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COMET SPA, A WORLD RENOWNED COMPANY

Comet Spa is an international business founded on the strength of a world renowned brand. With 3 production sites, many branches and numerous distributors, Comet works in more than 80 countries around the globe.

Comet holds a first level position in the sector of piston pumps for water, thanks to particularly cutting edge construction solutions. The strategic evolution of its Industrial Division contemplates the introduction of innovative products to expand its presence in new business sectors.

Comet’s benchmark role is demonstrated not only by its production volumes, but also by the far-reaching, authoritative presence around the world which makes it one of the leading names in the sector
Product excellence with the spirit of innovation

RESEARCH AND DEVELOPMENT OF NEW PRODUCTS TO SATISFY THE NEEDS OF BOTH MARKET AND CUSTOMERS

Comet puts 52% of its investments into Research & Development with particular emphasis on “Total Excellence”, understood not merely as product excellence but also as service excellence and continuous staff training.

In line with this concept, the development of new solutions is based on the accurate identification of reference targets, designing products not merely for their own sake and for one’s own business, but as the central nucleus of many services that customers can, and must, benefit from.

COMET, A WORLD PLAYER READY TODAY TO WIN TOMORROW’S CHALLENGES

Total customer satisfaction is the foundation of Comet Spa’s mission.

This is achieved through the development of clear strategic guidelines for:
- Increased competitiveness
- Product excellence
- Constant improvement of quality and service

Innovation is the main route to staying ahead of and satisfying the needs of the end customer, successfully interpreting the rapid evolutions of technologies and standards.
Comet plunger pumps
Operation and composition

Comet plunger pumps fall into the category of reciprocating positive displacement plunger pumps, i.e., equipped with technical features whereby the flow of liquid occurs by virtue of changes in one or more capacities which, alternately, convey the liquid back and forth. The difference between maximum and minimum volume of the variable capacity represents the theoretical volume of the pumped liquid.

Comet plunger pumps are divided into two categories:

1) Inline (or Triplex) plunger pumps
2) Axial plunger pumps

Both types of pumps are essentially made up of two fundamental constructive elements, assembled together in a fixed way:

- the head, which contains the hydraulic part of the pump
- the crankcase, which contains the mechanical-kinematic part (oil bath).

The other main elements, common to both categories of pumps, are:

- the hydraulic seal system on the pistons, consisting of pumping pistons, rings and seals
- the suction and delivery valves

These parts are all located in the head

The main difference between the two types of plunger pumps (inline and axial) is constituted by the mechanical-kinematic part, which determines the reciprocating motion of the pistons.

**Inline (Triplex) plunger pump**

The Comet inline (Triplex) plunger pump features three pumping elements, arranged along parallel axes lying on the same horizontal plane. Each of the above pumping elements consists of a piston (made up of a “drive” section and a “pumping” section), 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 then 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.

Each pumping element is made as described below. 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.

To the drive piston is connected 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.

1. Head  
2. Crankcase  
3. Shaft  
4. Bearings  
5. Drive piston  
6. Pin  
7. Connecting rod  
8. Eccentric  
9. Bushing (Pumping piston)  
10. Nut
**Axial plunger pump**

The Comet axial plunger pump always features three pumping elements, arranged in parallel axes in this case on three equidistant generators of a geometric cylinder. Each of the above pumping elements consists of a piston (made up, in this case too, of a “drive” section and a “pumping” section) driven in a reciprocating manner by a tilted-plate thrust system and by a spring return system. The pumping piston is always 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 the thrust to the drive piston by means of a coupling attachment (or sheet) which acts on the end of the piston itself by the interposition of an axial bearing between the coupling attachment and 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 sliding.
Sealing system on pumping pistons

The sealing system, on both types of pumps, is essentially made up of two gaskets: a high-pressure gasket, with the function of sealing the pumped liquid, and a low-pressure gasket, with the function of sealing any liquid leaking out of the high-pressure gasket.

The two gaskets are spaced apart, with the interposition of an annular chamber which is in communication, via a connecting hole, with the intake manifold. This constructive configuration has two functions:

- to create a recovery tank for the possible leakage of liquid out of the high-pressure gasket, preventing this from reaching the outside
- to ensure the presence of liquid between the two gaskets, including in the absence of leakage out of the high-pressure gasket; this keeps the low-pressure gasket wet and therefore prevents it from overheating in the absence of lubrication.

Other accessory gasket parts are generally also a part of the sealing system such as pressure rings, gasket support rings and anti-extrusion rings. The presence and type of construction of these accessory elements are linked to several factors, among which the most important are the type of gasket adopted and the pump working pressure.
**Axial plunger pump**

The Comet axial plunger pump always features three pumping elements, arranged in parallel axes in this case on three equidistant generators of a geometric cylinder. Each of the above pumping elements consists of a piston (made up, in this case too, of a “drive” section and a “pumping” section) driven in a reciprocating manner by a tilted-plate thrust system and by a spring return system. The pumping piston is always of the "plunger" type, i.e., the pumped liquid sealing system is fixed, while the piston slides inside.

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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 sliding.

**Suction and delivery valves**

Each pumping element of both types of pumps (inline pistons and axial pistons) is provided with a suction valve and a delivery valve, normally identical and arranged in the opposite direction the one to the other. The purpose of these valves is to intercept the liquid and permit the pumping action in the working cycle corresponding to the shaft rotation.

The operation of the valves is of the automatic type, i.e., opening and the closing are determined by the pressure difference of the fluid on the valve plate, held in position by the contrasting force of a spring.

A complete rotation of the pump shaft causes an intake phase (piston return to bottom dead centre) and a delivery phase (advancement of the piston to the upper dead centre) for each pumping element. In the intake phase the liquid is sucked through the suction valve into the pumping chamber formed in the head, while the delivery valve is closed. In the delivery phase, the liquid is pushed out of the pumping chamber through the delivery valve while the suction valve is closed.

The pumping elements are connected transversely to each other by means of intake and delivery manifolds obtained in the head.

**Efficiency**

The efficiency of the Plunger pumps is identified by the following physical quantities:

- Flow rate
- Pressure
- Power

The **flow rate** is the volume pumped in the unit of time and it is possible to distinguish a theoretical Flow Rate $Q_t$ (flow rate which can theoretically be supplied by the pump) and an actual flow rate $Q_e$ (actual flow rate supplied by the pump). The Flow Rate is normally expressed with the unit of measurement $l/min$ (metric system) or $gpm$ (system used in English-speaking countries). The Flow Rate $Q_t$ for the three-piston **inline** pumps is calculated using the following formula (valid for metric units):

$$Q_t [l/min] = \frac{3 \times \pi \times D^2 [mm] \times e [mm] \times n [1/min]}{2 \times 10^6}$$
Wherein:
\(D\) [mm] = piston diameter  
\(e\) [mm] = pump shaft eccentric  
\(n\) [rpm] = rotation speed

The Flow Rate \(Q_t\) for the three-piston axial pumps is instead calculated using the following formula (valid for metric units):

\[
Q_t [l/min] = \frac{3\pi \times D^2 [mm] \times i [mm] \times \tan \alpha \times n [1/min]}{2 \times 10^6}
\]

Wherein:
\(D\) [mm] = piston diameter 
\(i\) [mm] = piston centre distance (distance between pump axis and a piston axis)  
\(\alpha\) [rad] = pump plate inclination angle  
\(n\) [rpm] = rotation speed

From the above figures in metric units, the flow rate can be obtained in units used in English-speaking countries with the formula:

\[
Q_t [gpm] = \frac{Q_t [l/min]}{3,785412}
\]

The ratio between the two flow rates, theoretical and actual, defines the volumetric efficiency \(\eta_v\) of the pump:

\[
\eta_v = \frac{Q_e}{Q_t}
\]

The flow rate figures which appear in the catalogue efficiencies are those of the actual flow rate \(Q_e\).

The flow rate of positive-displacement plunger pumps is proportionate to the rotation speed and tends to be independent from the delivery pressure, though it does tend to drop as the latter increases.

The pressure is the maximum value possible in the pump head in operating conditions.

It must however be realized that positive-displacement plunger pumps do not intrinsically develop pressure during their movement, but move liquid by virtue of their construction features, described in the previous chapter. If however, downstream of the pump, in the delivery circuit, there is an obstacle (e.g., a nozzle), the pressure is generated in the pump head needed to ensure the pump flow rate is able to cross the encountered obstacle.
It is therefore necessary for the delivery circuit to feature a maximum pressure valve which does not permit the creation of a pressure above maximum allowed pressure, established according to pump resistance characteristics. In fact, if the above obstacle is complete (e.g., the total closure of the delivery circuit), pressure would tend to become too great with consequent breakage of the head. The fitting of an adjustable by-pass valve also permits setting a determinate pressure value according to operating requirements.

Pressure is expressed in metric units, in bar, in MPa, and, in English-speaking countries in PSI. The ratios between the above units of measurement are the following:

\[
P [\text{MPa}] = P[\text{bar}] \times 0.1
\]

\[
P [\text{PSI}] = P[\text{bar}] \times 14.50326
\]

The working power output \( \text{Nu} \) of a pump is the energy supplied to the pumped liquid in the unit of time, while the absorbed power \( \text{Na} \) is the energy, in the unit of time, which the pump requires from its energy source (electric motor, thermal motor, hydraulic motor, etc.) to perform the required pumping operation. The units of measurement used to express Power are kW, CV and HP.

The working power output \( \text{Nu} \) is calculated according to the formula:

\[
\text{Nu} [\text{kW}] = \frac{Qe[\text{l}/\text{min}] \times P[\text{bar}]}{600}
\]

The ratios between the other power units of measurement are the following:

\[
\text{Nu} [\text{HP}] = \text{Nu}[\text{kW}] \times 1.341
\]

\[
\text{Nu} [\text{CV}] = \text{Nu}[\text{kW}] \times 1.360
\]

The absorbed power is tied to the working power output with the ratio:

\[
\text{Na} [\text{kW}] = \frac{\text{Nu} [\text{kW}]}{\eta t}
\]
Wherein $\eta_t$ is the total efficiency of the pump produced by the three efficiencies $\eta_v$ (volumetric), $\eta_m$ (mechanical) and $\eta_i$ (hydraulic).

Volumetric efficiency $\eta_v$ normally takes on values from 0.85 to 0.95. Lower values are found for axial plunger pumps and with an increase in rotation speed, while the highest values are found with inline plunger pumps and low rotation speeds.

Hydraulic efficiency $\eta_i$ expresses the losses due to the resistances opposed to the flow through the head and for high pressures, characteristic of plunger pumps, it features values close to the unit.

Mechanical efficiency $\eta_m$ expresses the power losses in the mechanical-kinematic part: this is higher in inline plunger pumps (0.94÷0.96) and lower in axial plunger pumps (0.90÷0.92).

On the basis of the above, the total efficiency $\eta_t$ is therefore lowest (0.78÷0.80) in axial plunger pumps with high rotation speed (3400 rpm) and highest (0.90÷0.92) in inline plunger pumps with low rotation speed (1000÷1400 rpm).

The power values which appear in the catalogue efficiencies are those of the absorbed power $Nu$. The absorbed power in positive-displacement plunger pumps, with constant rotation speed (and therefore constant flow rate) is proportionate to pressure.
## Applications

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Website: www.cometpump.com
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AXD Series

BXD Series
AWD-K Series

ZWD-K Series
LW Series

ZWD Series
FW2 Series

RW Series
TW Series

TW 10000 PSI
VRX SERIES > PUMPS > HORIZONTAL GAS FLANGE

3400 RPM - 3/4” Hollow Shaft (SAE J609A)

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<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
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<td>VRX 2522 G</td>
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<td>3400</td>
<td>3/4”</td>
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EXCEPTIONS NOTED

- 3/4” Inlet – 3/8” MPT Outlet
- Brass Head
- Special Aluminum Alloy Head with high resistance to corrosion (VRX 2017 V only)
- Built in Unloader with chemical injector
- Built in Easy Start
- High efficiency suction-delivery valves
- Stainless steel plungers
- Aluminum crankcase without need of oil replacement
- Optional Thermal Relief valve (#5026.0276.00)
- Optional Garden Hose Tail (Brass 2800.0511.00 or Plastic)

Takes 4.5 Ounces Pump Oil
## VRX SERIES > PUMPS > VERTICAL

### 3/4" Inlet – 3/8" MPT Outlet

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*Boxed Pallet Qty 100

May be made into four-hole mount with flange 3016.0042.00

### VRX Repair Kits (Kits also on Pages 64 & 65)

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Comet Pumps
a world of applications
• Torque Specs Available on Page 65
• Additional Flows & Pressures are Available Upon Request

• 1/2” Inlet (GH not included) – 3/8” MPT Outlet
• Built-in Uniflow Unloader and chemical injector
• Built-in Easy Start
• Stainless steel plungers (Ceramic Optional)
• Steel shaft with Built-in Key
• One Oil Cap for travel and operation
• Stainless steel check valves
• Forged brass manifold
• Patent registered Ball Bearing Design
• Optional Built-in Thermal Protector (#1215.0354.00)
• Optional Built-in Pressure Relief Valve (#1215.0311.00)
• Optional Built-in GH Inlet (#2800.0511.00)

Takes 4 Ounces Pump Oil

BXD SERIES > PUMPS > GAS FLANGE

3400 RPM - 3/4” Hollow Shaft (SAE J609A)  
Pallet Qty: 84-Boxed; 72 Egg-Crated
• 1/2” Inlet – 3/8” MPT Outlet

<table>
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<th>MODEL#</th>
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<td>6525.1004.00</td>
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<td>2.8</td>
<td>2000</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
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<td>BXD 2525G</td>
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<td>3400</td>
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</tr>
<tr>
<td>6525.1005.00</td>
<td>BXD 3025 G</td>
<td>2.8</td>
<td>2500</td>
<td>3200</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
<tr>
<td>6525.1002.00</td>
<td>BXD 2527 G</td>
<td>2.4</td>
<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
</tbody>
</table>

BXD SERIES > PUMPS > ELECTRIC FLANGE

3400 RPM - NEMA 56C-5/8” Hollow Shaft  
Pallet Qty: 84-Boxed; 72 Egg-Crated
• 1/2” Inlet – 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6525.1010.00</td>
<td>BXD 2020 E</td>
<td>1.9</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
<tr>
<td>6525.1011.00</td>
<td>BXD 2520 E</td>
<td>2.5</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
<tr>
<td>6525.1012.00</td>
<td>BXD 3020 E</td>
<td>2.8</td>
<td>2500</td>
<td>3400</td>
<td>3/8” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
</tbody>
</table>

BXS SERIES > PUMPS > ELECTRIC FLANGE

1750 RPM - NEMA 56C-5/8” Hollow Shaft  
Pallet Qty: 84-Boxed; 72 Egg-Crated
• 1/2” Inlet – 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6526.1001.00</td>
<td>BXS 0615 E</td>
<td>0.6</td>
<td>1500</td>
<td>1750</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>11.0</td>
</tr>
</tbody>
</table>

BXD Repair Kits (Kits also on Pages 64 & 65)

<table>
<thead>
<tr>
<th>PART#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5019.0667.00</td>
<td>Seal Kit, Water, Gas</td>
</tr>
<tr>
<td>5019.0671.00</td>
<td>Seal Kit, Water, Electric</td>
</tr>
<tr>
<td>5019.0250.00</td>
<td>Seal Kit, Oil</td>
</tr>
<tr>
<td>5025.0027.00</td>
<td>Check Valve Kit</td>
</tr>
<tr>
<td>1215.0584.00</td>
<td>Unloader Valve Kit, 1885 PSI</td>
</tr>
<tr>
<td>1215.0585.00</td>
<td>Unloader Valve Kit, 2610 PSI</td>
</tr>
<tr>
<td>1215.0586.00</td>
<td>Unloader Valve Kit, 4000 PSI</td>
</tr>
</tbody>
</table>

E-mail: cometpump@cometpump.com
COMMERCIAL PUMPS

AXD Series

(G Version max 186 bar / 7200 psi) AXD

HOLLOW SHAFT Ø3/4"

(E Version) AXD, AXS

HOLLOW SHAFT Ø5/8"

Website: www.cometpump.com
**AXD**

(G Version max 200 bar / 3000 psi)

- **HOLLOW SHAFT Ø1”**

- **Torque Specs Available on Page 65**
- **Additional Flows & Pressures are Available Upon Request**

- 3/4”GH Inlet – 3/8” MPT Outlet
- Built-in Uniflow Unloader and Chemical injector with Inner Stainless Steel Parts
- Abrasion Proof, Heat Resistant, Industrial ceramic Plungers
- Stainless Steel Unitized Check Valves
- Forged Brass Manifold
- Industrial Duty Construction for Extended Life

- Patent Registered Ball Bearing Design
- Built-in Garden Hose Adapter
- Double-Sealing Buna-Textile V-Packing
- Optional Built-in Thermal Protector (#1215.0354.00)
- Optional Built-in Pressure Relief Valve (#1215.0311.00)

- Takes 6 Ounces Pump Oil

E-mail: cometpump@cometpump.com
## AXD SERIES > PUMPS > GAS FLANGE

3400 RPM - 3/4” Hollow Shaft (SAE J609A)

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6501.0005.00</td>
<td>AXD 3020 G</td>
<td>2.7</td>
<td>2000</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
<tr>
<td>6501.0008.00</td>
<td>AXD 3522 G</td>
<td>3.3</td>
<td>2200</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
<tr>
<td>6501.0050.00</td>
<td>AXD 2524 G-T</td>
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<td>2400</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
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</tr>
<tr>
<td>6501.0051.00</td>
<td>AXD 2524 G</td>
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<td>3400</td>
<td>3/4” Hollow</td>
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<tr>
<td>6501.0006.00</td>
<td>AXD 3025 G</td>
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<td>2500</td>
<td>3400</td>
<td>3/4” Hollow</td>
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<td>6501.0017.00</td>
<td>AXD 3525 G</td>
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<td>2500</td>
<td>3400</td>
<td>3/4” Hollow</td>
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</tr>
<tr>
<td>6501.0063.00</td>
<td>AXD 2427 G</td>
<td>2.4</td>
<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
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</tr>
<tr>
<td>6501.0059.00</td>
<td>AXD 2527 G-T</td>
<td>2.5</td>
<td>2700</td>
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<td>6501.0025.00</td>
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<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
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<td>6501.0065.00*</td>
<td>AXD 2527 G</td>
<td>2.5</td>
<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
</tbody>
</table>

“T” Denotes Stainless Steel Pistons; * Includes Thermal Relief & Plug; Pallet Qty: 100 Boxed, 96 Egg-Crated

1-Egg-Crated Pallet Qty 100

## AXD SERIES > PUMPS > ELECTRIC FLANGE

1750 & 3400 RPM - 5/8” & 3/4” Hollow Shaft

<table>
<thead>
<tr>
<th>PART #</th>
<th>MODEL #</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
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</thead>
<tbody>
<tr>
<td>6502.0009.00</td>
<td>AXS 0415 E</td>
<td>0.4</td>
<td>1500</td>
<td>1750</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
<tr>
<td>6502.0010.00</td>
<td>AXS 0615 E</td>
<td>0.6</td>
<td>1500</td>
<td>1750</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
<tr>
<td>6502.0005.00</td>
<td>AXS 0915 E</td>
<td>0.9</td>
<td>1500</td>
<td>1750</td>
<td>5/8” Hollow</td>
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<tr>
<td>6502.0008.00</td>
<td>AXS 1315 E</td>
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<td>1750</td>
<td>5/8” Hollow</td>
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<tr>
<td>6502.0006.00*3</td>
<td>AXS 2015 E</td>
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<td>5/8” Hollow</td>
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<tr>
<td>6501.0038.00*1</td>
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<td>3400</td>
<td>5/8” Hollow</td>
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<td>13</td>
</tr>
<tr>
<td>6501.0010.00</td>
<td>AXD 2020 E</td>
<td>1.9</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
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<tr>
<td>6501.0098.00</td>
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<td>1.9</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
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<td>13</td>
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<tr>
<td>6501.0012.00</td>
<td>AXD 2520 E</td>
<td>2.5</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
<tr>
<td>6501.0013.00</td>
<td>AXD 3020 E</td>
<td>2.9</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
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</tr>
<tr>
<td>6501.0087.00</td>
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<td>3400</td>
<td>3/4” Hollow</td>
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<td>13</td>
</tr>
<tr>
<td>6501.0090.002</td>
<td>AXD 2527 GE</td>
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<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13</td>
</tr>
</tbody>
</table>

