,07	56,71	59,24	61,65	63,98	66,23
	3,24	4,52	5,60	6,47	7,23	7,92	8,56	9,15	9,71	10,23	11,21	12,10	12,94	13,73	14,47	15,17	15,85	16,50	17,12	17,72
080	12,87	18,20	22,29	25,74	28,78	31,52	34,05	36,40	38,61	40,70	44,58	48,15	51,48	54,60	57,55	60,36	63,05	65,62	68,10	70,49
	3,44	4,82	5,96	6,89	7,70	8,43	9,11	9,74	10,33	10,89	11,93	12,88	13,77	14,61	15,40	16,15	16,87	17,56	18,22	18,86
085	13,72	19,40	23,76	27,44	30,67	33,60	36,29	38,80	41,15	43,38	47,52	51,33	54,87	58,20	61,35	64,34	67,20	69,95	72,59	75,14
	3,67	5,12	6,36	7,34	8,21	8,99	9,71	10,38	11,01	11,61	12,71	13,73	14,68	15,57	16,41	17,21	17,98	18,71	19,42	20,10
090	14,50	20,50	25,11	28,99	32,41	35,51	38,35	41,00	43,49	45,84	50,21	54,24	57,98	61,50	64,83	67,99	71,01	73,91	76,70	79,40
	3,88	5,42	6,72	7,76	8,67	9,50	10,26	10,97	11,63	12,26	13,43	14,51	15,51	16,45	17,34	18,19	19,00	19,78	20,52	21,24
10	16,12	22,80	27,92	32,24	36,05	39,49	42,65	45,60	48,37	50,98	55,85	60,32	64,49	68,40	72,10	75,62	78,98	82,21	85,31	88,30
	4,31	6,02	7,47	8,63	9,64	10,57	11,41	12,20	12,94	13,64	14,94	16,14	17,25	18,30	19,29	20,23	21,13	21,99	22,82	23,63
12	19,37	27,40	33,56	38,75	43,32	47,46	51,26	54,80	58,12	61,27	67,12	72,49	77,50	82,20	86,65	90,88	94,92	98,79	102,52	106,12
	5,18	7,23	8,98	10,37	11,59	12,70	13,71	14,66	15,55	16,39	17,96	19,40	20,73	21,99	23,18	24,31	25,39	26,43	27,43	28,39
15	24,18	34,20	41,89	48,37	54,07	59,24	63,98	68,40	72,55	76,47	83,77	90,48	96,73	102,60	108,15	113,43	118,47	123,31	127,96	132,46
	6,47	9,03	11,21	12,94	14,47	15,85	17,12	18,30	19,41	20,46	22,41	24,21	25,88	27,45	28,93	30,35	31,70	32,99	34,24	35,44
20	32,24	45,60	55,85	64,49	72,10	78,98	85,31	91,20	96,73	101,96	111,70	120,65	128,98	136,80	144,20	151,24	157,96	164,41	170,62	176,61
	8,63	12,04	14,94	17,25	19,29	21,13	22,82	24,40	25,88	27,28	29,88	32,28	34,51	36,60	38,58	40,46	42,26	43,99	45,65	47,25



l/min  
US gpm

# WARRANTY

## PUMPS

The Comet pump is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use and service. "Normal use and service" means not in excess of the recommended maximum speeds, pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any pump which has been repaired or altered to affect the performance or reliability of the pump. Warranty does not apply to a) freight damage, b) freezing damage, c) damage caused by parts or accessories not obtained from or approved by Comet, d) damaged by misuse and/or misapplication, e) normal wear of moving parts or components affected by moving parts. Period of warranty on models; BW, LW, AW, GW, ZW, HW, FW2, RW, SW & TW shall be five years from date product is shipped from manufacturer's factory. Period of warranty on AXD models shall be two years and BXD, GXD & VRX models shall be one year from date product is shipped from manufacturer's factory. Period of warranty on HPP models shall be three years from date product is shipped from manufacturer's factory. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of manufacturer of that product, which according to the manufacturer's investigation was deemed defective at time of shipment. This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturers.

## ACCESSORIES

Comet pump accessories are warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use and service. Normal use and service means not in excess of the recommended maximum speeds, pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any accessory which has been repaired or altered. Warranty does not apply to a) freight damage, b) freezing damage, c) damage caused by parts or accessories not obtained from or approved by Comet, d) damaged by misuse and/or misapplication, e) normal wear of moving parts or components affected by moving parts. Period of warranty shall be 90 days from date product is shipped from manufacturer's factory. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of manufacturer of that product, which according to the manufacturer's investigation was deemed defective at time of shipment. This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturers.

## SALES POLICY

Possession of this catalog does not constitute the right to purchase products from Comet. Products are sold to qualified distributors and manufacturers only.