*5.5 Degree Cam 1-70 Egg-Crated 2-96 Boxed 3-60 Egg-Crated

“T” Denotes Stainless Steel Pistons
### AXD SERIES > PUMPS > GAS FLANGE

#### 3400 RPM - 1” Hollow Shaft (SAE J609B)

Pallet Qty: 60-Boxed; 72 Egg-Crated  
3/4” Inlet – 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>PART #</th>
<th>MODEL #</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
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<tbody>
<tr>
<td>6501.0024.00</td>
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<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.5</td>
</tr>
<tr>
<td>6501.0027.00</td>
<td>AXD 3530 G</td>
<td>3.3</td>
<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.5</td>
</tr>
<tr>
<td>6501.0023.00</td>
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<td>3.7</td>
<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.5</td>
</tr>
</tbody>
</table>

**AXD Repair Kits (Kits also on Pages 64 & 65)**

<table>
<thead>
<tr>
<th>PART #</th>
<th>MODEL #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5019.0077.00</td>
<td></td>
<td>Seal Kit, Water</td>
</tr>
<tr>
<td>1215.0585.00</td>
<td></td>
<td>Unloader Repair Kit, 2610 PSI</td>
</tr>
<tr>
<td>5025.0014.00</td>
<td></td>
<td>Check Valve Kit Universal</td>
</tr>
<tr>
<td>2409.0092.00</td>
<td></td>
<td>Piston Kit</td>
</tr>
<tr>
<td>5019.0079.00</td>
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<td>Seal Kit, Oil</td>
</tr>
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</table>

**AXD 3000 PSI Repair Kits**

<table>
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<th>PART #</th>
<th>Description</th>
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<tbody>
<tr>
<td>5019.0086.00</td>
<td>Seal Kit, Water</td>
</tr>
<tr>
<td>1215.0586.00</td>
<td>Unloader Repair Kit, 4000 PSI</td>
</tr>
<tr>
<td>5025.0014.00</td>
<td>Check Valve Kit Universal</td>
</tr>
<tr>
<td>2409.0103.00</td>
<td>Piston Kit</td>
</tr>
<tr>
<td>5019.0079.00</td>
<td>Seal Kit, Oil</td>
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**AXD 2500+ PSI Repair Kits**

<table>
<thead>
<tr>
<th>PART #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>5019.0077.00</td>
<td>Seal Kit, Water</td>
</tr>
<tr>
<td>1215.0585.00</td>
<td>Unloader Repair Kit, 4000 PSI</td>
</tr>
<tr>
<td>5025.0014.00</td>
<td>Check Valve Kit Universal</td>
</tr>
<tr>
<td>2409.0092.00</td>
<td>Piston Kit</td>
</tr>
<tr>
<td>5019.0079.00</td>
<td>Seal Kit, Oil</td>
</tr>
</tbody>
</table>

---

**E-mail:** cometpump@cometpump.com

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[Image of a person using a high-pressure water blaster]

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31
• **Torque Specs Available on Page 65**

- 1/2" FPT Inlet – 3/8" MPT Outlet
- Built-in Uniflow Unloader and Fixed Chemical Injector
- Double Seal Packings (High & Low)

- Anodized Crankcase
- Ceramic Plungers
- Forged Brass Manifold
- Stainless Steel Check Valves

---

**Takes 10 Ounces Pump Oil**

---

### BWD-K SERIES > PUMPS > GAS FLANGE

3400 RPM - 3/4” Hollow Shaft (SAE J609A) - Gas

**Pallet Qty: 60-Boxed; 60 Egg-Crated**

- 1/2” FPT Inlet – 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6521.0250.00</td>
<td>BWD 3020 G-K</td>
<td>3.0</td>
<td>2000</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>12.6</td>
</tr>
<tr>
<td>6521.0150.00</td>
<td>BWD 2527 G-K</td>
<td>2.6</td>
<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>13.1</td>
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<tr>
<td>6521.0350.00</td>
<td>BWD 3027 G-K</td>
<td>3.0</td>
<td>2700</td>
<td>3400</td>
<td>3/4” Hollow</td>
<td>14mm</td>
<td>12.9</td>
</tr>
</tbody>
</table>

### BWD-K SERIES > PUMPS > ELECTRIC FLANGE

3400 RPM - 5/8” Hollow Shaft (NEMA 56C) - Electric

**Pallet Qty: 60-Boxed; 60 Egg-Crated**

- 1/2” FPT Inlet – 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6521.0450.00</td>
<td>BWD 2020 E-K</td>
<td>1.9</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>14.0</td>
</tr>
<tr>
<td>6521.0251.00</td>
<td>BWD 3020 E-K</td>
<td>2.7</td>
<td>2000</td>
<td>3400</td>
<td>5/8” Hollow</td>
<td>14mm</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**BW Repair Kits (Hot and Standard Kits also on pages 64 & 65)**

- 5019.0686.00  Seal Kit, Water, 2700 PSI
- 5019.0684.00  Seal Kit, Water, 2000 PSI
- 5019.0685.00  Seal Kit, Oil
- 5025.0030.00  Valve Kit
- 1215.0585.00  Unloader Valve Kit, 2610 PSI
- 1215.0586.00  Unloader Valve Kit, 4000 PSI
**AWD-K Series**

**HOLLOW SHAFT Ø1”**

**Torque Specs Available on Page 65**

- 1/2” FPT Inlet – 3/8” MPT Outlet
- Built-in Uniflow Unloader and Fixed Chemical Injector
- Double Seal Packings (High & Low)
- Anodized Crankcase

- Ceramic Plungers
- Forged Brass Manifold
- Stainless Steel Check Valves

**Takes 10 Ounces Pump Oil**

Website: [www.cometpump.com](http://www.cometpump.com)
AWD-K SERIES > PUMPS > GAS FLANGE

3400 RPM - 1” Hollow Shaft (SAE J609B)

Pallet Qty: 60-Boxed; 60 Egg-Crated
- 1/2” FPT Inlet – 3/8” MPT Outlet

Pump with Built-In Unloader

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6520.0150.00</td>
<td>AWD 3030 G-K</td>
<td>3.0</td>
<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.4</td>
</tr>
<tr>
<td>6520.0250.00</td>
<td>AWD 3530 G-K</td>
<td>3.5</td>
<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.4</td>
</tr>
<tr>
<td>6520.0350.00</td>
<td>AWD 4030 G-K</td>
<td>4.0</td>
<td>3000</td>
<td>3400</td>
<td>1” Hollow</td>
<td>14mm</td>
<td>14.4</td>
</tr>
<tr>
<td>6520.0450.00</td>
<td>AWD 4036 G-K</td>
<td>4.0</td>
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<td>3400</td>
<td>1” Hollow</td>
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<td>14.4</td>
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</tbody>
</table>

K-Built-In Unloader

AW Repair Kits (Kits also on Pages 64 & 65)

<table>
<thead>
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<th>PART#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>5016.0686.00</td>
<td>AW Water Seal Kit</td>
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<tr>
<td>5019.0687.00</td>
<td>AW Oil Seal Kit</td>
</tr>
<tr>
<td>5025.0030.00</td>
<td>Valve Kit</td>
</tr>
<tr>
<td>1215.0586.00</td>
<td>Unloader Kit (4000 PSI)</td>
</tr>
</tbody>
</table>
INDUSTRIAL PUMPS

LW Series

(S Version) LW, LWS, LWD

(Solid Shaft Ø24 mm)

(G Version) LWD

(Hollow Shaft Ø3/4"

ON REQUEST

STAINLESS STEEL HEAD

STAINLESS STEEL HEAD

Website: www.cometpump.com
- Torque Specs Available on Page 65
- 1/2” FPT Inlet – 3/8” FPT Outlet (except where indicated)
- Reversible Crankshaft for Easy Right or Left Hand Mounting
- Forged Bronze Connecting Rods with Lifetime Warranty
- Hardened Stainless Steel Piston Guides
- High Efficiency Stainless Steel Check Valves
- Abrasion Proof, Heat Resistant, Industrial Ceramic Plungers
- High Quality Buna-Textile Double-Sealing V-Packings
- Solid or Hollow Shaft
- Die-Cast, Anodized Aluminum Crankshaft-Fin Design for Optimal Operating Temperature
- Flange for Direct Mounting to Gas Engines or Electric Motors
- High Quality Oversized Ball Bearings
- Optimal Oil Bath for High Speed Operation

### Takes 11 Ounces Pump Oil

#### LW SERIES > PUMPS > SOLID SHAFT

**1450 RPM - 24mm Solid Shaft**

<table>
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<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
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x-3/8” Inlet
A=Aluminum Manifold

#### LWS SERIES > PUMPS > SOLID SHAFT

**1750 RPM - 24mm Solid Shaft**

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<th>GPM</th>
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x-3/8” Inlet
*K=Built-In Unloader; Pallet Qty 60 Boxed

Pump with Built-In Unloader

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<tr>
<th>PART#</th>
<th>MODEL#</th>
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*97 Egg-Crated
## LWD SERIES > PUMPS > SOLID SHAFT

### 3400 RPM - 24mm Solid Shaft

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- 1/2" FPT Inlet – 3/8" FPT Outlet
- Pallet Qty: 100 (Boxed or Egg-Crated)

## LWD SERIES > PUMPS > GAS FLANGE

### 3400 RPM 3/4” Hollow Shaft (SAE J609A)

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1-Pallet Qty 97 Egg-Crated - 2-Pallet Qty 96 Egg-Crated

- Pallet Qty: 60 (Boxed or Egg-Crated)

**Pump with Built-In Unloader**

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*Fixed injector; RF-Bolt-on Unloader; K-Built-In Unloader

1-Pallet Qty 100 Egg-Crated
## LWS SERIES > PUMPS > ELECTRIC FLANGE

**1750 RPM - NEMA 56C - 5/8” or 3/4” Hollow Shaft**

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<th>PART#</th>
<th>MODEL#</th>
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<th>RPM</th>
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x-3/8” Inlet

**Pump with Built-In Unloader**

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<td>18mm</td>
<td>13.4</td>
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K-Built-In Unloader; Pallet Qty 60 (Boxed or Egg-Crated)

## LWD SERIES > PUMPS > ELECTRIC FLANGE

**3400 RPM - NEMA 56C -5/8” or 3/4” Hollow Shaft**

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**Pump with Built-In Unloader**

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K-Built-In Unloader

### LW Series Mounting Rail Kits

- Standard Rail Kit for LW Series Pump
- Tall Rail Kit for LW Series Pump

### LW Series Repair Kits (Hot and Standard Kits also on Pages 64 & 65)

- LW Water Seal Kit, 15mm
- LW Water Seal Kit, 18mm
- LW Oil Seal Kit, Solid Shaft
- LW Oil Seal Kit, Hollow Shaft
- LW Piston Kit, 15mm
- LW Piston Kit, 18mm
- LW Check Valve Kit
- Unloader Rebuild Kit
- Unloader Valve Kit, 1885 PSI
- Unloader Valve Kit, 2610 PSI
- Unloader Valve Kit, 4000 PSI
- Unloader Maintenance Kit
- Hot Water Kit, 15mm
- Hot Water Kit, 16mm
- Viton Seal Kit, 15mm
- Viton Seal Kit, 18mm

E-mail: cometpump@cometpump.com
INDUSTRIAL PUMPS

**ZWD Series**

**(S Version) ZWD**

**SOLID SHAFT Ø24 mm**

**(G Version) ZWD**

**HOLLOW SHAFT Ø3/4”**
(G Version) ZWD

HOLLOW SHAFT Ø1"

(G Version) ZWD-K

HOLLOW SHAFT Ø1"

E-mail: cometpump@cometpump.com
**Torque Specs Available on Page 65**

- 1/2” FPT Inlet – 3/8” Outlet (see pump sections for M or F)
- Reversible Crankshaft for Easy Right or Left Hand Mounting
- Increased Fin Depth Increases Surface Area to Maximize Heat Dissipation
- Stainless Steel Unitized Check Valves
- Heat-Resistant Solid Ceramic Plungers Operating on Lubricated Packings
- Direct Drive Mounting Flange
- Reinforced Crankcase for Increased Load Capacity
- Enlarged Crankcase Increases Oil Capacity for Better Lubrication and Lower Operating Temperatures
- One-Piece Industrial-Grade Oversized Bronze Connecting Rods

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**ZWD SERIES > PUMPS > SOLID SHAFT**

**3400 RPM - 24mm Solid Shaft**

Pallet Qty: 60-Boxed; 60 Egg-Crated

- 1/2” FPT Inlet, 3/8” FPT Outlet
- 24mm Solid, Keyed Shaft

<table>
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<th>MODEL#</th>
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*Aluminum Connecting Rod

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**ZWD SERIES > PUMPS > GAS FLANGE**

**3400 RPM - 3/4” Hollow Shaft (SAE J609A)**

**3400 RPM - 1” Hollow Shaft (SAE J609B)**

Pallet Qty: 60-Boxed; 60 Egg-Crated

- 1/2” FPT Inlet, 3/8” FPT Outlet
- Gas Engine Mounting Flange

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<th>MODEL#</th>
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<td>1” Hollow</td>
<td>15mm</td>
<td>17.5</td>
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<td>1” Hollow</td>
<td>15mm</td>
<td>17.5</td>
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<td>3400</td>
<td>1” Hollow</td>
<td>15mm</td>
<td>17.5</td>
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</tbody>
</table>

*Aluminum Connecting Rod
**60 Egg-Crated
## ZWD SERIES > PUMPS > GAS FLANGE

### 3400 RPM - 1” Hollow Shaft (SAE J609B)

Pallet Qty: 60-Boxed; 60 Egg-Crated
- 1/2” FPT Inlet, 3/8” MPT Outlet
- Gas Engine Mounting Flange

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>WT</th>
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- RF-Bolt-on Unloader
- K-Built-In Unloader
  1 - Pallet Qty 100 Egg-Crated
  2 - EZ Start

### ZW Series Mounting Rail Kits

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<td>5011.0184.00</td>
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<td>5011.0216.00</td>
<td>Tall Rail Kit for RW Series Pump</td>
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### ZW Series Repair Kits (Kits also on Pages 64 & 65)

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<td>5019.0064.00</td>
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<td>1215.0586.00</td>
<td>Unloader Kit (4000 PSI)</td>
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<td>2409.0071.00</td>
<td>ZWD Piston Kit, 15mm</td>
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<td>5019.0040.00</td>
<td>ZWD Oil Seal Kit, Solid Shaft</td>
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<td>5019.0065.00</td>
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<td>5019.0048.00</td>
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<tr>
<td>5019.0051.00</td>
<td>Viton Seal Kit, 15mm</td>
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**FW2 Series**

**(S Version) FW2, FWS2**

**SOLID SHAFT Ø24 mm**

**(G Version) FWD2**

**HOLLOW SHAFT Ø1”**

*(ON REQUEST)*

**NICKEL PLATED HEAD**

---

Website: [www.cometpump.com](http://www.cometpump.com)
(E Version) FWS2, FWD2

HOLLOW SHAFT Ø1-1/8"

- 1/2" FPT Inlet – 3/8" FPT Outlet
- Reversible Crankcase for Right or Left Hand Mounting
- Hardened Stainless Steel Piston Guides Highly Efficient Stainless Steel Check Valves
- Solid Ceramic Plungers
- High & Low Pressure Seals: High Quality Buna-Textile Packings
- Additional Anti-Extrusion Ring under the Seal
- Solid or Hollow Shaft
- Solid Brass Manifolds
- Special Forged Brass Oversized Connecting Rods
- Flange for Direct Mounting to Gas Engines or Electric Motors (Hollow Shaft Models Only.)
- Die-Cast, Anodized Aluminum Crankcase
- High Quality Tapered Roller Bearings
- Optimal Oil Bath for High Speed Operation

Takes 19 Ounces Pump Oil

E-mail: cometpump@cometpump.com
# FW2 SERIES > PUMPS > SOLID SHAFT

1450 RPM - 24mm solid Shaft

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
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<th>PSI</th>
<th>RPM</th>
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<th>PISTON</th>
<th>WT</th>
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*Dual rated pump - 6411.0200.00, Model FWS2 4030 S

1750 RPM - 24mm Solid Shaft

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# FWS2 SERIES > PUMPS > ELECTRIC FLANGE

1750 RPM - 184T Elec. Flange

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<th>MODEL#</th>
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<td>1-1/8&quot; Hollow</td>
<td>20mm</td>
<td>20.3</td>
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Pallet Qty: 60-Boxed; 60 Egg-Crated

- 1/2" FPT Inlet, 3/8” FPT Outlet
- 24mm Solid, Keyed Shaft

Pallet Qty: 60-Boxed; 60 Egg-Crated

- 1/2” FPT Inlet, 3/8” FPT Outlet
- 24mm Solid, Keyed Shaft

- 1750 RPM - 24mm Solid Shaft
- 184T Electric Motor Flange with 1-1/8” Hollow Shaft

- 1750 RPM - 184T Elec. Flange
FWD2 SERIES > PUMPS > GAS FLANGE

3400 RPM - Gas Engine Flange
SAE J609B

Pallet Qty: 60-Boxed; 60 Egg-Crated
- 1/2” FPT Inlet, 3/8” FPT Outlet
- Gas Engine Mounting Flange with 1” Hollow Shaft

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
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<td>1” Hollow</td>
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<td>22.5</td>
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FWD2 SERIES > PUMPS > ELECTRIC FLANGE

3400 RPM - 184T Elec. Flange

Pallet Qty: 60-Boxed; 60 Egg-Crated
- 1/2” FPT Inlet, 3/8” FPT Outlet
- 184T Electric Motor Flange with 1-1/8” Hollow Shaft

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
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<th>RPM</th>
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FW2 Series Mounting Rail Kits

- 5011.0185.00 Standard Rail Kit for FW2 Series Pump
- 5011.0216.00 Tall Rail Kit for FW2 Series Pump

FW2 Series Repair Kits (Kits also on Pages 64 & 65)

- 5019.0218.00 Water Seal Kit, 18mm, 3000 PSI
- 5019.0631.00 Water Seal Kit, 18mm, 4000 PSI
- 5019.0039.00 Water Seal Kit, 20mm
- 5019.0219.00 Oil Seal Kit, Solid Shaft
- 5019.0257.00 Oil Seal Kit, Gas & Electric
- 5019.0702.00 Hot Water Seal Kit, 18mm
- 5019.0703.00 Hot Water Kit, (Seals Only), 18mm

- 5025.0011.00 Check Valve Kit
- 5025.0025.00 High Flow Valve Kit, 5+GPM
- 2409.0073.00 FW Piston Kit, 18mm
- 2409.0074.00 FW Piston Kit, 20mm
- 5019.0054.00 Hot Water Seals Only, 20mm
- 5019.0669.00 Hot Water Complete Kit, 20mm
- 5019.0703.00 Hot Water Kit, (Seals Only), 18mm
PREMIUM PUMPS

RW Series

(S Version) RW, RWS

**SOLID SHAFT Ø24 mm**

(E Version) RWS

**HOLLOW SHAFT Ø1-1/8”**

**ON REQUEST**

NICKEL PLATED HEAD

**ON REQUEST**

NICKEL PLATED HEAD

(S Version)

RW, RWS

(E Version)

RWS

Website: www.cometpump.com
• Torque Specs Available on Page 65
• 1/2" FPT Inlet – 3/8" FPT Outlet
• Crankcase: Die-Cast Aluminum Alloy for Protection Against Corrosion
• Piston Guides are Heat Treated Stainless Steel
• Highly Efficient Stainless Steel Check Valves
• Solid Ceramic Plungers
• Brass Manifold: Forged for Maximum Strength and Longer Life up to 4000 PSI
• Direct Mount to Gas Engines or Electric Motors
• One Piece, Solid Bronze Alloy Connection Rods
• Solid Shaft 24mm for Belt Drive, Gearbox or Flex Couplers
• Oil Cap: New Travel/Working Oil Cap
• High Quality Tapered Roller Bearings
• Large Oil Capacity Dissipates Heat and Improves Lubrication for Longer Life

Takes 27 Ounces Pump Oil

RW SERIES > PUMPS > SOLID SHAFT

1450 RPM - 24mm Solid Shaft

<table>
<thead>
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<th>MODEL#</th>
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*Hot Water Pump with Kevlar Seals

Pallet Qty: 36-Boxed Only
• 1/2” FPT Inlet, 3/8” FPT Outlet
## RWS SERIES > PUMPS > SOLID SHAFT

### 1750 RPM - 24mm Solid Shaft

<table>
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<th>MODEL#</th>
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1750 RPM - 24mm Solid Shaft
- **Pallet Qty:** 36-Boxed Only
- **1/2” FPT Inlet, 3/8” FPT Outlet**

## RWS SERIES > PUMPS > ELECTRIC FLANGE

### 1750 RPM - 1-1/8” Hollow Shaft

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*RWS Electric Pumps are Not Reversible.*

### RW Series Mounting Rail Kits

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<td>5011.0257.00</td>
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### RW Series Repair Kits (Kits also on Pages 64 & 65)

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<td>2409.0145.00</td>
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<td>5025.0011.00</td>
<td>Valve Kit up to 4.8 GPM</td>
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<td>5025.0025.00</td>
<td>Valve Kit 4.9+ GPM</td>
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Website: [www.cometpump.com](http://www.cometpump.com)
PREMIUM PUMPS

SW Series

(S Version) SW, SWS

SOLID SHAFT Ø24 mm

- Torque Specs Available on Page 65
- 1/2" FPT Inlet, 3/8" FPT Outlet
- Die-Cast Aluminum Alloy for Protection Against Corrosion
- Piston Guides are Heat Treated Stainless Steel
- Highly Efficient Stainless Steel Check Valves
- Solid Ceramic Plungers
- Brass Manifold: Forged for Maximum Strength and Longer Life up to 4000 PSI
- One Piece, Solid Bronze Alloy Connection Rods
- Solid Shaft 24mm for Belt Drive, Gearbox or Flex Couplers
- Oil Cap: New Travel/Working Oil Cap
- High Quality Tapered Roller Bearings
- Large Oil Capacity Dissipates Heat and Improves Lubrication for Longer Life
- Heavy Duty up to 4000 PSI
- High Volume up to 5.5 GPM
- Long Life Seals

Takes 37 Ounces Pump Oil
SW SERIES > PUMPS > SOLID SHAFT

1450 RPM - 24mm Solid Shaft

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*Hot Water Pump with Kevlar Seals

Pallet Qty: 24-Boxed Only

- 1/2” FPT Inlet, 3/8” FPT Outlet

SWS SERIES > PUMPS > SOLID SHAFT

1750 RPM - 24mm Solid Shaft

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*Hot Water Pump with Kevlar Seals

Pallet Qty: 24-Boxed Only

- 1/2” FPT Inlet, 3/8” FPT Outlet

SW Series Mounting Rail Kits

5011.0214.00 Standard Rail Kit for SW/TW Series Pump
5011.0278.00 Tall Rail Kit for Premium Series Pump

SW Series Repair Kits (Kits also on Pages 64 & 65)

5025.0011.00 Valve Kit
5025.0025.00 High Flow Valve Kit, 5+GPM
2409.0074.00 SW Piston Kit, 20mm
5019.0648.00 Seal Kit, Water, 20mm
5019.0650.00 Oil Seal Kit,
5019.0670.00 SW Hot Water, Seal Kit, 20mm
5019.0665.00 SW Kevlar, Seal Kit, 20mm
**TWN SERIES > PUMPS > SOLID SHAFT**

1000 RPM - 24mm Solid Shaft

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**TW SERIES > PUMPS > SOLID SHAFT**

1450 RPM - 24-30mm Solid Shaft

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<td>1450</td>
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<td>22mm</td>
<td>3/4&quot;</td>
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<td>18mm</td>
<td>1/2&quot;</td>
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<td>45</td>
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<td>6513.0300.00</td>
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<td>18mm</td>
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<tr>
<td>6513.2000.00</td>
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<td>3.4</td>
<td>7300</td>
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<td>6513.1801.00</td>
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<td>6513.2100.00*</td>
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<td>7300</td>
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<td>1/2&quot;</td>
<td>3/8”</td>
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*Hot Water Pump with Kevlar Seals

¹ Valve Kit is 5025.0020.00

**Takes 37 Ounces Pump Oil**
# TWS SERIES > PUMPS > SOLID SHAFT

## 1750 RPM - 24-30mm Solid Shaft

- **Pallet Qty:** 24-Boxed Only
- **Shaft Length:** 3/4"-1/2" FPT Inlet, 1/2"-3/8" FPT Outlet

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>INLET</th>
<th>OUTLET</th>
<th>WT</th>
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<tbody>
<tr>
<td>6514.0900.00</td>
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<td>1/2&quot;</td>
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<tr>
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<td>22mm</td>
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<td>1/2&quot;</td>
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<td>18mm</td>
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<td>3/8&quot;</td>
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<tr>
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<td>3/8&quot;</td>
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<td>6514.1300.00</td>
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<td>4.6</td>
<td>7300</td>
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<td>30mm</td>
<td>18mm</td>
<td>1/2&quot;</td>
<td>3/8&quot;</td>
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<tr>
<td>6514.1400.00</td>
<td>TWS 5070 S</td>
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<td>18mm</td>
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<td>6514.1600.00</td>
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*Left Handed

## TW Series Mounting Rail Kits

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>Description</th>
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<tbody>
<tr>
<td>5011.0214.00</td>
<td>Standard Rail Kit for SW/TW Series Pump</td>
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</tr>
<tr>
<td>5011.0278.00</td>
<td>Tall Rail Kit for Premium Series Pump</td>
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## TW Series Repair Kits (Kits also on Pages 64 & 65)

<table>
<thead>
<tr>
<th>PART#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5025.0020.00</td>
<td>Valve Kit (Up to 3600 PSI)</td>
</tr>
<tr>
<td>5025.0021.00</td>
<td>Valve Kit (4000+PSI)</td>
</tr>
<tr>
<td>5025.0050.00</td>
<td>Valve Kit (7000)</td>
</tr>
<tr>
<td>5025.0073.00</td>
<td>Valve Kit (12000 PSI)</td>
</tr>
<tr>
<td>2409.0116.00</td>
<td>Piston Kit 18mm</td>
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<tr>
<td>2409.0114.00</td>
<td>Piston Kit 22mm</td>
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<tr>
<td>2409.0115.00</td>
<td>Piston Kit 25mm</td>
</tr>
<tr>
<td>2409.0293.00</td>
<td>Piston Kit 15mm</td>
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<tr>
<td>5019.0645.00</td>
<td>Seal Kit 18mm, Water</td>
</tr>
<tr>
<td>5019.0646.00</td>
<td>Seal Kit 22mm, Water</td>
</tr>
<tr>
<td>5019.0647.00</td>
<td>Seal Kit 25mm, Water</td>
</tr>
<tr>
<td>5019.0736.00</td>
<td>Seal Kit 15mm, Water</td>
</tr>
<tr>
<td>5019.0644.00</td>
<td>Seal Kit, Oil (Up to 3600 PSI)</td>
</tr>
<tr>
<td>5019.0649.00</td>
<td>Seal Kit, Oil (4000+ PSI)</td>
</tr>
<tr>
<td>5019.0229.00</td>
<td>Seal Kit, Oil (7000)</td>
</tr>
<tr>
<td>5019.0737.00</td>
<td>Seal Kit, Oil (Up to 12000 PSI)</td>
</tr>
<tr>
<td>5019.0228.00</td>
<td>Seal Kit, Water (7000 PSI)</td>
</tr>
<tr>
<td>5019.0653.00</td>
<td>Hot Water Packing Kit 18mm</td>
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<td>5019.0654.00</td>
<td>Hot Water Packing Kit 22mm</td>
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<td>5019.0655.00</td>
<td>Hot Water Packing Kit 25mm</td>
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<tr>
<td>5019.0662.00</td>
<td>Seal Kit, Kevlar 22mm</td>
</tr>
<tr>
<td>5019.0663.00</td>
<td>Seal Kit, Kevlar 25mm</td>
</tr>
</tbody>
</table>
Comet Pumps
a world of applications
**PREMIUM PUMPS**

**TW 10000 psi Series**

**(S Version) TW 10000 psi**

**NEW**

- **Torque Specs Available on Page 65**
  - 1/2” FPT Inlet, 1/2” FPT Outlet (Female 60° cone seat)
  - Right or Left Hand Mounting Available Crankcase: Die-Cast Aluminum Alloy for Protection Against Corrosion
  - Piston Guides are Heat Treated Stainless Steel
  - Highly Efficient Stainless Steel Check Valves
  - Plungers with Tungsten carbide coating, highly corrosion and abrasion-proof
  - Stainless Steel Manifolds
  - Special Aluminium Alloy Conrods made in a double piece
  - Solid Shaft 30mm for Belt Drive, Gearbox or Hollow Shaft electric motors
  - Top-Quality and oversized conical Roller Bearings with covers for adjusting the pre-load
  - Large Oil Capacity Dissipates Heat and Improves Lubrication for Longer Life
  - Heavy Duty up to 11600 PSI
  - High Volume up to 3.6 GPM
  - Long Life Seals

**Takes 37 Ounces Pump Oil**
# TW 10000 psi SERIES > PUMPS > SOLID SHAFT

## 1450 RPM - 30mm Solid Shaft

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>INLET</th>
<th>OUTLET</th>
<th>WT</th>
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<tbody>
<tr>
<td>NEW 6513.3000.00</td>
<td>TW 35100 S</td>
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<td>10000</td>
<td>1450</td>
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<td>15mm</td>
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<td>1/2&quot;</td>
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<tr>
<td>NEW 6513.2900.00</td>
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<td>3.6</td>
<td>10000</td>
<td>1450</td>
<td>30mm</td>
<td>15mm</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>76</td>
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Pallet Qty: 24-Boxed Only

- 1/2" FPT Inlet, 1/2" FPT Outlet (Female 60° cone seat)

---

## 550 RPM - 30mm Solid Shaft

<table>
<thead>
<tr>
<th>PART#</th>
<th>MODEL#</th>
<th>GPM</th>
<th>PSI</th>
<th>RPM</th>
<th>SHAFT</th>
<th>PISTON</th>
<th>INLET</th>
<th>OUTLET</th>
<th>WT</th>
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</thead>
<tbody>
<tr>
<td>NEW 6513.2700.00</td>
<td>TW 01100 S</td>
<td>1.2</td>
<td>10000</td>
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<td>15mm</td>
<td>1/2&quot;</td>
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<td>76</td>
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Pallet Qty: 24-Boxed Only

- 1/2" FPT Inlet, 1/2" FPT Outlet (Female 60° cone seat)

---

### TW 10000 psi Series Mounting Rail Kits

- **5011.0214.00** Standard Rail Kit for SW/TW Series Pump
- **5011.0278.00** Tall Rail Kit for Premium Series Pump

### TW 10000 psi Series Repair Kits (Kits also on Pages 64 & 65)

- **5019.0737** Oil Seal Kit
- **2409.0293** Piston Kit
- **5025.0073** Complete Valve Kit
- **5019.0736** Water Seal Kit
Pumps for small spraying jobs and inter-row weeding, gardening, sanitizing and cleaning caravans and boats, treating lawns and green areas, disinfecting vehicles and farms.

- 12v DC
- 140° F
- Polypropylene Pump Housing and Valve Plate
- Viton® Valves-Santoprene® Diaphragm
- Zinc-Plated Steel Fasteners
- Honeywell Micro Switch™
- Inline fuse Protection
- Painted Motor Shell (*EF1000 Polypropylene)
- CE Approved
- QA Port Option (except EF1000)
Everflo diaphragm pumps

EF Series Repair Kits

<table>
<thead>
<tr>
<th>PART #</th>
<th>MODEL #</th>
<th>GPM</th>
<th>PSI</th>
<th>AMPS</th>
<th>PORTS</th>
<th>SELF PRIMING</th>
<th>WT (DRY)</th>
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<tbody>
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<td>7001.0000.00</td>
<td>EF 1000</td>
<td>1</td>
<td>40</td>
<td>4</td>
<td>3/8&quot; Hose Barb</td>
<td>TO 4 FT</td>
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<td>7001.0001.00</td>
<td>EF 2200</td>
<td>2.2</td>
<td>70</td>
<td>8</td>
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<td>TO 8 FT</td>
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<tr>
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<td>EF 3000</td>
<td>3</td>
<td>60</td>
<td>10</td>
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<tr>
<td>7001.0003.00</td>
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<td>13</td>
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<td>TO 8 FT</td>
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<td>7001.0004.00</td>
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<td>23</td>
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7001.0001.01  Repair Kit for EF2200
7001.0002.01  Repair Kit for EF3000
7001.0003.01  Repair Kit for EF4000
7001.0004.01  Repair Kit for EF5500
7001.0005.01  Repair Kit for EF7000
## COMET REPAIR KITS

All Comet Pump repair kits contain the quantity of components necessary to rebuild the entire pump.

### Seal / Packing Replacement

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<th>Description</th>
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<tr>
<td>LW</td>
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</tr>
<tr>
<td>ZWD</td>
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<tr>
<td>FW-HW</td>
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### Oil Sel Replacement

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<th>Description</th>
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<td>GXD Seal Kit</td>
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<td>5019.0079.00</td>
<td>AX/AXS Oil Seal Kit</td>
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<tr>
<td>5019.0250.00</td>
<td>BXD Oil Seal Kit</td>
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<tr>
<td>5019.0685.00</td>
<td>BW Oil Seal Kit</td>
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<tr>
<td>5019.0687.00</td>
<td>AW/GW Oil Seal Kit</td>
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<tr>
<td>5019.0040.00</td>
<td>LW/ZW Oil Seal Kit Solid Shaft</td>
</tr>
<tr>
<td>5019.0044.00</td>
<td>FW, HW, HWS Kit Solid Shaft</td>
</tr>
<tr>
<td>5019.0219.00</td>
<td>FW2 Oil Seal Kit</td>
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<tr>
<td>5019.0041.00</td>
<td>LW Oil Seal Kit Hollow Shaft</td>
</tr>
<tr>
<td>5019.0065.00</td>
<td>ZWD Oil Seal Kit Hollow Shaft</td>
</tr>
<tr>
<td>5019.0045.00</td>
<td>FW/HWD Oil Seal Kit Hollow Shaft</td>
</tr>
<tr>
<td>5019.0257.00</td>
<td>FW2 Seal Kit</td>
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<td>5019.0650.00</td>
<td>SW Seal Kit</td>
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<tr>
<td>5019.0644.00</td>
<td>TW Seal Kit, Oil (Up to 3600 PSI)</td>
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<td>5019.0649.00</td>
<td>TW Seal Kit, Oil (4000+ PSI)</td>
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<tr>
<td>5019.0229.00</td>
<td>TW Seal Kit, Oil (7000 PSI)</td>
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<td>RW Oil Seal Kit Solid Shaft</td>
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<tr>
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<td>RW Oil Seal Kit Hollow Shaft</td>
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### Piston

<table>
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<th>Description</th>
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<tbody>
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<td>AXD</td>
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<tr>
<td>LW</td>
<td>LW, ZW, FW, HW</td>
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### Unloader Repair

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<th>Part#</th>
<th>Description</th>
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<tbody>
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<td>5026.0258.00</td>
<td>VRX Regulator Valve Kit</td>
</tr>
<tr>
<td>5026.0143.00</td>
<td>AX/GXD Unloader Rebuild Kit</td>
</tr>
<tr>
<td>5026.0144.00</td>
<td>AX/GXD Maintenance Kit</td>
</tr>
<tr>
<td>5026.0142.00</td>
<td>AX/GXD Unloader Kit M22X1.5</td>
</tr>
<tr>
<td>1215.0584.00</td>
<td>BXD Elect., Cartridge 1885 PSI</td>
</tr>
<tr>
<td>1215.0585.00</td>
<td>AXD Cartridge 2610 PSI</td>
</tr>
<tr>
<td>1215.0586.00</td>
<td>BXD-G,BW/AW/GW,ZW Crtgd. 4000 PSI</td>
</tr>
<tr>
<td>5026.0123.00</td>
<td>LW Unloader Maintenance Kit</td>
</tr>
<tr>
<td>5026.0130.00</td>
<td>LW Unloader Rebuild Kit</td>
</tr>
<tr>
<td>5026.0123.00</td>
<td>VRX, Piston Seal Kit, All VRX’s</td>
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<tr>
<td>2409.0126.00</td>
<td>GXD Piston Kit</td>
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<td>2409.0092.00</td>
<td>AXD/AXS Piston Kit</td>
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<td>2409.0071.00</td>
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<td>2409.0072.00</td>
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<td>2409.0073.00</td>
<td>FW/HW Piston Kit 18mm</td>
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<td>2409.0074.00</td>
<td>FW/SW Piston Kit 20mm</td>
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<td>2409.0146.00</td>
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<td>2409.0145.00</td>
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<td>2409.0116.00</td>
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<td>2409.0114.00</td>
<td>TW Piston Kit 22mm</td>
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<tr>
<td>2409.0115.00</td>
<td>TW Piston Kit 25mm</td>
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Website: www.cometpump.com
## COMET REPAIR KITS

### Check Valve

<table>
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<tr>
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<tbody>
<tr>
<td>5026.0257.00</td>
<td>VRX Check Valve Kit, 2200 PSI</td>
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<tr>
<td>5026.0263.00</td>
<td>VRX Check Valve Kit, 1700 PSI</td>
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<tr>
<td>5026.0270.00</td>
<td>VRX Check Valve Kit, 2400+ PSI</td>
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<tr>
<td>5025.0014.00</td>
<td>AXD/AXS &amp; GXD Check Valve Kit</td>
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<tr>
<td>5025.0027.00</td>
<td>Check Valve Kit, BXD</td>
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<tr>
<td>5025.0030.00</td>
<td>Valve Kit, BWD, AWD &amp; GWD</td>
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<tr>
<td>5025.0025.00</td>
<td>FW2, HWS, RW High Flow, 5+ GPM</td>
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<tr>
<td>5025.0020.00</td>
<td>TW Valve Kit Up to 3600 PSI</td>
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<tr>
<td>5025.0021.00</td>
<td>TW Valve Kit (4000+ PSI)</td>
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<tr>
<td>5025.0050.00</td>
<td>TW Valve Kit (7000 PSI)</td>
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<tr>
<td>5025.0073.00</td>
<td>TW Valve Kit (12000 PSI)</td>
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### Hot Water

- Hot water seal protection
- Contains Hot Water Seals only
- Viton Seals are Chemically Resistant

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>5019.0048.00</td>
<td>LW, ZW, Hot Water, 15mm</td>
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<tr>
<td>5019.0711.00</td>
<td>ZW Kevlar Seal Kit, 15mm</td>
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<tr>
<td>5019.0049.00</td>
<td>LW, HW-Requires 2, Hot Water, 18mm</td>
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<td>5019.0050.00</td>
<td>LW, Viton Seal Kit, 18mm</td>
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<tr>
<td>5019.0051.00</td>
<td>LW, ZW, Viton Seal Kit, 15mm</td>
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<td>5019.0053.00</td>
<td>FW, Hot Water Seal Kit, 18mm</td>
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<tr>
<td>5019.0702.00</td>
<td>FW2, Hot Water Seal Kit, 18mm</td>
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<tr>
<td>5019.0703.00</td>
<td>FW/FW2, Kit (Seals Only), 18mm</td>
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<td>5019.0054.00</td>
<td>FW/FW2, HW Seals Only, 20mm</td>
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<tr>
<td>5019.0669.00</td>
<td>FW/FW2, Complete Kit, 20mm</td>
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<td>5019.0676.00</td>
<td>RW Hot Water Seal Kit, 20mm</td>
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<td>5019.0710.00</td>
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<td>5019.0674.00</td>
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<td>5019.0665.00</td>
<td>SW Kevlar Seal Kit, 20mm</td>
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<td>5019.0670.00</td>
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<td>5019.0736.00</td>
<td>TW Seal Kit 15mm, Water</td>
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<td>5019.0737.00</td>
<td>TW Seal Kit, Oil (Up to 12000 PSI)</td>
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<tr>
<td>5019.0653.00</td>
<td>TW Packing Kit, 18mm</td>
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<td>5019.0654.00</td>
<td>TW Packing Kit, 22mm</td>
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<td>5019.0655.00</td>
<td>TW Packing Kit, 25mm</td>
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<td>5019.0662.00</td>
<td>TW Seal Kevlar Kit, 22mm</td>
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<td>5019.0663.00</td>
<td>TW Seal Kevlar Kit 25mm</td>
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<tr>
<td>5019.0613.00</td>
<td>RW Hot &amp; Cold Seal Kit 18mm</td>
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<td>2409.0293.00</td>
<td>TW Piston Kit 15mm</td>
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### TORQUE SETTINGS Nm (Ft. Lb.)