## PAYMENT TERMS

Open Account: Net 30 days upon approval of submitted Credit Application. Past Due Invoices: An invoice is determined to be past due 31 days after the invoice date. (All shipments are invoiced day of shipment.) You will be notified as a reminder of a past due invoice by the Comet credit department. Accounts with invoices 45 days old are automatically placed on credit hold. No shipments will be made until payment is received by Comet. Returned Checks: A \$25.00 fee will be charged on all returned checks.

## ORDER PROCEDURES

Comet's telephone order department is open from 8:00 AM to 5:00 PM Central Time, Monday through Friday, except for selected holidays. When placing an order by phone, please give the following information: Account No., Part Number, and Quantity Ordered. The Comet sales representative will read back the part number, quantity, description and price to eliminate errors. Please listen carefully to verify the correct items are being ordered. Comet is not responsible for shipping charges on items returned as a result of customers ordering a wrong item. Orders may be placed TOLL FREE by fax at 1-888-708-1895 or email (sales@cometpump.com), 24 hours a day, 7 days a week. We recommend this method of ordering to help eliminate ordering errors or misunderstandings. When ordering by fax or email, give the Part Number, Product Description, Quantity and Price. Special shipping instructions such as Next Day Air should be highlighted/circled for easy identification by our sales person. All shipping discrepancies must be notified within 5 working days after receipt of order.

## FREIGHT

All items will be shipped via UPS or common carrier unless otherwise specified by the customer. All orders will be sent prepaid and added to the invoice.

## WARRANTY ITEM RETURNS

Items returned for warranty consideration must have a Returned Goods Authorization (RGA) number and an RGA Claim Form. An RGA # and Claim Form may be obtained by calling the Warranty Department at 1-800-708-1894 (ext. 107). Fill out the form completely to ensure proper processing of warranty. All items sent to Comet must have an RGA number marked on the outside of the box as well as the RGA Claim Form. Goods must be returned within 30 days of issuance of an RGA #. After 30 days a new # will need to be given. Returned parts must be packaged properly and shipped via PREPAID FREIGHT. Any shipments received collect, without an RGA # or after the 30 days will be refused and returned at customer's expense. For claims covered under warranty, items will be shipped to customer via UPS Prepaid, or a credit will be applied to the account. For all repairable items NOT covered under warranty, a bill will be issued for parts and labor. Labor will be billed at \$60.00/hour. Prices are subject to change without notification.

List prices are FOB Paynesville, MN

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## PAGE 8 Axial Pumps - Electric

Pump Model	Old Part #	New Part #
VRX 2017 V	6511.0023.00	--
VRX 2022 V	6511.0004.00	31024-00001
VRX 2017 V	6511.0012.00	--
VRX 2022 V	6511.0017.00	--
VRX 2422 V	6511.0008.00	31024-00003

Kit Type	Old Part #	New Part #
Seal	5026.0265.00	10001-01936
Seal	5026.0256.00	10001-01928
Valve	5026.0263.00	10001-01935
Valve	5026.0257.00	10001-01929
Valve	1215.0342.00	10002-01143
Valve	1215.0335.00	10002-01136
Piston	5026.0260.00	10001-01932

## PAGE 9 Axial Pumps - Electric

Pump Model	Old Part #	New Part #
BXD 2020 E	6525.1010.00	31038-00013
BXD 2520 E	6525.1011.00	31038-00014
BXD 3020 E	6525.1012.00	31038-00015

Kit Type	Old Part #	New Part #
Seal	5019.0667.00	10001-01382
Seal	5019.0250.00	10001-01288
Valve	5025.0071.00	10001-01665
Unloader	1215.0585.00	10002-01336

## PAGE 10 Axial Pumps - Electric

Pump Model	Old Part #	New Part #
AXS 0415 E	6502.0009.00	31021-00009
AXS 0615 E	6502.0010.00	31021-00010
AXS 0915 E	6502.0005.00	31021-00005
AXS 1315 E	6502.0008.00	31021-00008
AXS 2015 E	6502.0006.00	31021-00006

Kit Type	Old Part #	New Part #
Seal	5019.0077.00	10001-01116
Seal	5019.0079.00	10001-01118
Valve	5026.0357.00	10001-02026
Unloader	1215.0584.00	10002-01335
Piston	2409.0092.00	10002-01695
Piston	2409.0156.00	10002-01709

## PAGE 11 Axial Pumps - Electric

Pump Model	Old Part #	New Part #
AXD 2020 E	6501.0038.00	31020-00027
AXD 2020 E	6501.0010.00	31020-00010
AXD 2020 E-T	6501.0098.00	31020-00070
AXD 2520 E	6501.0012.00	31020-00011
AXD 2527 GE	6501.0090.00	31020-00064

Kit Type	Old Part #	New Part #
Seal	5019.0077.00	10001-01116
Seal	5019.0079.00	10001-01118
Valve	5025.0014.00	10001-01610
Unloader	1215.0585.00	10002-01336
Piston	2409.0092.00	10002-01695