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<tr>
<th>DESCRIPTION</th>
<th>BX</th>
<th>AX</th>
<th>BW</th>
<th>LW ZW</th>
<th>AW</th>
<th>FW</th>
<th>HW</th>
<th>FW2</th>
<th>RW</th>
<th>SW</th>
<th>TW</th>
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<tbody>
<tr>
<td>Manifold Screw</td>
<td>25 (18.4)</td>
<td>25 (18.4)</td>
<td>10 (7.4)</td>
<td>10 (7.4)</td>
<td>&lt;230 Bar 10 (7.4)</td>
<td>25 (18.4)</td>
<td>25 (18.4)</td>
<td>25 (18.4)</td>
<td>45 (33.2)</td>
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<td>Cap Valve (Aluminum Manifold)</td>
<td>35 (25.8)</td>
<td>40 (9.5)</td>
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<td>Cap Valve (Brass Manifold)</td>
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<td>45 (33.2)</td>
<td>&lt;230 Bar 50 (38.9)</td>
<td>45 (33.2)</td>
<td>50 (36.9)</td>
<td>80 (59.0)</td>
<td>&lt;230 Bar 50 (36.9)</td>
<td>80 (59.0)</td>
<td>Locite 243</td>
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<tr>
<td>Bearings Flange Screw Opposite Shaft Side</td>
<td>4 (3.0)</td>
<td>4 (3.0)</td>
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<td>9 (6.6)</td>
<td>9 (6.6)</td>
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<td>Conn. Rod Screw</td>
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<td>Crankcase Cover Screw</td>
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<td>9 (6.6)</td>
<td>4 (3.0)</td>
<td>4 (3.0)</td>
<td>4 (3.0)</td>
<td>4 (3.0)</td>
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<td>9 (6.6)</td>
<td>9 (6.6)</td>
<td>25 (18.4)</td>
<td>25 (18.4)</td>
<td>25 (18.4)</td>
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<td>Piston Nut</td>
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<tr>
<td>Crankcase Flange Screw</td>
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**ANTI-FREEZE - Pump Saver**

- Protects Pump from Freezing in Winter
- Attaches to any Pump Inlet to Fill Pump Chamber

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.5000.00</td>
<td>Pump Saver, 16 oz.</td>
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**BURNER RINGS**

- Cast Iron for Long Life
- High-Flow Design
- Industry Standard Sizes
- Improved Casting Design

<table>
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<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.0122.00</td>
<td>44-50 Burner Ring, 50-Orifice</td>
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<td>8102.0123.00</td>
<td>44-51 Burner Ring, 51-Orifice</td>
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<tr>
<td>8102.0124.00</td>
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<td>8102.0125.00</td>
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<td>8102.0128.00</td>
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<td>8102.0129.00</td>
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<td>8102.0130.00</td>
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<td>8102.0138.00</td>
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<td>8102.0139.00</td>
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<td>8102.0140.00</td>
<td>44-68 Burner Ring, 68-Orifice</td>
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<td>8102.0141.00</td>
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Not All Sizes Stocked

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<tr>
<td>8102.1210.00</td>
<td>32-69 Burner Ring, 69-Orifice</td>
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<tr>
<td>8102.1212.00</td>
<td>32-69 Burner Ring, 69-Orifice</td>
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<tr>
<td>8102.0182.00</td>
<td>66-69 Burner Ring, 62-Orifice</td>
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<td>8102.0189.00</td>
<td>66-69 Burner Ring, 69-Orifice</td>
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<tr>
<td>8102.0192.00</td>
<td>88-69 Burner Ring, 69-Orifice</td>
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32, 66 & 88- Other nozzle sizes available upon request

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<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.0100.00</td>
<td>Replacement Nozzle</td>
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**BRUSH - Rotating**

- 580 PSI
- 140° F Max
- 3.0mm Nozzle

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<th>Part#</th>
<th>Description</th>
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<tbody>
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<td>8108.9152.00</td>
<td>Nylon Bristles, 1/4” M Inlet</td>
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<td>MV #0201000001</td>
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<td>8108.8300.00</td>
<td>Horse Hair Bristles, 1/4” M Inlet</td>
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<td>MV #0201000011</td>
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<td>8108.3303.00</td>
<td>Nylon Bristles w/Joint, 1/4” F Inlet</td>
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<td>MV #0201000002</td>
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<tr>
<td>8108.3304.00</td>
<td>Horse Hair Bristles w/ Joint, 1/4” F Inlet</td>
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<td>MV #0201000012</td>
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**CARTS - Components**

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<tbody>
<tr>
<td>8102.0202.01</td>
<td>Knuckle &amp; Bolt</td>
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<td>for cart</td>
<td>8102.0202.60</td>
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<td>8402.0264.00</td>
<td>Knuckle &amp; Bolt</td>
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<td>for cart</td>
<td>8402.0201.00</td>
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<td>8102.0260.00</td>
<td>Grommet, Spray Tip Holder</td>
<td>C</td>
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<tr>
<td>8102.0261.00</td>
<td>Rubber Foot w/ Hardware</td>
<td>A</td>
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<tr>
<td>for carts</td>
<td>8102.0201.00, 8102.0202.60 &amp; 8102.0203.00</td>
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<tr>
<td>8402.0260.00</td>
<td>Rubber Foot</td>
<td>D</td>
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<td>for carts</td>
<td>8402.0201.00 &amp; 8402.0202.00</td>
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<tr>
<td>8102.0263.00</td>
<td>Nickel Plated Axle Cap, 5/8”</td>
<td>B</td>
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<tr>
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<td>Nickel Plated Axle Cap, 3/4”</td>
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<td>10” Pneumatic Wheel</td>
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<td>3/4” Industrial Duty Nylon Bearing</td>
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<td>10” Pneumatic Wheel</td>
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<td>5/8” Industrial Duty Nylon Bearing</td>
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<td>3/4” Industrial Duty Nylon Bearing</td>
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<td>8402.0258.00</td>
<td>10” Foam Filled Tire</td>
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<td>3/4” Axle</td>
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<td>10” Foam Filled Tire</td>
<td>C</td>
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<tr>
<td>5/8” Axle</td>
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CARTS - Pressure Washers

- Durable Powder Coat
- Pneumatic Wheels
- Nickel Axle Caps
- Rubber Foot Pads
- Rubber Nozzle Grommets
- Heavy-Duty Welded Steel Frame Cart
- 3/4" Axle

Part# Description
8402.0207.00 A Cart, 10" Wheels
8402.0209.00 A Cart 10" wheels, foam handle
8402.0210.00 B Cart, 13" Wheels
8402.0210.00C Cart, 13" wheels

Up to 6.5 HP Gas Engine or 56C Electric Motor
Base Dimensions: 14.5" x 14.5"

Part# Description
7600.0100.00 A Plate, 2 1/2" Dia
For Pump Models FW, HW, RW, SW & TW
7600.0101.00 A Plate, 1 1/2" Dia
For Pump Models LW & ZW

CARTS - Cart Components

Part# Description
8102.0270.00 4" Pulley
7600.0271.00 24mm Bushing
7600.0272.00 1" Bushing
7600.0276.00 9" Pulley
8102.0274.00 40" Belt B-Style
8102.0275.00 Pulley & Belt Assembly Kit* Includes all of the above, 2 belts, 2 bolts

Part# Description
8102.0301.00 "O" Ring for 1/4" Couplers
8102.0311.00 Hardened Steel Plug, 3/8" FPT
8102.0310.00 Hardened Steel Plug, 3/8" MPT
8102.0312.00 Hardened Steel Plug, 3/8" MPT

CLUTCH

Part# Description Style
8201.0000.00 Clutch, Single Groove
8201.0007.00 Clutch, Double Groove
8201.0009.00 Clutch, Double Groove, 24 volt with 3/4" Industrial Duty Nylon Bearing

Part# Description
7600.0100.00 A Plate, 2 1/2" Dia
For Pump Models FW, HW, RW, SW & TW
7600.0101.00 A Plate, 1 1/2" Dia
For Pump Models LW & ZW

COUPLERS - Insulated

Part# Description
8102.0301.00 Brass Socket, 1/4" FPT
8102.0303.00 Brass Socket, 3/8" FPT
8102.0356.00 Brass Socket, 1/2" FPT
8102.0357.00 Brass Socket, 1/2" MPT

Part# Description
8102.0301.01 "O" Ring for 1/4" Couplers
8102.0311.00 Hardened Steel Plug, 3/8" FPT
8102.0310.00 Hardened Steel Plug, 3/8" MPT
8102.0312.00 Hardened Steel Plug, 3/8" MPT

COUPLERS - QC Sockets

Part# Description
8102.0301.00 Brass Socket, 1/4" MPT
8102.0302.00 Brass Socket, 3/8" FPT
8102.0304.00 Brass Socket, 3/8" MPT
8102.0307.00 Brass Socket, 1/2" FPT
8102.0324.00 Hardened Steel Plug, 1/4" FPT
8102.0328.00 Stainless Steel Plug, 1/4" FPT

COUPLERS - QC Plugs

Part# Description
8102.0311.00 Stainless Steel Plug, 1/4" MPT
8102.0330.00 Stainless Steel Plug, 3/8" FPT
8102.0331.00 Stainless Steel Plug, 3/8" MPT

Stainless Steel Sockets-5000 PSI

Part# Description
8102.0301.00 Stainless Steel, 1/4" FPT
8102.0311.00 Stainless Steel, 1/4" MPT
8102.0310.00 Stainless Steel, 3/8" FPT
8102.0312.00 Stainless Steel, 3/8" MPT

O-RING - Replacement

Part# Description
8102.0301.01 "O" Ring for 1/4" Couplers
8102.0301.02 Viton "O" Ring for 1/4" Couplers
8102.0302.01 "O" Ring for 3/8" Couplers
8102.0302.02 Viton "O" Ring for 3/8" Couplers
8102.0356.01 "O" Ring for 1/2" Couplers
## COUPLERS - QC Plugs

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<td>Brass Plug, 1/4&quot; MPT</td>
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<td>8102.0352.00</td>
<td>Brass Plug, 3/8&quot; FPT</td>
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<tr>
<td>8102.0353.00</td>
<td>Brass Plug, 3/8&quot; MPT</td>
</tr>
<tr>
<td>8102.0363.00</td>
<td>Brass Plug, 1/2&quot; FPT</td>
</tr>
<tr>
<td>8102.0362.00</td>
<td>Brass Plug, 1/2&quot; MPT</td>
</tr>
</tbody>
</table>

### Brass Plugs
- Industrial Grade Steel
- Precision Machined Parts
- 5000 PSI - 1/4"
- 4000 PSI - 3/8" & 1/2"
- Box Qty 100

### ST-N2 Steel Plugs

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8102.0320.00</td>
<td>Steel Plug, 1/4&quot; FPT</td>
</tr>
<tr>
<td>8102.0321.00</td>
<td>Steel Plug, 1/4&quot; MPT</td>
</tr>
<tr>
<td>8102.0322.00</td>
<td>Steel Plug, 3/8&quot; FPT</td>
</tr>
<tr>
<td>8102.0323.00</td>
<td>Steel Plug, 3/8&quot; MPT</td>
</tr>
<tr>
<td>8102.0355.00</td>
<td>Steel Plug, 1/2&quot; MPT</td>
</tr>
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### Hardened Steel Plugs

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8102.0324.00</td>
<td>Hardened Steel Plug, 1/4&quot; FPT</td>
</tr>
<tr>
<td>8102.0325.00</td>
<td>Hardened Steel Plug, 1/4&quot; MPT</td>
</tr>
<tr>
<td>8102.0326.00</td>
<td>Hardened Steel Plug, 3/8&quot; FPT</td>
</tr>
<tr>
<td>8102.0327.00</td>
<td>Hardened Steel Plug, 3/8&quot; MPT</td>
</tr>
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</table>

### Stainless Steel Plugs-5000 PSI

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>8102.0328.00</td>
<td>Stainless Steel Plug, 1/4&quot; FPT</td>
</tr>
<tr>
<td>8102.0329.00</td>
<td>Stainless Steel Plug, 1/4&quot; MPT</td>
</tr>
<tr>
<td>8102.0330.00</td>
<td>Stainless Steel Plug, 3/8&quot; FPT</td>
</tr>
<tr>
<td>8102.0331.00</td>
<td>Stainless Steel Plug, 3/8&quot; MPT</td>
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</table>

## COUPLERS - Twist Connect & QC

- Secure Twist Connection
- Click Lock Design
- 4000 PSI

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8402.1305.00</td>
<td>Coupler M22F x 3/8&quot; QC</td>
</tr>
</tbody>
</table>

## COUPLERS - Twist Connect & QC

- Adapts from QC to M22 Twist Connect
- 4000 PSI
- Box Qty 100

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.8518.00</td>
<td>3/8&quot; QC Socket X M22M</td>
</tr>
<tr>
<td>8102.8519.00</td>
<td>3/8&quot; QC Plug x M22F</td>
</tr>
</tbody>
</table>

## COUPLERS - Twist Connect, 1/2” MVG

- 1/2” Coupling
- 10.6 GPM
- 4060 PSI
- 302°F
- Box Qty 25

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.9156.00</td>
<td>Body G 1/4&quot; F</td>
</tr>
<tr>
<td>8108.9157.00</td>
<td>Body G 1/4&quot; M</td>
</tr>
<tr>
<td>8108.8019.00</td>
<td>Body G 3/8&quot; F</td>
</tr>
<tr>
<td>8108.7012.00</td>
<td>Body G 3/8&quot; M</td>
</tr>
<tr>
<td>8108.7013.00</td>
<td>Plug G 1/4&quot; F</td>
</tr>
<tr>
<td>8108.9124.00</td>
<td>Plug G 1/4&quot; M</td>
</tr>
<tr>
<td>8108.7014.00</td>
<td>Plug G 3/8&quot; F</td>
</tr>
<tr>
<td>8108.7015.00</td>
<td>Plug G 3/8&quot; M</td>
</tr>
</tbody>
</table>

## COUPLERS - Twist Connect, M22

- 10.6 GPM
- 302°F
- Box Qty 25
- 8 GPM

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.9125.00</td>
<td>Body, 1/4&quot; F x M22F, 3600 PSI</td>
</tr>
<tr>
<td>8108.8302.00</td>
<td>Body, 1/4&quot; M x M22F, 3600 PSI</td>
</tr>
<tr>
<td>8108.7004.00</td>
<td>Body, 3/8&quot; F x M22F, 3600 PSI</td>
</tr>
<tr>
<td>8108.8301.00</td>
<td>Body, 3/8&quot; M x M22F, 3600 PSI</td>
</tr>
<tr>
<td>8108.8303.00</td>
<td>Plug, 1/4&quot; F x M22M, 4060 PSI</td>
</tr>
<tr>
<td>8108.7005.00</td>
<td>Plug, 1/4&quot; M x M22M, 4060 PSI</td>
</tr>
<tr>
<td>8108.7006.00</td>
<td>Plug, 3/8&quot; F x M22M, 4060 PSI</td>
</tr>
<tr>
<td>8108.7007.00</td>
<td>Plug, 3/8&quot; M x M22M, 4060 PSI</td>
</tr>
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**COUPLERS - Twist Connect, M22**

- Secure Twist Connection
- Precision Machined
- 10 GPM
- 4000 PSI
- Box Qty 100

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.6000.00</td>
<td>Body, 1/4&quot; FPT x M22F, Brass</td>
<td>A</td>
</tr>
<tr>
<td>8102.6020.00</td>
<td>Body, 1/4&quot; MPT x M22F Brass</td>
<td>B</td>
</tr>
<tr>
<td>8102.6001.00</td>
<td>Body, 3/8&quot; FPT x M22F, Zinc</td>
<td>C</td>
</tr>
<tr>
<td>8102.8521.00</td>
<td>Body, 3/8&quot; MPT x M22F Brass</td>
<td>D</td>
</tr>
<tr>
<td>8102.6002.00</td>
<td>Plug, 1/4&quot; FPT x M22M</td>
<td>E</td>
</tr>
<tr>
<td>8102.6004.00</td>
<td>Plug, 1/4&quot; MPT x M22M</td>
<td>F</td>
</tr>
<tr>
<td>8102.6003.00</td>
<td>Plug, 3/8&quot; FPT x M22M</td>
<td>G</td>
</tr>
<tr>
<td>8102.6005.00</td>
<td>Plug, 3/8&quot; MPT x M22M</td>
<td>H</td>
</tr>
<tr>
<td>8102.6000.01</td>
<td>O-ring, Twist Connect</td>
<td></td>
</tr>
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**FILTERS - Self-Cleaning**

- 40 GPM
- 290 PSI
- 60° F
- Polypropylene

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8006.00</td>
<td>Filter, In-Line G1&quot; F, 80 Mesh MV #8106002</td>
</tr>
<tr>
<td>8108.8007.00</td>
<td>Filter, In-Line G1&quot; F, 100 Mesh MV #8106003</td>
</tr>
<tr>
<td>8108.8009.00</td>
<td>Filter, In-Line 1&quot; FPT, 100 Mesh MV #8106007</td>
</tr>
</tbody>
</table>

**FILTER - MV 19**

- 8 GPM
- 116 PSI
- 140° F
- 70 micron; 290 mesh
- 3/4" F Inlet x 3/4" M Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8033.00</td>
<td>Plastic, clear, suction MV #0211001110</td>
</tr>
</tbody>
</table>

**FILTERS - Canister**

- 174 PSI
- 1" (F x F) Connection
- Uses 9-3/4" Filters

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8402.0430.00</td>
<td>Poly carbonate Housing</td>
</tr>
<tr>
<td>8402.0431.00</td>
<td>Filter, Plastic, 60 Microns, 9 3/4&quot;</td>
</tr>
<tr>
<td>8107.0432.00</td>
<td>Filter, Carbon Block, 5 Microns</td>
</tr>
</tbody>
</table>

**FILTERS - High Pressure**

- 10.5 GPM
- Max PSI 5000
- Max Temp 194°
- Stainless w/Brass Insert
- 80 Mesh

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.0335.00</td>
<td>Filter 1/4&quot; FPT x 1/4&quot; MPT</td>
</tr>
<tr>
<td>8402.0334.00</td>
<td>Filter 1/4&quot; QC x 1/4&quot; MPT</td>
</tr>
<tr>
<td>8402.0334.01</td>
<td>Screen, High Pressure Filter</td>
</tr>
</tbody>
</table>
**FILTERS - Chemical Suction**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.0205.00</td>
<td>Chemical Strainer--with Check</td>
<td>A</td>
</tr>
<tr>
<td>8108.7024.00</td>
<td>Chemical Strainer--with Ballast MV #8064000</td>
<td>B</td>
</tr>
<tr>
<td>8108.9119.00</td>
<td>Intake Strainer, MV 15 MV #0211000120</td>
<td>C</td>
</tr>
<tr>
<td>8108.9118.00</td>
<td>Intake Strainer, MV 16 w/Check MV #0211000120</td>
<td>D</td>
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</table>

**FILTER - Inlet**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
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</thead>
<tbody>
<tr>
<td>8402.0410.00</td>
<td>Inlet Filter, 1/2” F x 1/2” M</td>
<td>B</td>
</tr>
<tr>
<td>8402.0411.00</td>
<td>Replacement Blue Cap</td>
<td>A</td>
</tr>
<tr>
<td>8402.0412.00</td>
<td>Replacement Screen</td>
<td>A</td>
</tr>
<tr>
<td>8102.0401.00</td>
<td>Inlet Filter, FGH x 1/2” M w/ Garden Hose Adaptor</td>
<td>A</td>
</tr>
</tbody>
</table>

**FILTER - Inlet, Clear Bowl**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.0460.00</td>
<td>Filter, No By-Pass</td>
<td>A</td>
</tr>
<tr>
<td>8102.0461.00</td>
<td>Filter, 1/4” By-Pass</td>
<td>A</td>
</tr>
<tr>
<td>8102.0460.01</td>
<td>Replacement Sleeve</td>
<td>A</td>
</tr>
<tr>
<td>8102.0460.02</td>
<td>Replacement O-Ring</td>
<td>A</td>
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</table>

**FILTER - Tank Suction**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.0440.00</td>
<td>Tank Suction Filter</td>
<td>A</td>
</tr>
<tr>
<td>8402.0441.00</td>
<td>Tank Suction Filter w/Check</td>
<td>A</td>
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**FILTER - Strainer MV 18**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.7016.00</td>
<td>1/2”F x 1/2”M x 1/4”F By-Pass MV #0211001080</td>
</tr>
<tr>
<td>8108.7011.00</td>
<td>1/2”F x 1/2”, No By-Pass MV #0211001090</td>
</tr>
<tr>
<td>1002.0110.00</td>
<td>1/2”F x 1/2”, No By-Pass MV #0211001100</td>
</tr>
<tr>
<td>8108.7017.00</td>
<td>Cap MV #0103740020</td>
</tr>
<tr>
<td>8108.7022.00</td>
<td>O-ring MV #0110750960</td>
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**FILTER - Intake Strainer**

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>8107.2011.00</td>
<td>1/2” F x 1/2” F MV #0211000520</td>
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<tr>
<td>8107.2012.00</td>
<td>3/4” F x 3/4” F MV #0211000530</td>
</tr>
<tr>
<td>8107.2013.00</td>
<td>1” F x 1” F MV #0211000540</td>
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**FITTERS - Garden Hose**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8105.0600.00</td>
<td>3/8” MPT x FGH A</td>
</tr>
<tr>
<td>8105.0601.00</td>
<td>1/2” MPT x FGH A</td>
</tr>
<tr>
<td>8105.0501.00</td>
<td>3/8” MPT x FGH B</td>
</tr>
<tr>
<td>8105.0500.00</td>
<td>1/2” MPT x FGH B</td>
</tr>
<tr>
<td>8105.0502.00</td>
<td>1/2” FPT x FGH C</td>
</tr>
<tr>
<td>8102.0450.00</td>
<td>Filter Washer for GH Adapter D</td>
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**FITTERS - QC Garden Hose**

<table>
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<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.0335.00</td>
<td>Plug, Brass, 1/2” QC x MGH A</td>
</tr>
<tr>
<td>8102.0336.00</td>
<td>Coupler, Brass, 1/2” QC x FGH B</td>
</tr>
<tr>
<td>8102.0337.00</td>
<td>Garden Hose QC Set</td>
</tr>
<tr>
<td>8102.0338.00</td>
<td>Plug, Brass, 3/4” FBSP C</td>
</tr>
<tr>
<td>8102.0451.00</td>
<td>Washer, Garden Hose D</td>
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### Fittings - Misc.

<table>
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<tr>
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<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>8102.6017.00</td>
<td>Street L, 1/8&quot; M x 1/4&quot; F, Brass</td>
<td>A</td>
</tr>
<tr>
<td>8102.0503.00</td>
<td>Street L, 1/4&quot; M x 1/4&quot; F</td>
<td>A</td>
</tr>
<tr>
<td>8102.0509.00</td>
<td>Street L, 3/8&quot; M x 1/4&quot; F, Brass</td>
<td>A</td>
</tr>
<tr>
<td>8102.0504.00</td>
<td>Street L, 3/8&quot; M x 3/8&quot; F</td>
<td>B</td>
</tr>
<tr>
<td>8107.0508.00</td>
<td>Street L, 1/2&quot; M x 1/2&quot; F, Brass</td>
<td>A</td>
</tr>
<tr>
<td>8102.0502.00</td>
<td>Tee, 3/8&quot; F x 3/8&quot; F x 3/8&quot; F</td>
<td>B</td>
</tr>
<tr>
<td>8102.0512.00</td>
<td>Nipple 1/4&quot; MPT x 1/4&quot; MPT, Brass</td>
<td>C</td>
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<tr>
<td>8102.6016.00</td>
<td>Nipple 3/8&quot; MPT x 1/4&quot; MPT, Brass</td>
<td>C</td>
</tr>
<tr>
<td>8102.0505.00</td>
<td>Nipple, 3/8&quot; MPT x 3/8&quot; MPT, Brass</td>
<td>C</td>
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<tr>
<td>8102.6011.00</td>
<td>Nipple, 1/2&quot; MPT x 1/2&quot; MPT, Brass</td>
<td>C</td>
</tr>
<tr>
<td>8102.6006.00</td>
<td>Nipple, M22M x M22M</td>
<td>C</td>
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<tr>
<td>8102.0520.00</td>
<td>Bushing 3/8&quot;MPT x 1/4&quot;FPT, Brass</td>
<td>D</td>
</tr>
<tr>
<td>8102.0506.00</td>
<td>Bushing 1/2&quot;MPT x 3/8&quot;FPT, Brass</td>
<td>D</td>
</tr>
<tr>
<td>8102.0519.00</td>
<td>Bushing 3/4&quot;MPT x 1/2&quot;FPT, Brass</td>
<td>D</td>
</tr>
<tr>
<td>8102.6012.00</td>
<td>Adapter 3/8&quot;FPT x 1/4&quot;MPT, Brass</td>
<td>E</td>
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<tr>
<td>8102.6014.00</td>
<td>Coupling, 3/8&quot; F, Brass</td>
<td>F</td>
</tr>
<tr>
<td>8102.0507.00</td>
<td>Hose Barb 3/8&quot; x 1/4&quot; MPT, Brass</td>
<td>G</td>
</tr>
<tr>
<td>8102.0508.00</td>
<td>Hose Barb 3/8&quot; x 3/8&quot; MPT, Brass</td>
<td>G</td>
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<tr>
<td>8102.0517.00</td>
<td>Hose Barb 1/2&quot; x 3/8&quot; MPT, Brass</td>
<td>G</td>
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<tr>
<td>8102.0518.00</td>
<td>Hose Barb 1/2&quot; x 1/2&quot; MPT, Brass</td>
<td>G</td>
</tr>
<tr>
<td>8102.6022.00</td>
<td>Plug 3/4&quot; brass</td>
<td></td>
</tr>
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### Float Coupler - Love Joy

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

### Float Valves

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.2602.00</td>
<td>Valve, Brass, 105 PSI</td>
<td>A</td>
</tr>
<tr>
<td>8107.2601.00</td>
<td>Valve, Plastic, 145 PSI</td>
<td>B</td>
</tr>
</tbody>
</table>

### Float Tank

- 0.8 Gallon Tank
- 140° F Max.
- Tank includes Lid
- Panel Mount
- Box Qty 10

### Floater - MVF 808

- 1800 PSI
- 140° F
- 1/4" Female Inlet
- Box Qty 5

### Floater - Professional FL 803

- 5.3 GPM
- 2900 PSI
- 140° F
- 1/4" Female Inlet
- Box Qty 5

### Floater - Professional LS 10

- 6.5 GPM
- 3200 PSI
- 150° F
- 3/8" Male Inlet
- .5 Gal. Tank
- Box Qty 5

### Gasket - Manifold

- Extra Protection Against a Dirty Environment

### E-mail: cometpump@cometpump.com
GAUGES - Pressure

- 3/8” QD Brass Socket w/ Stainless Steel Collar
- 3/8” QD Brass Plug
- 1/4” FPT Gauge Port

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>8102.0332.00</td>
<td>QD Gauge Fitting</td>
</tr>
<tr>
<td>8102.0340.00</td>
<td>QD Gauge Kit w/4000 PSI Gauge</td>
</tr>
</tbody>
</table>

GAUGES - Pressure

- Glycerin Filled
- 1/4” MNPT Inlet
- Stainless Steel Case
- 2-1/2” Diameter

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>8106.0607.00</td>
<td>Gauge, 1500 PSI, Back Mount</td>
</tr>
<tr>
<td>8106.0602.00</td>
<td>Gauge, 2000 PSI, Back Mount</td>
</tr>
<tr>
<td>8106.0620.50</td>
<td>Clamp, Universal, Gauge</td>
</tr>
<tr>
<td>8106.0613.00</td>
<td>Gauge, 3000 PSI, Comet Logo</td>
</tr>
<tr>
<td>8106.0614.00</td>
<td>Gauge, 4000 PSI, Comet Logo</td>
</tr>
<tr>
<td>8106.0627.00</td>
<td>Gauge, 5000 PSI, Single Scale</td>
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<tr>
<td>8106.0616.00</td>
<td>Gauge, 5000 PSI, Back Mount</td>
</tr>
<tr>
<td>8106.0615.00</td>
<td>Gauge, 6000 PSI, Comet Logo</td>
</tr>
<tr>
<td>8106.0618.00</td>
<td>Gauge, 6000 PSI, Back Mount</td>
</tr>
<tr>
<td>8106.0620.00</td>
<td>Gauge, 10K PSI, Single Scale</td>
</tr>
</tbody>
</table>

*Gauges are Bottom Mount except where noted.

GEAR REDUCERS - Gas Engine

- 2.2:1 Gear Ratio
- Helical Cut Gears
- Oil Ring Seal

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5005.0207.00</td>
<td>Gear Reducer, 1&quot;, 9-20 HP</td>
</tr>
<tr>
<td>5005.0209.00</td>
<td>Gear Reducer, 1-1/8&quot;, 9-20 HP</td>
</tr>
<tr>
<td>5005.0236.00</td>
<td>Gear Reducer, 1&quot;, 25 HP</td>
</tr>
<tr>
<td>5005.0237.00</td>
<td>Gear Reducer, 1-1/8&quot;, 25 HP</td>
</tr>
<tr>
<td>5005.0254.00</td>
<td>Gear Box, 1500 RPM ELR, ELHR</td>
</tr>
<tr>
<td>5005.0255.00</td>
<td>Gear Box, 1900 RPM ELR, ELHR</td>
</tr>
<tr>
<td>5005.0246.00</td>
<td>Gear Box, 1500 RPM G &amp; GL</td>
</tr>
<tr>
<td>5005.0247.00</td>
<td>Gear Box, 1800 RPM G &amp; GL</td>
</tr>
<tr>
<td>5005.0249.00</td>
<td>Gear Box, 1500 RPM SL</td>
</tr>
<tr>
<td>5005.0250.00</td>
<td>Gear Box, 1800 RPM SL</td>
</tr>
</tbody>
</table>

GUNS - ML 710 & L 70

- 16 GPM
- 10,150 Max PSI
- 250° F Max

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7605.00</td>
<td>Spray Gun, 3/8” F Inlet/Outlet</td>
</tr>
<tr>
<td>8108.7605.01</td>
<td>Repair Kit, ML 710</td>
</tr>
<tr>
<td>8108.7102.00</td>
<td>Shoulder Support</td>
</tr>
<tr>
<td>8108.7270.00</td>
<td>Lance Extension, L 70, 31”</td>
</tr>
<tr>
<td>8108.7271.00</td>
<td>Lance Extension, L70, 47”</td>
</tr>
</tbody>
</table>

GUNS - RL 600 SST

- 15.8 GPM @ 9500 PSI
- 210° F Max
- 3/8” F In/outlet
- AISI 303 Stainless Steel

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8116.1619.00</td>
<td>Spray Gun</td>
</tr>
<tr>
<td>8108.7102.00</td>
<td>Shoulder Support</td>
</tr>
</tbody>
</table>

GUNS - RL 84

- 21 GPM @ 8100 PSI
- 210° F Max
- 1/2” F Inlet
- 1/2” F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.1608.00</td>
<td>Spray Gun</td>
</tr>
</tbody>
</table>

GUNS-EXTENSION - RL 84

- 53 GPM @ 8100 PSI
- 109° F Max
- 1/2” Male Inlet
- 1/4” Female Outlet
- Stainless Steel AISI 304

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8116.1608.10</td>
<td>Lance Extension, 15.7”</td>
</tr>
<tr>
<td>8116.1603.10</td>
<td>Lance Extension, 31.5”</td>
</tr>
<tr>
<td>8116.1608.20</td>
<td>Lance Extension, 50”</td>
</tr>
</tbody>
</table>

*Honda Approved
Pumps and Accessories Catalog 2017

GUNS - ML 510 & L 200

- 16 GPM @ 8100 PSI
- 250° F Max
- 1/2" F In/Out

Part# Description
8108.8626.00 Spray Gun
8108.7605.01 Repair Kit
8108.7602.00 Shoulder Support
8108.8625.01 Lance Ext L200 32” 1/2”M In, 1/4”F Out
8108.8625.02 Lance Ext L200 48” 1/2”M In, 1/4”F Out

GUNS - ML 960

- 7.4 GPM @ 8000 PSI
- 320° F
- 3/8” F In, 1/4” F Out
- Stainless Steel
- Soft Touch Rubber Grip

Part# Description
8108.8631.00 Spray Gun
8108.8631.01 Repair Kit

GUNS - RL 57

- 7.5 GPM @ 8100 PSI
- 320° F
- 3/8” F Inlet
- 1/4” F Outlet
- Stainless Steel 303

Part# Description
8116.1616.00 Spray Gun
8116.1612.00 Repair Kit

GUNS - RM 56

- 8 GPM @ 5650 PSI
- 300° F
- 3/8” F Inlet
- 1/4” F Outlet

Part# Description
8116.1612.00 Spray Gun, Compensated

GUNS - MV 951

- 11 GPM @ 5075 PSI
- 300° F
- 3/8” Female Inlet
- 1/4” Female Outlet

Part# Description
8108.1611.00 Spray Gun
8108.1611.01 Repair Kit

GUNS - Free Flow MV 951

- 11 GPM @ 5075 PSI
- 300° F
- 3/8” Female Inlet
- 1/4” Female Outlet

Part# Description
8108.1612.00 Spray Gun, Triggerless

GUNS - Weep MV 951

- 11 GPM @ 5075 PSI
- 300° F
- 3/8” Female Inlet
- 1/4” Female Outlet

Part# Description
8108.8611.00 Spray Gun, Weep, Blue Trigger Lock
8108.8611.01 Repair Kit, Weep
8108.8612.00 Spray Gun, Low Pressure Weep, Green Trigger Lock
8108.8612.01 Repair Kit, Low Pressure Weep

GUNS - Ceramic Ball MV 2012

- 11 GPM @ 5075 PSI
- 320° F
- 3/8” F Inlet
- 1/4” F Outlet

Part# Description
8108.8615.00 Spray Gun
8108.8615.01 Repair Kit

E-mail: cometpump@cometpump.com
### GUNS - MV 2012

- **Box Qty 20**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8613.00</td>
<td>Spray Gun</td>
<td>MV #4012203008</td>
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<tr>
<td>8108.8613.01</td>
<td>Repair Kit</td>
<td>MV #4019900013</td>
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### GUNS - Stainless Steel MV 2002

- **Box Qty 20**

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<tr>
<th>Part#</th>
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<tbody>
<tr>
<td>8108.9037.00</td>
<td>Spray Gun</td>
<td>MV #0200011510</td>
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<tr>
<td>8108.9037.01</td>
<td>Repair Kit</td>
<td>MV #020011500</td>
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### GUNS - Swivel MV 2002

- **Box Qty 20**

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<tr>
<td>8108.8614.00</td>
<td>Spray Gun</td>
<td>MV #4012303010</td>
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<tr>
<td>8108.8613.01</td>
<td>Repair Kit</td>
<td>MV #4019900013</td>
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### GUNS - RL 30

- **Box Qty 20**

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<tbody>
<tr>
<td>8116.1600.00</td>
<td>Spray Gun</td>
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<tr>
<td>8116.1614.00</td>
<td>Spray Gun, Ceramic Ball</td>
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### GUNS - Linear 3 Horizontal

- **Box Qty 20**

<table>
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<th>Part#</th>
<th>Description</th>
<th>Description</th>
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<tbody>
<tr>
<td>8116.1615.00</td>
<td>Spray Gun, Horizontal</td>
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### GUNS - MV 925

- **Box Qty 20**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8617.00</td>
<td>Spray Gun</td>
<td>MV #4012205005</td>
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<tr>
<td>8108.8624.00</td>
<td>Spray Gun</td>
<td>MV #4012205002</td>
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<tr>
<td>8108.8618.00</td>
<td>Spray Gun, Swivel</td>
<td>MV #4012305005</td>
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<tr>
<td>8108.8619.00</td>
<td>Spray Gun, Swivel, Heavy Duty</td>
<td>MV #4012305011</td>
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<tr>
<td>8108.8617.01</td>
<td>Repair Kit</td>
<td>MV #4019900025</td>
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<tr>
<td>8108.8620.00</td>
<td>Spray Gun, Weep</td>
<td>MV #4012405005</td>
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<tr>
<td>8108.8620.01</td>
<td>Repair Kit</td>
<td>MV #4019900032</td>
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<tr>
<td>8108.8621.00</td>
<td>Spray Gun, Weep, Low Pressure</td>
<td>MV #4012405008</td>
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<tr>
<td>8108.8621.01</td>
<td>Repair Kit</td>
<td>MV #4019900033</td>
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### GUNS - Free Flow MV 925

- **Box Qty 20**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8622.00</td>
<td>Spray Gun, Free Flow</td>
<td>MV #4012905001</td>
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<tr>
<td>8108.8622.01</td>
<td>Repair Kit</td>
<td>MV #4019900039</td>
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### GUNS - ML 957

- **Box Qty 20**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8630.00</td>
<td>Spray Gun</td>
<td>MV #4017000047</td>
</tr>
<tr>
<td>8108.8630.01</td>
<td>Repair Kit</td>
<td>MV #4019900079</td>
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<tr>
<td>Part#</td>
<td>Description</td>
<td>GUN Details</td>
</tr>
<tr>
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<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8116.1613.00</td>
<td>Spray Gun</td>
<td>13.2 GPM @ 4050 PSI, 320° F, 3/8” F Inlet, 1/4” F Outlet</td>
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<tr>
<td>8108.9033.00</td>
<td>Spray Gun, MV #020009330</td>
<td>7 GPM @ 4000 PSI, 300° F, 3/8” F Inlet, M22M Outlet</td>
</tr>
<tr>
<td>8108.1625.01</td>
<td>Repair Kit, MV #020109000</td>
<td>8 GPM @ 3700 PSI, 320° F, 3/8” F Inlet, 1/4” F Outlet</td>
</tr>
<tr>
<td>8108.1607.00</td>
<td>Spray Gun, MV #0200066120</td>
<td>53 GPM @ 3200 PSI, 210° F, 3/4” F Inlet, 1/2” F Outlet</td>
</tr>
<tr>
<td>8116.1608.10</td>
<td>Lance Extension, 15.7”</td>
<td>53 GPM @ 8100 PSI, 109° F Max, 1/2” M In, 1/4” F Out Stainless Steel AISI 304</td>
</tr>
<tr>
<td>8116.1603.10</td>
<td>Lance Extension, 31.5”</td>
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</tr>
<tr>
<td>8116.1608.20</td>
<td>Lance Extension, 50”</td>
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### GUNS - ML 210 & L200

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GUN Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8625.00</td>
<td>Spray Gun, MV #401400002</td>
<td>53 GPM @ 3200 PSI, 250° F, 3/4” F Inlet, 1/2” F Outlet</td>
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<tr>
<td>8108.8625.03</td>
<td>Repair Kit, MV #4018900052</td>
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<tr>
<td>8108.7102.00</td>
<td>Shoulder Support, MV #413230000</td>
<td></td>
</tr>
<tr>
<td>8108.8625.01</td>
<td>Lance L200, 32”, MV #4030500008</td>
<td></td>
</tr>
<tr>
<td>8108.8625.02</td>
<td>Lance L200, 48”, MV #4030500009</td>
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### GUNS - Front Entry-7027

<table>
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<th>GUN Details</th>
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<tbody>
<tr>
<td>8102.1601.00</td>
<td>Spray Gun</td>
<td>10 GPM @ 3200 PSI, 210° F, 3/8” F Front Inlet, 1/4” F Outlet</td>
</tr>
<tr>
<td>8102.1601.01</td>
<td>Repair Kit</td>
<td></td>
</tr>
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### GUNS - MV 960

<table>
<thead>
<tr>
<th>Part#</th>
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<tbody>
<tr>
<td>8108.9028.00</td>
<td>Spray Gun, MV #0200004810</td>
<td>7 GPM @ 2600 PSI, 210° F, 3/8” F Inlet, Box Qty 20</td>
</tr>
<tr>
<td>8108.1601.01</td>
<td>Repair Kit, Standard, MV #0200104000</td>
<td></td>
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### GUNS - MV 910

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GUN Details</th>
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<tbody>
<tr>
<td>8108.1607.00</td>
<td>Spray Gun, MV #0200006000</td>
<td>5 GPM @ 2000 PSI, 180° F, 1/4” M Inlet, 1/4” F Outlet</td>
</tr>
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</table>

### GUNS - RL 124

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GUN Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.1609.00</td>
<td>Spray Gun</td>
<td>32 GPM @ 1950 PSI, 109° F, 1/2” F Inlet, 1/2” F Outlet</td>
</tr>
</tbody>
</table>

E-mail: cometpump@cometpump.com
### Part# Description
#### GUN LANCE - Vented, MV 2006
- **Part#** 8108.9043.00
- **Description** Gun Lance MV #0200916120
- **Box Qty 5**
- **8 GPM @ 3700 PSI**
- **320° F Max**
- **3/8” F Inlet**
- **M22F Outlet**

#### GUN LANCE - Vented, MV 2005
- **Part#** 8108.8607.00
- **Description** Gun Lance MV #0200917120
- **Box Qty 20**
- **8 GPM @ 3700 PSI**
- **320° F Max**
- **3/8” F Inlet**
- **M22F Outlet**