## PAGE 12 Axial Pumps - Gas

Pump Model	Old Part #	New Part #
VRX 2225 G	6511.0020.00	--
VRX 2522 G	6511.0005.00	31024-00002
VRX 2524 G	6511.0015.00	31024-00005
VRX 2527 G	6511.0025.00	31024-00009
VRX 2527 G7	6511.0033.00	31024-00013

Kit Type	Old Part #	New Part #
Seal	5026.0256.00	10001-01928
Seal	5019.0668.00	10001-01383
Valve	5026.0257.00	10001-01929
Valve	5026.0270.00	10001-01940
Valve	1215.0342.00	10002-01143
Piston	5026.0260.00	10001-01932

## PAGE 13 Axial Pumps - Gas

Pump Model	Old Part #	New Part #
BXD 2220 G	6525.1003.00	31038-00006
BXD 2525 G	6525.1001.00	31038-00004
BXD 2527 G	6525.1002.00	31038-00005
BXD 3020 G	6525.1004.00	31038-00007
BXD 3025 G	6525.1005.00	31038-00008

Kit Type	Old Part #	New Part #
Seal	5019.0667.00	10001-01382
Seal	5019.0250.00	10001-01288
Valve	5025.0071.00	10001-01665
Unloader	1215.0585.00	10002-01336

## PAGE 14 Axial Pumps - Gas

Pump Model	Old Part #	New Part #
AXD 2524 G-T	6501.0050.00	31020-00033
AXD 2524 G	6501.0051.00	31020-00034
AXD 2427 G	6501.0063.00	31020-00040
AXD 2527 G	6501.0025.00	31020-00020
AXD 2527 G-T	6501.0059.00	31020-00038
AXD 2527 G	6501.0065.00	31020-00042
AXD 3020 G	6501.0005.00	31020-00005
AXD 3025 G	6501.0006.00	31020-00006
AXD 3522 G	6501.0008.00	31020-00008
AXD 3525 G	6501.0017.00	31020-00015

Kit Type	Old Part #	New Part #
Seal	5019.0077.00	10001-01116
Seal	5019.0086.00	10001-01124
Seal	5019.0079.00	10001-01118
Valve	5025.0014.00	10001-01610
Unloader	1215.0585.00	10002-01336
Piston	2409.0092.00	10002-01695

## PAGE 15 Axial Pumps - Gas

Pump Model	Old Part #	New Part #
CXD 2530 G	6527.0004.00	--

Kit Type	Old Part #	New Part #
Valve	5025.0103.00	--
Valve	1215.0669.00	--
Gasket	5019.0776.00	--
Gasket	5019.0747.00	10001-09112
Gasket	5019.0748.00	10001-09110
Piston	2409.0311.00	10001-09109
Piston	2409.0346.00	--

## PAGE 18 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #
LW 0509 S	6300.1501.00	31044-00197
LW 1009 S	6300.1401.00	31044-00188
LW 1509 S	6300.1601.00	31044-00207
LW 2020 S	6300.0502.00	31044-00082
LW 3020 S	6300.0303.00	31044-00033
LW 3025 S	6300.0700.00	31044-00119
LW 3525 S	6300.0810.00	31044-00337

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0037.00	10001-01078
Seal	5019.0040.00	10001-01081
Seal	5019.0048.00	10001-01089
Seal	5019.0049.00	10001-01090
Seal	5019.0051.00	10001-01092
Seal	5019.0050.00	10001-01091
Valve	5025.0011.00	10001-01607
Valve	5026.0357.00	10001-02026
Piston	2409.0071.00	10002-01690
Piston	2409.0072.00	10002-01691
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

## PAGE 19 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #
LWS 0609 S	6301.2700.00	31001-00113
LWS 1809 S	6301.2600.00	31001-00109
LWS 2020 S	6301.0101.00	31001-00001
LWS 3020 S	6301.0601.00	31001-00022
LWS 3025 S	6301.1300.00	31001-00064
LWS 3525 S	6301.1208.00	31001-00053
LWS 3525 S	6301.1201.00	31001-00048
LWS 4020 S	6301.1400.00	31001-00072
LWS 1209 S	6301.2500.00	31001-00105

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0037.00	10001-01078
Seal	5019.0040.00	10001-01081
Seal	5019.0048.00	10001-01089
Seal	5019.0049.00	10001-01090
Seal	5019.0051.00	10001-01092
Seal	5019.0050.00	10001-01091
Valve	5025.0011.00	10001-01607
Valve	5026.0357.00	10001-02026
Piston	2409.0071.00	10002-01690
Piston	2409.0072.00	10002-01691
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

## PAGE 20 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #
LWD 3020 S	6303.0507.00	31003-00017
LWD 3025 S	6303.0702.00	31003-00041
LWD 3522 S	6303.0803.00	31003-00057

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0037.00	10001-01078
Seal	5019.0040.00	10001-01081
Seal	5019.0048.00	10001-01089
Seal	5019.0049.00	10001-01090
Seal	5019.0051.00	10001-01092
Seal	5019.0050.00	10001-01091
Valve	5025.0011.00	10001-01607
Piston	2409.0071.00	10002-01690
Piston	2409.0072.00	10002-01691
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546
Rail	5011.0216.00	10001-00546

**PAGE 21**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
ZW 3030 S	6307.0800.00	31006-00087
ZW 4025 S	6307.0200.00	31006-00016
ZW 4030 S	6307.0500.00	31006-00060

Kit Type	Old Part #	New Part #
Seal	5019.0652.00	--
Seal	5019.0048.00	10001-01089
Seal	5019.0040.00	10001-01081
Seal	5019.0051.00	10001-01092
Seal	5019.0711.00	10001-01423
Valve	5025.0011.00	10001-01607
Piston	2409.0071.00	10002-01690
Piston	2409.0124.00	10002-01702
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

**PAGE 25**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
RWS 3030 S	6518.0100.00	31031-00001
RWS 3035 S	6518.1000.00	31031-00044
RWS 3530 S	6518.0200.00	31031-00003
RWS 3540 S	6518.1101.00	31031-00046
RWS 4030 S	6518.0400.00	31031-00011
RWS 4040 S	6518.1201.00	31031-00049
RWS 4530 S	6518.0500.00	31031-00024
RWS 4540 S	6518.1301.00	31031-00058
RWS 5030 S	6518.0600.00	31031-00026
RWS 5040 S	6518.1401.00	31031-00062
RWS 5530 S	6518.0700.00	31031-00032
RWS 5535 S	6518.1500.00	31031-00064
RWS 6020 S	6518.0800.00	31031-00038
RWS 6040 S	6518.0801.00	31031-00039
RWS 6520 S	6518.0900.00	31031-00043
RWS 7020 S	6518.1600.00	31031-00065
RWS 8022 S	6518.2000.00	31031-00069
RWS 8522 S	6518.2100.00	31031-00071
RWS 9518 S	6518.2200.00	31031-00072
RWS 10018 S	6518.2300.00	31031-00073

Kit Type	Old Part #	New Part #
Seal	5019.0675.00	10001-01390
Seal	5019.0673.00	10001-01388
Seal	5019.0672.00	10001-01387
Seal	5019.0674.00	10001-01389
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0146.00	10002-01706
Piston	2409.0145.00	00016-00330
Rail	5011.0229.00	10001-00559
Rail	5011.0257.00	10001-00587

**PAGE 22**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
FW2 3530 S	6410.0200.00	31016-00049
FW2 3540 S	6410.0900.00	31016-00113
FW2 4030 S	6410.0100.00	31016-00001
FW2 4040 S	6410.0700.00	31016-00103
FW2 4540 S	6410.0800.00	31016-00107
FW2 5030 S	6410.0300.00	31016-00052
FW2 5522 S	6410.0400.00	31016-00060
FW2 5530 S	6410.0500.00	31016-00080

Kit Type	Old Part #	New Part #
Seal	5019.0218.00	10001-01256
Seal	5019.0247.00	10001-01285
Seal	5019.0039.00	10001-01080
Seal	5019.0219.00	10001-01257
Seal	5019.0048.00	10001-01089
Seal	5019.0669.00	10001-01384
Seal	5019.0703.00	10001-01417
Seal	5019.0054.00	10001-01095
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Pist	2409.0073.00	10002-01692
Pist	2409.0074.00	10002-01693
Rail	5011.0185.00	10001-00521
Rail	5011.0216.00	10001-00546

**PAGE 23**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
FWS2 3530 S	6411.0100.00	31017-00001
FWS2 4030 S	6411.0200.00	31017-00008
FWS2 4040 S	6411.1100.00	31017-00048
FWS2 4530 S	6411.0300.00	31017-00025
FWS2 5040 S	6411.1200.00	31017-00051
FWS2 5525 S	6411.0600.00	31017-00034
FWS2 5530 S	6411.0700.00	31017-00038
FWS2 6030 S	6411.1400.00	31017-00053

Kit Type	Old Part #	New Part #
Seal	5019.0218.00	10001-01256
Seal	5019.0247.00	10001-01285
Seal	5019.0039.00	10001-01080
Seal	5019.0219.00	10001-01257
Seal	5019.0048.00	10001-01089
Seal	5019.0054.00	10001-01095
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0073.00	10002-01692
Piston	2409.0074.00	10002-01693
Rail	5011.0185.00	10001-00521
Rail	5011.0216.00	10001-00546

**PAGE 26**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
SW 4040 S	6515.0100.00	31028-00001
SW 5540 S	6515.0200.00	31028-00004
SWS 4040 S	6516.0100.00	31029-00001
SWS 5025 S	6516.0200.00	31029-00003

Kit Type	Old Part #	New Part #
Seal	5019.0650.00	10001-01365
Seal	5019.0648.00	10001-01363
Seal	5019.0670.00	10001-01385
Seal	5019.0665.00	10001-01380
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0074.00	10002-01693
Rail	5011.0214.00	--
Rail	5011.0278.00	10001-00607