#### GUN LANCE - w/Vari Spray
- **Box Qty 5**
- **Nozzle Sold Separately**
- **AL55 & LM25**
- **12 GPM @ 3625 PSI**
- **194° F Max**
- **SST AISI 304**

#### GUN LANCE - MV925 & MV70
- **Part#** 8108.7649.00
- **Description** Gun Lance MV #0202105009
- **Box Qty 15**
- **8 GPM @ 4500 PSI**
- **320° F Max**
- **3/8” FPT x M22F**

#### GUN LANCE - MV 925
- **Part#** 8108.7654.00
- **Description** Gun Lance MV #0202105006
- **Box Qty 15**
- **8 GPM @ 4500 PSI**
- **320° F Max**
- **3/8” FPT x 1/4” F Out**

---

#### GUN LANCE - Molded
- **Part#** 8108.7604.00
- **Description** 3/8” F Inlet x M22F Outlet MV #040211090010
- **Box Qty 15**
- **8 GPM @ 4000 PSI**
- **210° F Max**
- **3/8” QC Plug Inlet**
- **36” Lance w/1/4” QC Socket Outlet**
- **Holds Four Additional QC Nozzles**
- **Includes Side Grip Handle**

#### GUN LANCE - Molded, MV 2009
- **Part#** 8108.7603.00
- **Description** 3/8” F Inlet x M22F Outlet MV #040211090010
- **Box Qty 15**
- **8 GPM @ 4000 PSI**
- **210° F Max**

#### GUN LANCE - Molded, MV 920
- **Part#** 8108.7641.00
- **Description** Weep, 3/8” F Inlet x 1/4” F Outlet MV #0400909290
- **Box Qty 55**
- **7 GPM @ 4000 PSI**
- **300° F Max**
### GUN LANCE - Molded, MV 2008

- 7 GPM @ 3200 PSI
- 140° F Max
- Front Entry

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>MV</th>
</tr>
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<tbody>
<tr>
<td>8108.7600.00</td>
<td>3/8” F Inlet x M22F Outlet MV #0400009002</td>
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</tr>
<tr>
<td>8108.9039.00</td>
<td>M22M Inlet x M22F Outlet MV #4020008003</td>
<td></td>
</tr>
</tbody>
</table>

### GUN LANCE - Jolly 25 & Nozzles

- Box Qty 10
- 8 GPM
- 362 PSI w/Metal Nozzle
- 217 PSI w/Plastic Nozzle
- 125°F

*Nozzles Sold Separately Below

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>MV</th>
</tr>
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<tbody>
<tr>
<td>8108.7222.00</td>
<td>Gun &amp; Lance 36.5” SS AISI 316, EPDM O-Ring, Blue</td>
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<tr>
<td></td>
<td>MV #4020009002</td>
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<tr>
<td>8108.7225.00</td>
<td>Gun &amp; Lance 36.5” SS AISI 316, Viton O-Ring, Red</td>
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<tr>
<td></td>
<td>MV #4020009006</td>
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<tr>
<td>8108.7228.00</td>
<td>Gun &amp; Lance 36” PVC, EPDM O-Ring, Blue</td>
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<td>MV #4020009010</td>
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<tr>
<td>8108.7231.00</td>
<td>Gun &amp; Lance 36” PVC, Viton O-Ring, Red</td>
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<td>MV #4020009014</td>
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<tr>
<td>8108.7210.00</td>
<td>Spraygun, EPDM O-Ring, 1/2”Fx1/2” M, Blue</td>
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<td>MV #4010007000</td>
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<td>8108.7211.00</td>
<td>Spraygun, Viton O-Ring, 1/2”Fx1/2”M, Red</td>
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<td>MV #4010007001</td>
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### Nozzles Sold Separately Below

<table>
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<th>Part#</th>
<th>Description</th>
<th>MV</th>
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</thead>
<tbody>
<tr>
<td>8108.7222.10</td>
<td>Nozzle, 80 Deg. 010 Orange</td>
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<tr>
<td></td>
<td>MV #4059500018</td>
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</tr>
<tr>
<td>8108.7222.15</td>
<td>Nozzle, 80 Deg. 015 Green</td>
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<tr>
<td></td>
<td>MV #4059500019</td>
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</tr>
<tr>
<td>8108.7222.20</td>
<td>Nozzle, 80 Deg. 020 Yellow</td>
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<td>MV #4059500012</td>
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<tr>
<td>8108.7222.30</td>
<td>Nozzle, 80 Deg. 030 Blue</td>
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<tr>
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<td>MV #4059500013</td>
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<td>8108.7222.40</td>
<td>Nozzle, 80 Deg. 040 Red</td>
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<td>MV #4059500014</td>
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<td>8108.7222.50</td>
<td>Nozzle, 80 Deg. 050 Brown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MV #4059500015</td>
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<tr>
<td>8108.7222.60</td>
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<tr>
<td>8108.7222.80</td>
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<td></td>
<td>MV #4059500017</td>
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### GUN LANCE - Hobby Kit

- Front Load Gun @ 2950 PSI
- Molded 36” Split Lance
- Vari-Nozzle #3
- 25” x 1/4” 3000 PSI w/M22 Fitting
- 140° F Max Temp

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.2600.00</td>
<td>Gun/Lance</td>
</tr>
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</table>

### HOSE ASSEMBLIES - 4000 PSI

- 4000 PSI Max.
- 250° F, (275°F Intermittent)
- 3/8”M Solid x 3/8”M Swivel
- Bend Restrictor on Both Ends
- Single Wire

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8115.0840.00</td>
<td>4000-25, Black, 25’</td>
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<tr>
<td>8115.0841.00</td>
<td>4000-50, Black, 50’</td>
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<tr>
<td>8115.0842.00</td>
<td>4000-100, Black, 100’</td>
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<tr>
<td>8115.0846.00</td>
<td>4000-25, Non-Marking Gray, 25’</td>
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<tr>
<td>8115.0847.00</td>
<td>4000-50, Non-Marking Gray, 50’</td>
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<tr>
<td>8115.0848.00</td>
<td>4000-100, Non-Marking Gray, 100’</td>
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</table>

### HOSE ASSEMBLIES - 6000 PSI

- 6000 PSI Max.
- 250° F, (275°F Intermittent)
- 3/8”M Solid x 3/8”M Swivel
- Bend Restrictor on Both Ends
- Double Wire

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8115.0854.00</td>
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<tr>
<td>8115.0855.00</td>
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<tr>
<td>8115.0857.00</td>
<td>6000-100, Black, 100’</td>
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<tr>
<td>8115.0858.00</td>
<td>6000-25, Non-Marking Gray, 25’</td>
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<tr>
<td>8115.0859.00</td>
<td>6000-50, Non-Marking Gray, 50’</td>
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<tr>
<td>8115.0860.00</td>
<td>6000-100, Non-Marking Gray, 100’</td>
</tr>
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### HOSE ASSEMBLIES - 8000 PSI

- 8000 PSI Max.
- 250°F Max Temp
- 3/8”M Solid x 2
- Bend Restrictor on Both Ends
- Double Wire

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8115.0001.00</td>
<td>8000-50, Non-mark, Gray 3/8” Fittings</td>
</tr>
<tr>
<td>8115.0003.00</td>
<td>8000-100, Non-mark, Gray 3/8” Fittings</td>
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<tr>
<td>8115.0004.00</td>
<td>8000-200, Non-mark, Gray 3/8” Fittings</td>
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### HOSE ASSEMBLIES - 10000 PSI

- 10000 PSI Max.
- 250° F Max Temp
- 3/8”M or 1/2” M Solid & Swivel
- Bend Restrictor on Both Ends
- Double Wire

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8115.0006.00</td>
<td>10000-50, non-mark, gray 3/8” fittings</td>
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<tr>
<td>8115.0008.00</td>
<td>10000-100, non-mark, gray 3/8” fittings</td>
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<tr>
<td>8115.0009.00</td>
<td>10000-200, non-mark, gray 3/8” fittings</td>
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<tr>
<td>8115.0011.00</td>
<td>10000-50, non-mark, gray 1/2” fittings</td>
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<td>8115.0013.00</td>
<td>10000-100, non-mark, gray 1/2” fittings</td>
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<tr>
<td>8115.0014.00</td>
<td>10000-200, non-mark, gray 1/2” fittings</td>
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<tr>
<td>8115.0300.00</td>
<td>Coupler set, 3/8”, 10,000 PSI</td>
</tr>
<tr>
<td>8115.0301.00</td>
<td>Coupler set, 1/2”, 10,000 PSI</td>
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**Hose Reels - Black**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>HR-75</td>
<td>Hose Reel, 3000 PSI, 75’ 3/8” Hose</td>
</tr>
<tr>
<td>8112.0802.00</td>
<td>Hose Reel, 4000 PSI, 100’ 3/8” Hose</td>
</tr>
<tr>
<td>8102.0802.00</td>
<td>Hose Reel, 4000 PSI, 200’ 3/8” Hose</td>
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</tbody>
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**Hose Reel - Swivel**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8112.0804.00</td>
<td>Hose Reel 90° Swivel, 160° F Max</td>
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<tr>
<td>8112.0804.01</td>
<td>Repair kit</td>
</tr>
<tr>
<td>For Hose Reel 8112.0802.00 &amp; 8102.0802.00</td>
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<tr>
<td>8112.0803.00</td>
<td>Swivel, 90°, 400° F Max</td>
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**Injectors - Downstream**

**Injectors - Downstream**

- Stainless Steel Insert
- Adjustable Chemical Injection
- 3500 PSI Max
- 212° F Max Temp
- 3/8” MPT Inlet x 3/8” MPT Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.2122.00</td>
<td>Injector, Adjustable 1.8 mm</td>
<td>2-3</td>
</tr>
<tr>
<td>8402.2123.00</td>
<td>Injector, Adjustable 2.1 mm</td>
<td>3-5</td>
</tr>
<tr>
<td>8402.2124.00</td>
<td>Injector, Adjustable 2.3 mm</td>
<td>5-8</td>
</tr>
</tbody>
</table>

**Injectors - Downstream**

- Stainless Steel Insert
- Adjustable
- 4500 PSI
- 200°F
- 3/8” M In/Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2129.00</td>
<td>MVR400-1.6 Adj. MV #0203004140</td>
<td>1-2</td>
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<tr>
<td>8108.2130.00</td>
<td>MVR400-1.8 Adj. MV #0203004150</td>
<td>2-3</td>
</tr>
<tr>
<td>8108.9061.00</td>
<td>MVR400-2.1 Adj. MV #0203004160</td>
<td>3-5</td>
</tr>
<tr>
<td>8108.2132.00</td>
<td>MVR400-2.3 Adj. MV #0203004170</td>
<td>5-8</td>
</tr>
</tbody>
</table>
INJECTORS - Downstream

- Brass Insert
- Adjustable Hose Barb
- 4500 PSI
- 200°F
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Inlet Outlet GPM</th>
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<tbody>
<tr>
<td>8108.8200.00</td>
<td>MVR410-2.1 Adj. MV #0203005620</td>
<td>3/8&quot;F 3/8&quot;M 3-5</td>
</tr>
<tr>
<td>8108.8004.00</td>
<td>MVR400-2.1 Adj. MV #0203004620</td>
<td>3/8&quot;M 3/8&quot;M 3-5</td>
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INJECTORS - Twist Conn x M22

- 4100 PSI
- 300°F
- Twist Connect Inlet
- M22M Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.2152.00</td>
<td>Fixed Chem. Inj., 1.8 MV #0203007410</td>
<td>2-3</td>
</tr>
<tr>
<td>8108.2151.00</td>
<td>Adj. Chem. Inj., 2.1 MV #0203007220</td>
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<tr>
<td>8108.2153.00</td>
<td>Adj. Chem. Inj., 2.3 MV #4080102000</td>
<td>5-8</td>
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</tbody>
</table>

INJECTORS - Quick Connect

- 3500 PSI Max
- 212°F Max Temp
- 3/8" QC Plug Inlet
- 3/8" QC Coupler Outlet
- Brass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Inlet</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.2101.00</td>
<td>Injector, Adjustable 1.8mm MV #0203000340</td>
<td>1.8mm</td>
<td>2-3</td>
</tr>
<tr>
<td>8402.2102.00</td>
<td>Injector, Adjustable 2.1mm MV #0203000340</td>
<td>2.1mm</td>
<td>3-5</td>
</tr>
<tr>
<td>8402.2103.00</td>
<td>Injector, Adjustable 2.3mm MV #0403000340</td>
<td>2.3mm</td>
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GUIDE FOR NOZZLE SELECTION

<table>
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<th>MM</th>
<th>In.</th>
<th>L/Min</th>
<th>GPM</th>
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<tbody>
<tr>
<td>1.6</td>
<td>.06</td>
<td>5-8</td>
<td>1.3-2.1</td>
</tr>
<tr>
<td>1.8</td>
<td>.07</td>
<td>8-12</td>
<td>2.1-3.2</td>
</tr>
<tr>
<td>2.1</td>
<td>.08</td>
<td>10-15</td>
<td>2.6-4.0</td>
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<tr>
<td>2.3</td>
<td>.09</td>
<td>12-18</td>
<td>3.2-4.8</td>
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</tbody>
</table>

LANCES - Dual Vented, Stainless

- 10.5 GPM
- 3600 PSI
- 300°F
- 1/4" M Inlet x F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.1105.00</td>
<td>Dual Lance, 42&quot;, AISI 304 SST MV #4030800001</td>
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LANCES - Dual Vented, Stainless

- 10.5 GPM
- 4000 PSI
- 300°F
- 1/4" M Inlet x F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8402.1101.00</td>
<td>Dual Lance, 42&quot; Stainless Steel</td>
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</table>

LANCES - Dual Vented, Zinc

- 10.5 GPM
- 4000 PSI
- 300°F
- 1/4" M Inlet x F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8402.1100.00</td>
<td>Dual Lance, 40&quot; Zinc Plated MV #0202003140</td>
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LANCES - Dual Vented, Zinc

- 10.5 GPM
- 3000 PSI
- 284°F
- 1/4" M Inlet x 1/8" F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8110.1101.00</td>
<td>Molded Grip, 36&quot;</td>
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LANCES - Dual

- 11 GPM
- 3600 PSI
- 300°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8020.00</td>
<td>Dual Lance, 23&quot;, M22M Inlet MV #0202004691</td>
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</table>

E-mail: cometpump@cometpump.com
<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
<th>List Price</th>
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<tbody>
<tr>
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<td>Lance, Molded Grip 13&quot; MV #0202002000</td>
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<td>8108.1201.00</td>
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<td>Lance, Molded Grip 24&quot; MV #0202002040</td>
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### LANCES - Non-Molded, Aluminium

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<th>Description</th>
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<tbody>
<tr>
<td>8107.1222.00</td>
<td>Lance, Non-Molded 24&quot;</td>
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<tr>
<td>8107.1223.00</td>
<td>Lance, Non-Molded 36&quot;</td>
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<td>8107.1224.00</td>
<td>Lance, Non-Molded 48&quot;</td>
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<td>8107.1225.00</td>
<td>Lance, Non-Molded 59&quot;</td>
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<td>8107.1226.00</td>
<td>Lance, Non-Molded 79&quot;</td>
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<td>8107.1227.00</td>
<td>Lance, Non-Molded 84&quot;</td>
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<td>8107.1228.00</td>
<td>Lance, Non-Molded 96&quot;</td>
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</tr>
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</table>

- 11 GPM
- 4000 PSI
- 300° F

### LANCES - Vented, Bent

- 10.5 GPM
- 4060 PSI
- 302° F Max.
- 1/4" FPT Outlet
- Nozzle Holder & Protector

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.1250.00</td>
<td>Lance, Vented, 28&quot;, Zinc Plated</td>
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<tr>
<td>8107.1251.00</td>
<td>Lance, Vented, 36&quot;, Zinc Plated</td>
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<tr>
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<td>8107.1255.00</td>
<td>Lance, Vented, 79&quot;, Zinc Plated</td>
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<td>8107.1265.00</td>
<td>Lance, Vented, 79&quot;, SST</td>
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### LANCES - Vented, S3 400

- 10.5 GPM
- 6400 PSI
- 320° F
- 1/4" M Inlet
- 1/4" F Outlet

<table>
<thead>
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<tbody>
<tr>
<td>8116.1230.00</td>
<td>47&quot; Stainless Steel</td>
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</tbody>
</table>

### LANCES - Vented, S3 350

- 8 GPM
- 5650 PSI
- 320° F
- 1/4" MPT Inlet
- 1/4" FPT Outlet
- Box Qty 8

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8116.1200.00</td>
<td>41&quot; Stainless Steel</td>
</tr>
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</table>

### LANCES - Vented Grip, Chrome

- MV 10
- 11 GPM
- 4000 PSI
- 300° F
- 1/4" Inlet
- M22F Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.9044.00</td>
<td>Lance, 17&quot;, Single Seal M22</td>
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<tr>
<td>MV #0202000505</td>
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<tr>
<td>8108.7255.00</td>
<td>Lance LM35, Vented 15&quot; Dble Seal</td>
</tr>
<tr>
<td>MV #4039900035</td>
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</tr>
</tbody>
</table>

### LANCES - Two Piece

- Industrial Grade
- 10.5 GPM
- 4000 PSI
- 300° F Max.
- Molded Grip
- 1/4" MPT x M22F Twist Connect
- Zinc Plated Pipe M22M x 1/4" MPT

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8102.4100.00</td>
<td>36&quot; Two Piece Lance w/Coupler</td>
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### LANCES - Flex

- 10 GPM
- 2250 PSI
- 194° F

<table>
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<th>Description</th>
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<tbody>
<tr>
<td>8102.1900.00</td>
<td>Flex Lance, 18&quot; 1/4&quot;M x 1/4&quot;M</td>
</tr>
<tr>
<td>8102.1901.00</td>
<td>Flex Lance, 18&quot; 1/4&quot;M x 1/8&quot;F</td>
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</table>

### LANCES - Gutter Cleaner

- 3000 PSI
- 1/4" QC Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.1653.00</td>
<td>Gutter Cleaner, 1/4&quot; Plug Inlet, 7&quot;</td>
</tr>
<tr>
<td>8102.1656.00</td>
<td>Gutter Cleaner, M22M Inlet, 29&quot;</td>
</tr>
</tbody>
</table>

### LANCES - Straight, M22

- Seamless, Chrome-Plated
- 10.5 GPM
- 4000 PSI
- 300° F Max.