**PAGE 24**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
RW 3540 S	6517.1001.00	31030-00101
RW 4030 S	6517.0100.00	31030-00001
RW 4035 S	6517.1100.00	31030-00106
RW 4040 S	6517.1400.00	31030-00137
RW 4540 S	6517.1101.00	31030-00107
RW 5030 S	6517.0600.00	31030-00038
RW 5040 S	6517.1201.00	31030-00123
RW 5530 S	6517.0800.00	31030-00064
RW 5535 S	6517.1300.00	31030-00126
RW 5535 S	6517.1309.00	10002-01693
RW 6030 S	6517.0900.00	31030-00095
RW 6522 S	6517.1700.00	31030-00156
RW 7522 S	6517.1800.00	31030-00157
RW 8018 S	6517.1900.00	31030-00161
RW 8515 S	6517.2000.00	31030-00163
RW 9518 S	6517.2100.00	31030-00164

Kit Type	Old Part #	New Part #
Seal	5019.0675.00	10001-01390
Seal	5019.0673.00	10001-01388
Seal	5019.0672.00	10001-01387
Seal	5019.0674.00	10001-01389
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0146.00	10002-01706
Piston	2409.0074.00	10002-01693
Rail	5011.0229.00	10001-00559
Rail	5011.0257.00	10001-00587

**PAGE 27**

**Triplex Pumps - Solid**

Pump Model	Old Part #	New Part #
TWN 6036 S	6512.0100.00	31025-00001
TWN 7025 S	6512.0200.00	31025-00006
TWN 8025 S	6512.0300.00	31025-00007

Kit Type	Old Part #	New Part #
Seal	5019.0647.00	10001-01362
Seal	5019.0678.00	10001-01393
Valve	5025.0020.00	10001-01616
Piston	2409.0115.00	10002-01698
Rail	5011.0214.00	--
Rail	5011.0278.00	10001-00607

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## PAGE 28 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
TW 4550 S	6513.0400.00	31026-00014	Seal	5019.0645.00	10001-01360
TW 5050 S	6513.1300.00	31026-00068	Seal	5019.0646.00	10001-01361
TW 5550 S	6513.0300.00	31026-00001	Seal	5019.0647.00	10001-01362
TW 7036 S	6513.0700.00	31026-00023	Seal	5019.0284.00	10001-01322
TW 8036 S	6513.4001.00	31026-00170	Seal	5019.0678.00	10001-01393
TW 8030 S	6513.1400.00	31026-00077	Seal	5019.0649.00	10001-01364
TW 8036 S	6513.0900.00	31026-00035	Valve	5025.0020.00	10001-01616
TW 8040 S	6513.1700.00	31026-00106	Valve	5025.0021.00	10001-01617
TW 10025 S	6513.1000.00	31026-00045	Piston	2409.0116.00	10002-01699
TW 11025 S	6513.1200.00	31026-00051	Piston	2409.0114.00	10002-01697
TW 11030 S	6513.1212.00	31026-00062	Piston	2409.0115.00	10002-01698
TW 13022 S	6513.2400.00	31026-00142	Piston	2409.0292.00	10002-01716
TW 14022 S	6513.2600.00	31026-00146	Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607

## PAGE 32 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
RW 4030 S	6517.0102.00	31030-00003	Seal	5019.0690.00	--
RW 5530 S	6517.0803.00	31030-00067	Seal	5019.0676.00	10001-01391
RW 5535 S	6517.1301.00	31030-00127	Seal	5019.0674.00	10001-01389
RW 6030 S	6517.0902.00	31030-00097	Valve	5025.0011.00	10001-01607
			Valve	5025.0025.00	10001-01621
			Piston	2409.0145.00	00016-00330
			Rail	5011.0229.00	10001-00559
			Rail	5011.0257.00	10001-00587

## PAGE 29 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
TWS 5050 S	6514.1000.00	31027-00025	Seal	5019.0645.00	10001-01360
TWS 5550 S	6514.0100.00	31027-00001	Seal	5019.0646.00	10001-01361
TWS 5550 S	6514.0101.00	31027-00003	Seal	5019.0647.00	10001-01362
TWS 7040 S	6514.0500.00	31027-00005	Seal	5019.0678.00	10001-01393
TWS 8035 S	6514.0600.00	31027-00011	Seal	5019.0649.00	10001-01364
TWS 8035 S	6514.0601.00	31027-00013	Valve	5025.0020.00	10001-01616
TWS 9030 S	6514.0700.00	31027-00016	Valve	5025.0021.00	10001-01617
TWS 10030 S	6514.1100.00	31027-00032	Piston	2409.0116.00	10002-01699
TWS 13020 S	6514.0900.00	31027-00023	Piston	2409.0114.00	10002-01697
			Piston	2409.0115.00	10002-01698
			Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607

## PAGE 33 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
SW 4040 S	6515.0102.00	31028-00003	Seal	5019.0650.00	10001-01365
SW 5540 S	6515.0204.00	31028-00008	Seal	5019.0670.00	10001-01385
			Seal	5019.0665.00	10001-01380
			Valve	5025.0011.00	10001-01607
			Valve	5025.0025.00	10001-01621
			Piston	2409.0074.00	10002-01693
			Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607

## PAGE 30 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
TW 3570 S	6513.2000.00	31026-00127	Seal	5019.0228.00	10001-01266
TW 4070 S	6513.1801.00	31026-00110	Seal	5019.0229.00	10001-01267
TW 4073 S	6513.1808.00	31026-00113	Valve	5025.0050.00	10001-01644
TW 4570 S	6513.2100.00	--	Piston	2409.0116.00	10002-01699
TW 5073 S	6513.1904.00	--	Rail	5011.0214.00	--
TW 5570 S	6513.1500.00	--	Rail	5011.0278.00	10001-00607
			Manifold	3300.0185.00	10002-02671

## PAGE 34 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
SWS 4040 S	6516.0101.00	31029-00002	Seal	5019.0650.00	10001-01365
			Seal	5019.0670.00	10001-01385
			Seal	5019.0665.00	10001-01380
			Valve	5025.0011.00	10001-01607
			Piston	2409.0074.00	10002-01693
			Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607

## PAGE 31 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
TW 4073 S	6514.1201.00	31027-00035	Seal	5019.0228.00	10001-01266
TW 4070 S	6514.1302.00	31027-00038	Seal	5019.0229.00	10001-01267
TWS 5073 S	6514.1402.00	--	Valve	5025.0050.00	10001-01644
TWS 6073 S	6514.1502.00	--	Piston	2409.0116.00	10002-01699
TWS 7073 S	6514.1602.00	--	Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607
			Manifold	3300.0185.00	10002-02671

## PAGE 35 Triplex Pumps - Solid

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
TW 8030 S	6513.1401.00	31026-00078	Seal	5019.0654.00	10001-01369
TW 8036 S	6513.0902.00	31026-00037	Seal	5019.0655.00	10001-01370
TW 11025 S	6513.1201.00	31026-00052	Seal	5019.0678.00	10001-01393
			Seal	5019.0649.00	10001-01364
			Seal	5019.0662.00	10001-01377
			Seal	5019.0663.00	10001-01378
			Valve	5025.0020.00	10001-01616
			Piston	2409.0114.00	10002-01697
			Piston	2409.0115.00	10002-01698
			Rail	5011.0214.00	--
			Rail	5011.0278.00	10001-00607

## PAGE 36 Triplex Pumps - Electric

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
BWD-K 2020 E	6521.0450.00	31034-00019	Seal	5019.0684.00	10001-01399
BWD-K 3020 E	6521.0251.00	31034-00008	Seal	5019.0685.00	10001-01400
			Valve	5025.0030.00	10001-01626
			Unloader	1215.0585.00	10002-01336

**PAGE 37** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
LWS-K 3020 E	6301.0654.00	31001-00035

Kit Type	Old Part #	New Part #
Seal	5019.0037.00	10001-01078
Seal	5019.0041.00	10001-01082
Seal	5019.0049.00	10001-01090
Seal	5019.0050.00	10001-01091
Valve	5025.0011.00	10001-01607
Unloader	1215.0585.00	10002-01336
Unloader	5026.0130.00	10001-01817
Unloader	5026.0123.00	10001-01810
Piston	2409.0072.00	10002-01691
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

**PAGE 41** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
FWS2 3030 E	6411.0900.00	31017-00045
FWS2 3530 E	6411.0101.00	31017-00002
FWS2 4030 E	6411.0201.00	31017-00010
FWS2 4530 E	6411.0301.00	31017-00026
FWS2 5030 E	6411.0400.00	31017-00028
FWS2 5530 E	6411.0701.00	31017-00040

Kit Type	Old Part #	New Part #
Seal	5019.0218.00	10001-01256
Seal	5019.0039.00	10001-01080
Seal	5019.0257.00	10001-01295
Seal	5019.0048.00	10001-01089
Seal	5019.0669.00	10001-01384
Seal	5019.0703.00	10001-01417
Seal	5019.0054.00	10001-01095
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0073.00	10002-01692
Piston	2409.0074.00	10002-01693
Rail	5011.0185.00	10001-00521
Rail	5011.0216.00	10001-00546

**PAGE 38** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
LWD-K 2020 E	6303.0156.00	31003-00005
LWD-K 2000 E-K	6303.0161.00	31003-00008

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0041.00	10001-01082
Seal	5019.0048.00	10001-01089
Seal	5019.0051.00	10001-01092
Valve	5025.0011.00	10001-01607
Unloader	1215.0585.00	10002-01336
Unloader	5026.0130.00	10001-01817
Unloader	5026.0123.00	10001-01810
Piston	2409.0071.00	10002-01690
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

**PAGE 42** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
FWD2 4530 E	6412.0100.00	31018-00001
FWD2 4540 E	6412.0301.00	31018-00009
FWD2 5030 E	6412.0202.00	31018-00005
FWD2 5040 E	6412.0401.00	31018-00011