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8102.1650.00</td>
<td>Lance, 18&quot;, M22M x 1/4&quot; FPT</td>
</tr>
</tbody>
</table>

E-mail: cometpump@cometpump.com
**LANCES - Extensions**

- 8 GPM
- 3200 PSI
- 300° F
- M22M Inlet
- Hi-Lo Outlet
- Chrome Plated Steel

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7252.00</td>
<td>Lance, 16.3&quot; w/Idro-Jet Blue Dot MV #0202000740</td>
</tr>
<tr>
<td>8108.7253.00</td>
<td>Lance, 23.6&quot; w/Idro-Jet No Dot MV #0202000750</td>
</tr>
</tbody>
</table>

**LANCES - Side Handle**

- Heavy Duty Pole
- 8 GPM
- 4000 PSI
- 212° F

**LANCES - Telescoping**

- 16 GPM @ 5075 PSI
- 300° F
- Zinc Plated Steel Nozzle

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7450.00</td>
<td>Spray Tip Holder with Protector</td>
</tr>
<tr>
<td>8108.7450.01</td>
<td>Spray Tip Holder with Protector</td>
</tr>
</tbody>
</table>

**NOZZLE - Adjustable TPR 50**

- 8 GPM
- 3000 PSI
- 300° F
- Box Qty 5

**NOZZLE - Adjustable, Tip Holder**

- 3625 PSI
- 302° F
- 1/4” Threading
- Pressure Adjustment for Chemical Application
- Box Qty 25

**NOZZLE - Adjustable, Tip Holder**

- 8 GPM @ 4060 PSI
- 320° F
- 1/4” Inlet/Outlet
- Box Qty 15

**NOZZLE - Protector PU**

- 16 GPM @ 5075 PSI
- 300° F
- Zinc Plated Steel Nozzle

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8008.00</td>
<td>1/4” F x 1/4” F, Blue MV #4051200001</td>
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</tbody>
</table>
### NOZZLE - Protector

- 300° F
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
</table>
| 8108.8002.00 | Nozzle Protector  
MV #0183740020 |

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8402.1452.00</td>
<td>Nozzle, 1/4&quot; Inlet, 1/4&quot; Outlet</td>
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</tbody>
</table>

### NOZZLE - Protector Kit M18

- 12 GPM
- 3600 PSI
- 300° F
- 1/4" F Inlet
- Viton O-Ring
- Box Qty 10

<table>
<thead>
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<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.9024.00</td>
<td>Karcher Nozzle Holder MV #0183000080</td>
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### NOZZLE - Protector MV 114

- 16 GPM
- 5075 PSI
- 300° F
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
</table>
| 8108.9151.00 | Nozzle, 1/4" F Inlet, 1/4" F Outlet  
MV #0183000020 |
| 8108.9159.00 | Nozzle, 1/4" F Inlet, 1/8" F Outlet  
MV #0183000000 |

### NOZZLE - Chemical & Soap

- Low Pressure
- Chemical Nozzle

<table>
<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>8113.3160.00</td>
<td>Nozzle 1/4&quot; QC, 65°, #40, Brass</td>
</tr>
<tr>
<td>8102.2610.00</td>
<td>Nozzle 1/4&quot; NPT 40°, #30, Brass</td>
</tr>
</tbody>
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### NOZZLES - MEG, 7250 PSI

- 0°
- 1/4" MPT
- Box Qty 2

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8116.1038.40</td>
<td>Nozzle, MEG 038 40</td>
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<tr>
<td>8116.1040.00</td>
<td>Nozzle, MEG 040 0</td>
</tr>
<tr>
<td>8116.1040.15</td>
<td>Nozzle, MEG 040 15</td>
</tr>
<tr>
<td>8116.1049.40</td>
<td>Nozzle, MEG 049 40</td>
</tr>
<tr>
<td>8116.1050.00</td>
<td>Nozzle, MEG 050 0</td>
</tr>
<tr>
<td>8116.1050.15</td>
<td>Nozzle, MEG 050 15</td>
</tr>
<tr>
<td>8116.1055.00</td>
<td>Nozzle, MEG 055 0</td>
</tr>
<tr>
<td>8116.1055.15</td>
<td>Nozzle, MEG 055 15</td>
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<tr>
<td>8116.1055.40</td>
<td>Nozzle, MEG 055 40</td>
</tr>
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</table>

*See Nozzle Formulas on Page 80 for Sizing

### NOZZLE - QC & MEG

- 5000 PSI Max
- High Grade Stainless Steel
- 1/4" QC Plug or MEG Connector

<table>
<thead>
<tr>
<th>Part#</th>
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<tbody>
<tr>
<td>8113.1XXX.YY</td>
<td>Quick Disconnect Spray Nozzle</td>
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<tr>
<td>8114.1XXX.YY</td>
<td>MEG Spray Nozzle</td>
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*Complete Part # Using Table Below

### QC Nozzle Size Chart

<table>
<thead>
<tr>
<th>Orifice</th>
<th>0° Red</th>
<th>15° Yellow</th>
<th>25° Green</th>
<th>40° White</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
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<td>1020.15</td>
<td>1020.25</td>
<td>1020.40</td>
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<tr>
<td>2.5</td>
<td>1025.00</td>
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<td>1025.25</td>
<td>1025.40</td>
</tr>
<tr>
<td>3.0</td>
<td>1030.00</td>
<td>1030.15</td>
<td>1030.25</td>
<td>1030.40</td>
</tr>
<tr>
<td>3.5</td>
<td>1035.00</td>
<td>1035.15</td>
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<td>1035.40</td>
</tr>
<tr>
<td>4.0</td>
<td>1040.00</td>
<td>1040.15</td>
<td>1040.25</td>
<td>1040.40</td>
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<tr>
<td>4.5</td>
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<td>1050.15</td>
<td>1050.25</td>
<td>1050.40</td>
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<tr>
<td>5.5</td>
<td>1055.00</td>
<td>1055.15</td>
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<td>6.5</td>
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<td>7.5</td>
<td>1075.00</td>
<td>1075.15</td>
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<td>8.0</td>
<td>1080.00</td>
<td>1080.15</td>
<td>1080.25</td>
<td>1080.40</td>
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<tr>
<td>8.5</td>
<td>1085.00</td>
<td>1085.15</td>
<td>1085.25</td>
<td>1085.40</td>
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<tr>
<td>9.0</td>
<td>1090.00</td>
<td>1090.15</td>
<td>1090.25</td>
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<tr>
<td>9.5</td>
<td>1095.00</td>
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<tr>
<td>10.0</td>
<td>1100.00</td>
<td>1100.15</td>
<td>1100.25</td>
<td>1100.40</td>
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</table>
### NOZZLE - QC 5 Pack

- 5000 PSI Max

<table>
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<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8113.1030.99</td>
<td>Nozzle Kit 030</td>
</tr>
<tr>
<td>8113.1035.99</td>
<td>Nozzle Kit 035</td>
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<tr>
<td>8113.1040.99</td>
<td>Nozzle Kit 040</td>
</tr>
<tr>
<td>8113.1045.99</td>
<td>Nozzle Kit 045</td>
</tr>
<tr>
<td>8113.1050.99</td>
<td>Nozzle Kit 050</td>
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<tr>
<td>8113.1055.99</td>
<td>Nozzle Kit 055</td>
</tr>
<tr>
<td>8113.1060.99</td>
<td>Nozzle Kit 060</td>
</tr>
</tbody>
</table>

*Other sizes available upon request

### NOZZLES - Rotating Rotomax

- 176° F Max
- 1/4” FPT Inlet
- See Descriptions for Sizing

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8110.1401.00</td>
<td>(Red) 2.1-2.6 GPM, 1450-3500 PSI</td>
</tr>
<tr>
<td>8110.1402.00</td>
<td>(Blue) 2.9-4.0 GPM, 1450-3500 PSI</td>
</tr>
<tr>
<td>8110.1403.00</td>
<td>(Black) 4.2-5.5 GPM, 1450-3500 PSI</td>
</tr>
</tbody>
</table>

### NOZZLES - Rotating 2500

- Economy Rotating Nozzle
- 2500 PSI
- 140° F
- 1/4” F Inlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8111.1444.00</td>
<td>ROTOJET 025 Orifice, Lt. Green</td>
</tr>
<tr>
<td></td>
<td>MV #0204007900</td>
</tr>
<tr>
<td>8111.1440.00</td>
<td>ROTOJET 030 Orifice, Yellow</td>
</tr>
<tr>
<td></td>
<td>MV #0204007910</td>
</tr>
<tr>
<td>8111.1441.00</td>
<td>ROTOJET 035 Orifice, Black</td>
</tr>
<tr>
<td></td>
<td>MV #0204007920</td>
</tr>
<tr>
<td>8111.1442.00</td>
<td>ROTOJET 040 Orifice, Blue</td>
</tr>
<tr>
<td></td>
<td>MV #0204007930</td>
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<tr>
<td>8111.1443.00</td>
<td>ROTOJET 045 Orifice, Dk. Green</td>
</tr>
<tr>
<td></td>
<td>MV #0204007940</td>
</tr>
</tbody>
</table>

### NOZZLES - Rotating UR25

- 1.6 GPM Min (03-1150 PSI)
- 7.7 GPM Max (08-3600 PSI)
- 3650 PSI
- 212° F Max.
- 1/4” F Inlet
- Box Qty 5
- Repair kits on page 87

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Orifice</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.1430.00</td>
<td>UR Nozzle 3650-030</td>
<td>030</td>
</tr>
<tr>
<td>8116.1431.00</td>
<td>UR Nozzle 3650-035</td>
<td>035</td>
</tr>
<tr>
<td>8116.1432.00</td>
<td>UR Nozzle 3650-040</td>
<td>040</td>
</tr>
<tr>
<td>8116.1433.00</td>
<td>UR Nozzle 3650-045</td>
<td>045</td>
</tr>
<tr>
<td>8116.1434.00</td>
<td>UR Nozzle 3650-050</td>
<td>050</td>
</tr>
<tr>
<td>8116.1435.00</td>
<td>UR Nozzle 3650-055</td>
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</tr>
<tr>
<td>8116.1436.00</td>
<td>UR Nozzle 3650-060</td>
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<tr>
<td>8116.1437.00</td>
<td>UR Nozzle 3650-065</td>
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<tr>
<td>8116.1438.00</td>
<td>UR Nozzle 3650-070</td>
<td>070</td>
</tr>
<tr>
<td>8116.1439.00</td>
<td>UR Nozzle 3650-080</td>
<td>080</td>
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</tbody>
</table>

### NOZZLES - Rotating, Yellow

- 3700 PSI
- 210° F
- 1/4” F Inlet
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.9091.00</td>
<td>Nozzle, 030</td>
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<tr>
<td>8108.8470.00</td>
<td>Nozzle, 040</td>
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<tr>
<td>8108.8005.00</td>
<td>Nozzle, 070</td>
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<tr>
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<tr>
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</tbody>
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### NOZZLES - Rotating TPL

- 4060 PSI
- 194° F
- 1/4” F Inlet
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8111.1470.00</td>
<td>Nozzle, 1.00, 028, Lilac</td>
</tr>
<tr>
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<td>MV #0204009900</td>
</tr>
<tr>
<td>8111.1471.00</td>
<td>Nozzle, 1.10, 033, Lt Green</td>
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<tr>
<td></td>
<td>MV #0204009910</td>
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<tr>
<td>8111.1472.00</td>
<td>Nozzle, 1.20, 040, Dk Green</td>
</tr>
<tr>
<td></td>
<td>MV #0204009920</td>
</tr>
<tr>
<td>8111.1473.00</td>
<td>Nozzle, 1.30, 045, (Green) Dk Yellow</td>
</tr>
<tr>
<td></td>
<td>MV #0204009930</td>
</tr>
<tr>
<td>8111.1474.00</td>
<td>Nozzle, 1.40, 053, Lt Brown</td>
</tr>
<tr>
<td></td>
<td>MV #0204009940</td>
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</tbody>
</table>

*Color will change-old color in parenthesis
## NOZZLES - Rotating 3700 PSI

- Concentrated Straight Stream in a Conical Pattern
- 3700 PSI
- 210° F Max.
- 1/4" F Inlet
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Orifice</th>
</tr>
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<tbody>
<tr>
<td>8111.1429.00</td>
<td>ROTOJET 3700-030</td>
<td>030</td>
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<tr>
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<td>MV #0204007320</td>
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<tr>
<td>8111.1430.00</td>
<td>ROTOJET 3700-035</td>
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<td>MV #0204007330</td>
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<tr>
<td>8111.1431.00</td>
<td>ROTOJET 3700-040</td>
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<td>MV #0204007340</td>
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<tr>
<td>8111.1432.00</td>
<td>ROTOJET 3700-045</td>
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<tr>
<td>8111.1433.00</td>
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**ROTOJET 3600 Repair Kits**

<table>
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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>7001.3000.00</td>
<td>Nozzle, soap, long range</td>
</tr>
</tbody>
</table>

## NOZZLES - Rotating 4500 PSI

- Concentrated Straight Stream in a Conical Pattern
- 4500 PSI
- 210° F Max.
- 1/4" F Inlet
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8111.1456.00</td>
<td>ROTOJET 4500-030</td>
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<tr>
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<td>ROTOJET 4500-040</td>
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<td>MV #0204006510</td>
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<td>ROTOJET 4500-045</td>
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<td>MV #0204006515</td>
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<td>ROTOJET 4500-050</td>
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<tr>
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**ROTOJET 4500 Repair Kits**

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<td>ROTOJET 4500-035 Kit</td>
</tr>
<tr>
<td></td>
<td>MV #0204010650</td>
</tr>
<tr>
<td>8111.1450.01</td>
<td>ROTOJET 4500-040 Kit</td>
</tr>
<tr>
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<td>MV #0204010650</td>
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<td>8111.1451.01</td>
<td>ROTOJET 4500-045 Kit</td>
</tr>
<tr>
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<td>MV #0204010650</td>
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<tr>
<td>8111.1452.01</td>
<td>ROTOJET 4500-050 Kit</td>
</tr>
<tr>
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<td>MV #0204010650</td>
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<tr>
<td>8111.1453.01</td>
<td>ROTOJET 4500-055 Kit</td>
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<td>MV #0204010650</td>
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<td>8111.1454.01</td>
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<td>ROTOJET 4500-070 Kit</td>
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<tr>
<td></td>
<td>MV #0204010650</td>
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</tbody>
</table>

## NOZZLES - Kits 4500 PSI

**NOZZLES - Soap**

- Sprays up to 30'
- 1/4" QC
- See Descriptions for Sizing

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7001.3000.00</td>
<td>Nozzle, soap, long range</td>
</tr>
</tbody>
</table>
**NOZZLES - Rotating 5800 PSI**

- 5800 PSI
- 200° F Max.
- 1/4" F Inlet
- Box Qty 5

- Concentrated Straight Stream in a Conical Pattern

### Part# Description Orifice
8111.1400.00 | ROTOJET 5800-030 MV #0204006900 | 030
8111.1401.00 | ROTOJET 5800-035 MV #0204006905 | 035
8111.1402.00 | ROTOJET 5800-040 MV #0204006910 | 040
8111.1403.00 | ROTOJET 5800-045 MV #0204006915 | 045
8111.1404.00 | ROTOJET 5800-050 MV #0204006920 | 050
8111.1405.00 | ROTOJET 5800-055 MV #0204006925 | 055
8111.1406.00 | ROTOJET 5800-060 MV #0204006930 | 060
8108.9087.00 | ROTOJET 5800-065 MV #0204006935 | 065
8111.1407.00 | ROTOJET 5800-070 MV #0204006940 | 070
8108.9088.00 | ROTOJET 5800-075 MV #0204006945 | 075
8111.1408.00 | ROTOJET 5800-080 MV #0204006950 | 080
8111.1410.00 | ROTOJET 5800-090 MV #0204006960 | 090
8111.1411.00 | ROTOJET 5800-100 MV #0204006970 | 100
8111.1412.00 | ROTOJET 5800-110 MV #0204006980 | 110
8111.1409.00 | ROTOJET 5800-120 MV #0204006990 | 120
8108.7001.00 | ROTOJET 5800-140 MV #0204007010 | 140
8111.1413.00 | ROTOJET 5800-150 MV #0204007020 | 150
8108.9090.00 | ROTOJET 5800-200 MV #0204007070 | 200

**NOZZLES - Kits 5800 PSI**

### ROTOJET 5800 Repair Kits

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Orifice</th>
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</table>
8111.1400.01 | ROTOJET 5800-030 Kit MV #0204106900 |
8111.1401.01 | ROTOJET 5800-035 Kit MV #0204106905 |
8111.1402.01 | ROTOJET 5800-040 Kit MV #0204106910 |
8111.1403.01 | ROTOJET 5800-045 Kit MV #0204106915 |
8111.1404.01 | ROTOJET 5800-050 Kit MV #0204106920 |
8111.1405.01 | ROTOJET 5800-055 Kit MV #0204106925 |
8111.1406.01 | ROTOJET 5800-060 Kit MV #0204106930 |
8108.9107.00 | ROTOJET 5800-065 Kit MV #0204106935 |
8111.1407.01 | ROTOJET 5800-070 Kit MV #0204106940 |
8108.9108.00 | ROTOJET 5800-075 Kit MV #0204106945 |
8111.1408.01 | ROTOJET 5800-080 Kit MV #0204106950 |
8111.1410.01 | ROTOJET 5800-090 Kit MV #0204106960 |
8111.1411.01 | ROTOJET 5800-100 Kit MV #0204106970 |
8111.1412.01 | ROTOJET 5800-110 Kit MV #0204106980 |
8111.1409.01 | ROTOJET 5800-120 Kit MV #0204106990 |
8108.7001.01 | ROTOJET 5800-140 Kit MV #0204107010 |
8111.1413.01 | ROTOJET 5800-150 Kit MV #0204107020 |
8108.9109.00 | ROTOJET 5800-200 Kit MV #0204107070 |
NOZZLES - Rotating UR32

- 2.4 GPM Min (03-2600 PSI)
- 9.0 GPM Max (08-5100 PSI)
- 5100 PSI
- 212° F Max.
- 1/4” F Inlet
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Orifice</th>
</tr>
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<tbody>
<tr>
<td>8116.1450.00</td>
<td>UR Nozzle 5100-030</td>
<td>030</td>
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<td>8116.1451.00</td>
<td>UR Nozzle 5100-035</td>
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<td>UR Nozzle 5100-040</td>
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<td>8116.1453.00</td>
<td>UR Nozzle 5100-045</td>
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<td>8116.1455.00</td>
<td>UR Nozzle 5100-055</td>
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<td>8116.1456.00</td>
<td>UR Nozzle 5100-060</td>
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<td>8116.1457.00</td>
<td>UR Nozzle 5100-065</td>
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<td>8116.1458.00</td>
<td>UR Nozzle 5100-070</td>
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<tr>
<td>8116.1459.00</td>
<td>UR Nozzle 5100-080</td>
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UR Nozzle Repair Kits

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<tbody>
<tr>
<td>8116.1430.01</td>
<td>UR Nozzle Repair Kit</td>
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<tr>
<td>8116.1431.01</td>
<td>UR Nozzle Repair Kit</td>
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<td>8116.1432.01</td>
<td>UR Nozzle Repair Kit</td>
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<td>8116.1433.01</td>
<td>UR Nozzle Repair Kit</td>
<td>045</td>
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<tr>
<td>8116.1434.01</td>
<td>UR Nozzle Repair Kit</td>
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<td>8116.1435.01</td>
<td>UR Nozzle Repair Kit</td>
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<td>8116.1436.01</td>
<td>UR Nozzle Repair Kit</td>
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<td>8116.1437.01</td>
<td>UR Nozzle Repair Kit</td>
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</tr>
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<td>8116.1438.01</td>
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<tr>
<td>8116.1439.01</td>
<td>UR Nozzle Repair Kit</td>
<td>080</td>
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</table>

NOZZLES - Rotating

- 7250 PSI
- 210° F Max.
- 1/4” F Inlet

<table>
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<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.8460.00</td>
<td>Nozzle, 030</td>
</tr>
<tr>
<td></td>
<td>MV #0204006800</td>
</tr>
<tr>
<td>8108.8460.01</td>
<td>Repair Kit, Nozzle, 030</td>
</tr>
<tr>
<td></td>
<td>MV #4059900000</td>
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<tr>
<td>8108.9084.00</td>
<td>Nozzle, 050</td>
</tr>
<tr>
<td></td>
<td>MV #0204006820</td>
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<tr>
<td>8108.9084.01</td>
<td>Repair Kit, Nozzle, 050</td>
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<tr>
<td></td>
<td>MV #4059900004</td>
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<tr>
<td>8108.9085.00</td>
<td>Nozzle, 070</td>
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<tr>
<td></td>
<td>MV #0204006840</td>
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<td>8108.9085.01</td>
<td>Repair Kit, Nozzle, 070</td>
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<tr>
<td></td>
<td>MV #4059900008</td>
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<tr>
<td>8108.9086.00</td>
<td>Nozzle, 080</td>
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<td>MV #0204006850</td>
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<td>8108.9086.01</td>
<td>Repair Kit, Nozzle, 080</td>
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<td>MV #4059900010</td>
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</tbody>
</table>

*See Sizing Chart Page 88

NOZZLES - Idro-Jet 2 Vari Hi/Lo

- Twist Spray Angle Adjustment
- Push/Pull Pressure Adjustment
- 8 GPM
- 3200 PSI
- 300° F Max.
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.1419.00</td>
<td>Nozzle Replacement Body</td>
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<td></td>
<td>MV #0204200040</td>
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<tr>
<td>8108.1420.00</td>
<td>030 Orifice, Yellow Dot</td>
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<tr>
<td></td>
<td>MV #0204008000</td>
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<tr>
<td>8108.1421.00</td>
<td>035 Orifice, White Dot</td>
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<tr>
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<td>MV #0204008010</td>
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<tr>
<td>8108.1422.00</td>
<td>037 Orifice, Red Dot</td>
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<tr>
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<td>MV #0204008020</td>
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<tr>
<td>8108.1423.00</td>
<td>040 Orifice, Blue Dot</td>
</tr>
<tr>
<td></td>
<td>MV #0204008030</td>
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<tr>
<td>8108.1424.00</td>
<td>042 Orifice, Brown Dot</td>
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<tr>
<td></td>
<td>MV #0204008040</td>
</tr>
<tr>
<td>8108.1425.00</td>
<td>045 Orifice, Orange Dot</td>
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<tr>
<td></td>
<td>MV #0204008050</td>
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<tr>
<td>8108.1426.00</td>
<td>050 Orifice, Green Dot</td>
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<tr>
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<td>MV #0204008060</td>
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<td>8108.1427.00</td>
<td>055 Orifice, Lt. Blue Dot</td>
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<td>MV #0204008070</td>
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<td>8108.1428.00</td>
<td>058 Orifice, Black Dot</td>
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<td>MV #0204008080</td>
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<tr>
<td>8108.1429.00</td>
<td>060 Orifice, Gray Dot</td>
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<td>MV #0204008090</td>
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<tr>
<td>8108.1430.00</td>
<td>065 Orifice, Dk. Green Dot</td>
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<td>MV #0204008100</td>
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REPLACEMENTS - Idro-Jet 2