Kit Type	Old Part #	New Part #
Seal	5019.0218.00	10001-01256
Seal	5019.0247.00	10001-01285
Seal	5019.0045.00	10001-01086
Seal	5019.0048.00	10001-01089
Seal	5019.0669.00	10001-01384
Seal	5019.0703.00	10001-01417
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0073.00	10002-01692
Rail	5011.0185.00	10001-00521
Rail	5011.0216.00	10001-00546

**PAGE 39** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
LWS 0409 GE	6301.2300.00	31001-00102
LWS 0609 E	6301.2701.00	31001-00114
LWS 1209 E	6301.2501.00	31001-00106
LWS 1809 E	6301.2601.00	31001-00110
LWS 1809 E	6301.2602.00	31001-00111
LWS 2020 E	6301.0102.00	31001-00003
LWS 3020 E	6301.0604.00	31001-00025
LWS 3520 E	6301.0602.00	31001-00024

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0041.00	10001-01082
Seal	5019.0048.00	10001-01089
Seal	5019.0051.00	10001-01092
Valve	5025.0011.00	10001-01607
Unloader	1215.0585.00	10002-01336
Unloader	5026.0130.00	10001-01817
Unloader	5026.0123.00	10001-01810
Piston	2409.0071.00	10002-01690
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

**PAGE 43** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
RWS 3040 E	6518.1700.00	--
RWS 3530 E	6518.0201.00	--
RWS 4030 E	6518.0401.00	--
RWS 4040 E	6518.1202.00	--
RWS 4530 E	6518.0501.00	--
RWS 5030 E	6518.0601.00	--
RWS 5035 E	6518.1402.00	--
RWS 5530 E	6518.0701.00	--

Kit Type	Old Part #	New Part #
Seal	5019.0679.00	10001-01394
Seal	5019.0672.00	10001-01387
Seal	5019.0674.00	10001-01389
Valve	5025.0011.00	10001-01607
Valve	5025.0025.00	10001-01621
Piston	2409.0074.00	10002-01693
Rail	5011.0229.00	10001-00559
Rail	5011.0257.00	10001-00587

**PAGE 40** Triplex Pumps - Electric

Pump Model	Old Part #	New Part #
LWD 2020 E	6303.0105.00	31003-00003
LWD 3020 E	6303.0509.00	31003-00019
LWD 3522 E	6303.0806.00	31003-00059
LWD 3522 GE	6303.0804.00	31003-00058

Kit Type	Old Part #	New Part #
Seal	5019.0035.00	10001-01076
Seal	5019.0041.00	10001-01082
Seal	5019.0048.00	10001-01089
Seal	5019.0051.00	10001-01092
Valve	5025.0011.00	10001-01607
Piston	2409.0071.00	10002-01690
Rail	5011.0184.00	--
Rail	5011.0216.00	10001-00546

**PAGE 44** Triplex Pumps - Gas

Pump Model	Old Part #	New Part #
BWD-K 2527 G	6521.0150.00	31034-00002
BWD-K 3027 G	6521.0356.00	31034-00031

Kit Type	Old Part #	New Part #
Seal	5019.0686.00	10001-01401
Seal	5019.0685.00	10001-01400
Valve	5025.0030.00	10001-01626
Unloader	1215.0586.00	10002-01337

Axial  
(Electric)

Axial  
(Gas)

Triplex  
(Solid)

Triplex  
(Electric)

Triplex  
(Gas)

Fully  
Plumbed

Hydraulic  
Pumps

Accessories

Resources

## PAGE 45 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
DWD-K 2530 G	6312.0450.00	31009-00007	Seal	5019.0766.00	10001-01465
DWD-K 3036 G	6312.0250.00	31009-00005	Seal	5019.0767.00	10001-01466
DWD-K 3536 G	6312.0151.00	31009-00002	Seal	5019.0768.00	10001-01467
			Valve	5025.0098.00	10001-01687

## PAGE 46 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
AWD-K 3030 G	6520.0150.00	31033-00001	Seal	5019.0686.00	10001-01401
AWD-K 3530 G	6520.0250.00	31033-00003	Seal	5019.0687.00	10001-01402
AWD-K 4030 G	6520.0350.00	31033-00007	Valve	5025.0030.00	10001-01626
AWD-K 4036 G	6520.0450.00	31033-00008	Unloader	1215.0586.00	10002-01337

## PAGE 47 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
EWD-K 3535 G	6311.0350.00	31008-00025	Seal	5019.0708.00	10001-01422
EWD 4042 G	6311.0103.00	31008-00004	Seal	5019.0285.00	10001-01323
EWD-K 4042 G	6311.0162.00	31008-00018	Valve	5025.0075.00	10001-01669
			Piston	2409.0362.00	10002-15159

## PAGE 48 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
LWD 2020 G	6303.0104.00	31003-00002	Seal	5019.0035.00	10001-01076
LWD 2520 G	6303.1600.00	31003-00073	Seal	5019.0041.00	10001-01082
LWD 2525 G	6303.1700.00	31003-00077	Seal	5019.0048.00	10001-01089
LWD 3027 G	6303.0707.00	31003-00045	Seal	5019.0051.00	10001-01092
LWD 3020 G	6303.0508.00	31003-00018	Valve	5025.0011.00	10001-01607
LWD 3025 G	6303.0701.00	31003-00040	Piston	2409.0071.00	10002-01690
LWD 3522 G	6303.0802.00	31003-00056	Rail	5011.0184.00	--
			Rail	5011.0216.00	10001-00546

## PAGE 49 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
LWD-K 2020 G	6303.0157.00	31003-00006	Seal	5019.0035.00	10001-01076
LWD-K 2520 G	6303.1652.00	31003-00075	Seal	5019.0041.00	10001-01082
LWD-K 2525 G	6303.1750.00	31003-00078	Seal	5019.0048.00	10001-01089
LWD-RF 2527 G	6303.2100.00	31003-00081	Seal	5019.0051.00	10001-01092
LWD-K 3020 G	6303.0558.00	31003-00026	Valve	5025.0011.00	10001-01607
LWD-K 3025 G	6303.0754.00	31003-00050	Unloader	1215.0585.00	10002-01336
			Unloader	5026.0130.00	10001-01817
			Unloader	5026.0123.00	10001-01810
			Piston	2409.0071.00	10002-01690
			Rail	5011.0184.00	--
			Rail	5011.0216.00	10001-00546

## PAGE 50 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
ZWD 2535 G	6305.1900.00	31004-00091	Seal	5019.0064.00	10001-01104
ZWD 3030 G	6305.0104.00	31004-00004	Seal	5019.0048.00	10001-01089
			Seal	5019.0065.00	10001-01105
			Seal	5019.0051.00	10001-01092
			Seal	5019.0711.00	10001-01423
			Valve	5025.0011.00	10001-01607
			Piston	2409.0071.00	10002-01690
			Rail	5011.0184.00	--
			Rail	5011.0216.00	10001-00546

## PAGE 51 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
ZWD 3035 G	6305.1600.00	31004-00082	Seal	5019.0064.00	10001-01104
ZWD 3040 G	6305.1100.00	31004-00067	Seal	5019.0048.00	10001-01089
ZWD 3535 G	6305.1700.00	31004-00085	Seal	5019.0065.00	10001-01105
ZWD 3540 G	6305.1000.00	31004-00052	Seal	5019.0289.00	10001-01327
ZWD 4035 G	6305.1800.00	31004-00089	Seal	5019.0051.00	10001-01092
ZWD 4040 G	6305.0900.00	31004-00037	Seal	5019.0711.00	10001-01423
ZWD 4530 G	6305.2100.00	31004-00092	Valve	5025.0011.00	10001-01607
ZWD 5030 G	6305.2400.00	31004-00093	Valve	5025.0025.00	10001-01621
ZWD 5530 G	6305.2500.00	31004-00095	Piston	2409.0071.00	10002-01690
			Piston	2409.0124.00	10002-01702
			Rail	5011.0184.00	--
			Rail	5011.0216.00	10001-00546

## PAGE 52 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
ZWD-K 3035 G	6305.1650.00	31004-00084	Seal	5019.0064.00	10001-01104
ZWD-K 3535 G	6305.1750.00	31004-00087	Seal	5019.0048.00	10001-01089
ZWD-K 3540 G	6305.1052.00	31004-00057	Seal	5019.0065.00	10001-01105
ZWD-K 4035 G	6305.1850.00	31004-00090	Seal	5019.0051.00	10001-01092
ZWD-K 4040 G	6305.1503.00	31004-00079	Seal	5019.0711.00	10001-01423
			Unloader	1215.0586.00	10002-01337
			Valve	5025.0011.00	10001-01607
			Piston	2409.0071.00	10002-01690
			Rail	5011.0184.00	--
			Rail	5011.0216.00	10001-00546

## PAGE 53 Triplex Pumps - Gas

Pump Model	Old Part #	New Part #	Kit Type	Old Part #	New Part #
FWD2 4530 G	6412.0101.00	31018-00002	Seal	5019.0045.00	10001-01086
FWD2 4540 G	6412.0300.00	31018-00007	Seal	5019.0049.00	10001-01090
FWD2 5030 G	6412.0201.00	31018-00004	Seal	5019.0050.00	10001-01091
FWD2 5040 G	6412.0400.00	31018-00010	Seal	5019.0218.00	10001-01256
FWD2 5540 G	6412.0500.00	31018-00012	Seal	5019.0247.00	10001-01285
			Valve	5025.0011.00	10001-01607
			Valve	5025.0025.00	10001-01621
			Piston	2409.0073.00	10002-01692
			Rail	5011.0185.00	10001-00521
			Rail	5011.0216.00	10001-00546