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<tbody>
<tr>
<td>8108.14XX.01</td>
<td>Orifice for HiLo Nozzles</td>
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<tr>
<td>8108.14XX.02</td>
<td>Dots for HiLo Nozzles</td>
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</tbody>
</table>
### NOZZLES - Idro-Jet Vari HI/Lo

- **3000 PSI**
- **300° F**
- **Finger Protection**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.9067.00</td>
<td>Nozzle, 030, Yellow, 1.05 Orifice MV #0204001005</td>
</tr>
<tr>
<td>8108.9069.00</td>
<td>Nozzle, 040, Blue, 1.20 Orifice MV #0204001020</td>
</tr>
<tr>
<td>8108.9071.00</td>
<td>Nozzle, 050, Green, 1.35 Orifice MV #0204001035</td>
</tr>
</tbody>
</table>

### NOZZLES - Sewer

- **300° F**
- **Stainless Steel**
- **Forward Blast to Clear Debris**
- **Backward Blast to Flush**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.3009.00</td>
<td>1/4 FPT, 5000 PSI, Size #4.0 MV #0124722240</td>
</tr>
<tr>
<td>8402.3010.00</td>
<td>1/4 FPT, 4000 PSI, Size #4.5 MV #0124722220</td>
</tr>
<tr>
<td>8402.3011.00</td>
<td>1/4 FPT, 4000 PSI, Size #6.5 MV #0124722200</td>
</tr>
<tr>
<td>8402.3012.00</td>
<td>1/4 FPT, 4000 PSI, Size #11 MV #0124722200</td>
</tr>
<tr>
<td>8106.3109.00</td>
<td>1/8 FPT, 5000 PSI, Size #4.0 MV #0124722200</td>
</tr>
<tr>
<td>8402.3110.00</td>
<td>1/8 FPT, 4000 PSI, Size #4.5 MV #0124722200</td>
</tr>
<tr>
<td>8402.3111.00</td>
<td>1/8 FPT, 4000 PSI, Size #6.5 MV #0124722200</td>
</tr>
<tr>
<td>8402.3112.00</td>
<td>1/8 FPT, 4000 PSI, Size #11 MV #0124722200</td>
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</tbody>
</table>

### NOZZLES - Sewer ST4

- **5100 PSI**
- **Stainless Steel 303**
- **3/8° F**
- **4 Ports**
- **Box Qty 3**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8116.3000.00</td>
<td>Nozzle Size 03</td>
</tr>
<tr>
<td>8116.3001.00</td>
<td>Nozzle Size 04</td>
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<tr>
<td>8116.3002.00</td>
<td>Nozzle Size 05</td>
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<tr>
<td>8116.3003.00</td>
<td>Nozzle Size 06</td>
</tr>
<tr>
<td>8116.3004.00</td>
<td>Nozzle Size 07</td>
</tr>
<tr>
<td>8116.3005.00</td>
<td>Nozzle Size 08</td>
</tr>
</tbody>
</table>

### OIL - Comet Pumps

- **Specially Formulated for use in all High-Pressure Industrial Piston Pumps**
- **Universal Tractor Transmission Oil (UTTO)**
- **30 Wt. Non-Detergent & Non-Foaming**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8102.1801.00</td>
<td>Pump Oil, 32 oz. Bottle MV #0204001045</td>
</tr>
</tbody>
</table>

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 - For Pumps

- **Oil Cap, AX A**
- **Oil Cap, BX B**
- **Dipstick, LW, ZW, FW, HW, RW C**
- **Dipstick, SW & TW D**
- **Oil Cap, Vented, Long, BXD E**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200.0071.00</td>
<td>Oil Cap, AX A</td>
</tr>
<tr>
<td>3200.0086.00</td>
<td>Oil Cap, BX B</td>
</tr>
<tr>
<td>3200.0051.00</td>
<td>Dipstick, LW, ZW, FW, HW, RW C</td>
</tr>
<tr>
<td>3200.0075.00</td>
<td>Dipstick, SW &amp; TW D</td>
</tr>
<tr>
<td>3200.0138.00</td>
<td>Oil Cap, Vented, Long, BXD E</td>
</tr>
</tbody>
</table>

### PACKING EXTRACTOR

- **For Comet™ Pumps**
- **Slide Hammer**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>0899.0004.00</td>
<td>Extractor Tool, 15 &amp; 18mm</td>
</tr>
<tr>
<td>0899.0005.00</td>
<td>Extractor Tool, 20, 22 &amp; 25mm</td>
</tr>
<tr>
<td>0899.0006.00</td>
<td>Extractor Hammer</td>
</tr>
<tr>
<td>0899.0007.00</td>
<td>Extractor Kit</td>
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</table>
**PACKING INSERTION**

- Increase Efficiency in Pump Repair
- Industrial Grade Materials

<table>
<thead>
<tr>
<th>Part#</th>
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<tbody>
<tr>
<td>3335.0023.00</td>
<td>Packing Kit LW, ZW, FW &amp; HW</td>
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**PULSATION DAMPENERS**

- 3045 PSI
- 580 PSI Precharge
- 176° F Max.

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8107.3200.00</td>
<td>Accumulator, .02 Gal., 3/8” FPT</td>
</tr>
<tr>
<td></td>
<td>Flow 0-6.6 GPM</td>
</tr>
<tr>
<td>8107.3201.00</td>
<td>Accumulator, .09 Gal., 1/2” FPT</td>
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<tr>
<td></td>
<td>Flow 6.6-18.5 GPM</td>
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<tr>
<td>8107.3202.00</td>
<td>Accumulator, .09 Gal., 3/8” FPT</td>
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<td>Flow 6.6-18.5 GPM</td>
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**PUMP RAIL KITS**

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<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>5011.0184.00</td>
<td>Rail Kit for LW</td>
<td>1-3/8”</td>
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<tr>
<td>5011.0216.00</td>
<td>Tall Rail Kit for LW</td>
<td>2-1/2”</td>
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<tr>
<td>5011.0185.00</td>
<td>Rail Kit for FW &amp; HW</td>
<td>1”</td>
</tr>
<tr>
<td>5011.0229.00</td>
<td>Rail Kit for RW</td>
<td>1-3/8”</td>
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<tr>
<td>5011.0214.00</td>
<td>Rail Kit for SW &amp; TW</td>
<td>1-3/8”</td>
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<tr>
<td>5011.0257.00</td>
<td>Tall Rail Kit for RW</td>
<td>2-1/2”</td>
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<tr>
<td>5011.0278.00</td>
<td>Tall Rail Kit for SW &amp; TW</td>
<td>2-1/2”</td>
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**SAND BLASTER - Wet, Industrial**

- 10 GPM Maximum
- 3 GPM Minimum
- Up to 3500 PSI use 15° tip
- 3500–5500 PSI use 0° tip
- 1500 PSI Minimum Working Pressure

*Other replacement parts available upon request

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8103.1901.00</td>
<td>Wet Sand Blast Kit, Complete</td>
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<tr>
<td>8103.1903.00</td>
<td>Tungsten Carbide Nozzle</td>
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<tr>
<td>8103.1913.00</td>
<td>Tip Adapter</td>
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**SAND BLASTER - Commercial**

- 11 GPM
- 3600 PSI
- 200°

*Other replacement parts available upon request

<table>
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<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.1901.00</td>
<td>TS33-1.4 Head Assy 1.4 mm</td>
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<tr>
<td></td>
<td>MV #0204005020</td>
</tr>
<tr>
<td>8108.1903.00</td>
<td>TS33-1.6 Head Assy 1.6 mm</td>
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<tr>
<td></td>
<td>MV #0204005040</td>
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<tr>
<td>8108.1905.00</td>
<td>Sand Blast Suction Tube</td>
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<tr>
<td></td>
<td>MV #0213000000</td>
</tr>
<tr>
<td>8108.1902.02</td>
<td>Pressure Nozzle, 1.5 mm</td>
</tr>
<tr>
<td></td>
<td>MV #0124720330</td>
</tr>
<tr>
<td>8108.1902.01</td>
<td>Alignment Nozzle, 1.5 mm</td>
</tr>
<tr>
<td></td>
<td>MV #0124710270</td>
</tr>
</tbody>
</table>

**SLUDGE PUMPS**

- 4.8 GPM
- 3700 PSI
- 300° F Max.
- 20’ Hose; 35mm ID

*Other replacement parts available upon request

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000.4000.35</td>
<td>Sludge Pump, 035 Nozzle</td>
</tr>
<tr>
<td></td>
<td>MV #0213000500</td>
</tr>
<tr>
<td>8000.4000.40</td>
<td>Sludge Pump, 040 Nozzle</td>
</tr>
<tr>
<td></td>
<td>MV #0213000510</td>
</tr>
<tr>
<td>8000.4000.45</td>
<td>Sludge Pump, 045 Nozzle</td>
</tr>
<tr>
<td></td>
<td>MV #0213000520</td>
</tr>
<tr>
<td>8000.4000.50</td>
<td>Sludge Pump, 050 Nozzle</td>
</tr>
<tr>
<td></td>
<td>MV #0213000530</td>
</tr>
<tr>
<td>8000.4000.55</td>
<td>Sludge Pump, 055 Nozzle</td>
</tr>
<tr>
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<td>MV #0213000530</td>
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**SLUDGE PUMPS Without Hose**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8108.7019.00</td>
<td>Sludge Pump, 035 w/o Hose</td>
</tr>
<tr>
<td></td>
<td>MV #0213000600</td>
</tr>
<tr>
<td>8108.9132.00</td>
<td>Sludge Pump, 045 w/o Hose</td>
</tr>
<tr>
<td></td>
<td>MV #0213000610</td>
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<tr>
<td>8108.7020.00</td>
<td>Sludge Pump, 050 w/o Hose</td>
</tr>
<tr>
<td></td>
<td>MV #0213000620</td>
</tr>
<tr>
<td>8108.9133.00</td>
<td>Sludge Pump, 055 w/o Hose</td>
</tr>
<tr>
<td></td>
<td>MV #0213000630</td>
</tr>
<tr>
<td>8108.7021.00</td>
<td>Sludge Pump, 060 w/o Hose</td>
</tr>
<tr>
<td></td>
<td>MV #0213000640</td>
</tr>
<tr>
<td>8000.4000.90</td>
<td>Clamp</td>
</tr>
<tr>
<td>8000.4000.95*</td>
<td>Hose, Sludge Pump</td>
</tr>
</tbody>
</table>

*Can be ordered to specific length up to 100’
**SURFACE CLEANER - 14”**

- 8 GPM
- 4000 PSI Max
- 180° F
- Under 2500 PSI Optimal

**Part#** | **Description**
--- | ---
8102.2409.00 | Surface Cleaner, 14”

**SURFACE CLEANER - Whirl-A-Way**

- 8 GPM Max.
- 4000 PSI Max.
- 180° F
- UV Resistant Dome
- Rebuildable Swivel
- Industrial Duty

**Part#** | **Description**
--- | ---
8102.2401.00 | Surface Cleaner, 16” Dia., w/Brush

**Replacement Parts**

- 8102.2454.00 | 16 Rotary Head
- 8102.2470.01 | Trigger Gun 16
- 8102.2462.00 | 16 Skirt, Nylon
- 8102.2461.00 | Replacement Hose

*For additional parts contact Comet

**SURFACE CLEANER - 3000 PSI**

- 4 GPM
- 3000 PSI
- 140° F
- M22M Inlet
- 035 Nozzle

**Part#** | **Description**
--- | ---
8108.8012.00 | Surface Cleaner, w/Wheels
MV #0207002013
8108.8012.01 | Nozzle, Surface Cleaner 15015
MV #0124720842
8108.8010.00 | Surface Cleaner, No Wheels
MV #0207000013
8108.9006.00 | Spray Bar, Surface Cleaner 045
MV #0109000340
8108.8014.00 | Wheel Replacement Kit
MV #0207102010
8108.8013.00 | Wheel Conversion Kit
MV #0207102000
8108.9008.00 | Brush for 8108.8012.00
MV #0109740160
8108.9007.00 | Brush for 8108.8010.00
MV #0109740090

**SWITCHES - Pressure PS60**

- 9575 PSI
- 195° F Max Fluid
- 167° F Max Environment
- 12v - 250v, 16 (6) Amp
- Cable Length 47.24”
- 3/8” Connection

**Box Qty 5**

<table>
<thead>
<tr>
<th><strong>Part#</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
</table>
| 8108.2214.00 | Activation PSI 362.5
MV #0490003000 |
| 8108.2215.00 | Activation PSI 652.5
MV #0490003001 |

**SWITCHES - Pressure PS6**

- 3-Wire Design, 47” Cable
- 4060 PSI
- 195° F Max Fluid
- 167° F Max Environment
- 12v - 250v, 16 (6) Amp
- 218, 363 & 652 PSI Activation Switching Pressure

**Part#** | **Description**
--- | ---
8108.2203.00 | Switch, 218 PSI, 1/4” M, Blue
MV #0205007000
8108.2204.00 | Switch, 218 PSI, 3/8” M, Blue
MV #4090002001
8108.2205.00 | Switch, 363 PSI, 1/4” M, Red
MV #0205007010
8108.2206.00 | Switch, 363 PSI, 3/8” M, Red
MV #0205007030
8108.2207.00 | Switch, 652 PSI, 1/4” M, Black
MV #0205007020
8108.2208.00 | Switch, 652 PSI, 3/8” M, Black
MV #0205007040

**SWITCHES - Pressure PR16**

- 4060 PSI
- 165° F
- 12v - 250v, 16 Amp
- 580 PSI Switching Pressure
- 47” Cable

**Part#** | **Description**
--- | ---
8116.2213.00 | Flow Switch, Horizontal
MV #0205007000
8116.2214.00 | Flow Switch, 3/8” M Inlet, Black
MV #0205007010
8116.2215.00 | Flow Switch, 218 PSI, 1/4” M, Blue
MV #0205007020
8116.2216.00 | Flow Switch, 218 PSI, 3/8” M, Blue
MV #0205007030
8116.2217.00 | Flow Switch, 363 PSI, 1/4” M, Red
MV #0205007040
8116.2218.00 | Flow Switch, 363 PSI, 3/8” M, Red
MV #0205007050
8116.2219.00 | Flow Switch, 652 PSI, 1/4” M, Black
MV #0205007060
8116.2220.00 | Flow Switch, 652 PSI, 3/8” M, Black
MV #0205007080

**SWITCHES - Flow, MV 70**

- 8 GPM, 8122 PSI
- 176° F Max Fluid
- 167° F Max Environment
- 12v - 250v, 3 Amp, 120 VA
- 3/8” F In/Outlet, 62” Cable

**Part#** | **Description**
--- | ---
8108.2213.00 | Flow Switch, Horizontal
MV #0490020000
8108.2214.00 | Flow Switch, 3/8” M Inlet, Black
MV #0490020010
8108.2215.00 | Flow Switch, 218 PSI, 1/4” M, Blue
MV #0490020020
8108.2216.00 | Flow Switch, 218 PSI, 3/8” M, Blue
MV #0490020030
8108.2217.00 | Flow Switch, 363 PSI, 1/4” M, Red
MV #0490020040
8108.2218.00 | Flow Switch, 363 PSI, 3/8” M, Red
MV #0490020050
8108.2219.00 | Flow Switch, 652 PSI, 1/4” M, Black
MV #0490020060
8108.2220.00 | Flow Switch, 652 PSI, 3/8” M, Black
MV #0490020070

**SWITCHES - Flow, MV 60 P140**

- 8 GPM, 5660 PSI
- 176° F Max Fluid
- 167° F Max Environment
- 12v - 250v, 3 Amp, 120 VA
- 3/8” F In/Outlet, 62” Cable

**Part#** | **Description**
--- | ---
8108.2211.00 | Flow Switch, Horizontal
MV #0490020020
8108.2210.00 | Flow Switch, Vertical
MV #0490020010
8108.2209.00 | Replacement Reed Switch
MV #0199700000

**SWITCHES - Flow FL 7 SS**

- 8 GPM @ 8120 PSI
- 165° F Max Fluid
- 230v, 3 Amp
- 3/8” F In/out, 49” Cable
- Stainless Steel 303

**Part#** | **Description**
--- | ---
8116.2213.00 | Flow Switch
**SWITCHES - Flow FL 7**

- 7.9 GPM @ 5650 PSI
- 165° F Max Fluid
- 230v, 3 Amp
- 3/8” F in/out, 49” Cable

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM Stnd</th>
<th>GPM Lvl</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2210.00</td>
<td>Flow Switch</td>
<td>2.4</td>
<td>1.6</td>
</tr>
<tr>
<td>8116.2211.00</td>
<td>Flow Switch</td>
<td>1.06</td>
<td>.79</td>
</tr>
</tbody>
</table>

**SWITCHES - Flow FL 7 MS**

- 7.9 GPM @ 5650 PSI
- 165° F Max Fluid
- 230v, 3 Amp
- 3/8” F in/out, 49” Cable

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM Stnd</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2212.00</td>
<td>Flow Switch, vertical</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**SWITCHES - Vacuum**

- 176° F Max Fluid
- 131° F Max Environment
- 1/4” FNPT Connection
- 230v, 16 Amp

*For Water use Only*

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.2211.00</td>
<td>Vacuum Switch</td>
<td>1.5 MV #0205005510</td>
</tr>
<tr>
<td>8107.2212.00</td>
<td>Vacuum Switch</td>
<td>2.0 MV #4090400000</td>
</tr>
<tr>
<td>8107.2213.00</td>
<td>Vacuum Switch</td>
<td>2.5 MV #0205005530</td>
</tr>
<tr>
<td>8107.2216.00</td>
<td>Vacuum Switch</td>
<td>4.0 MV #0205005550</td>
</tr>
<tr>
<td>8107.2217.00</td>
<td>Vacuum Switch</td>
<td>4.5 MV #0205005570</td>
</tr>
</tbody>
</table>

**SWIVEL - SW Pro**

- 8 GPM
- 3650 PSI
- 302° F
- Brass
- Box Qty 10

***Turns Easily Under Pressure***

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8350.00</td>
<td>Swivel, Brass, 3/8” F x 3/8” M MV #4100801004</td>
</tr>
<tr>
<td>8108.8351.00</td>
<td>Swivel, Brass, 3/8” M x 3/8” M MV #4100801005</td>
</tr>
<tr>
<td>8108.8352.00</td>
<td>Swivel, Brass, 3/8” M x 1/4” M MV #4100801006</td>
</tr>
<tr>
<td>8108.8353.00</td>
<td>Swivel, Brass, M22-1.5 x 3/8” M MV #4100801007</td>
</tr>
</tbody>
</table>

**SWIVEL - High Pressure MR-O**

- 10.5 GPM @ 4050 PSI
- 320° F Max, Rated
  (For Short Periods)
- 194° F Max, Working Temp
  (Continuous Use)
- 3/8” M 60° Taper x 3/8” F

| Box Qty 10 |

**SWIVEL - SW Std**

- Better Sealing of Threaded Connections
- High Quality
- 1/2” Rolls
- 520” Length
- Box Quantity 12

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8354.00</td>
<td>Swivel, 3/8” MPT x 3/8” FPT MV #371703</td>
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</tbody>
</table>

**SWIVEL - SW ECO**

- 11 GPM
- 3200 PSI
- 300°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.9126.00</td>
<td>Coupler, 3/8” MPT x 3/8” FPT MV #0212006010</td>
</tr>
</tbody>
</table>

**SWIVEL - Nozzle**

- 1500 PSI
- Brass
- Box Qty 100

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.6015.00</td>
<td>Swivel, Nozzle</td>
</tr>
</tbody>
</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8354.00</td>
<td>Swivel, 3/8” MPT x 3/8” FPT MV #371703</td>
</tr>
</tbody>
</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.6015.00</td>
<td>Swivel, Nozzle</td>
</tr>
</tbody>
</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8354.00</td>
<td>Swivel, 3/8” MPT x 3/8” FPT MV #371703</td>
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</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.6015.00</td>
<td>Swivel, Nozzle</td>
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</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8354.00</td>
<td>Swivel, 3/8” MPT x 3/8” FPT MV #371703</td>
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</tbody>
</table>

**SWIVEL - SW Std**

- 8 GPM @ 4500 PSI
- 302° F Max
- Brass
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.6015.00</td>
<td>Swivel, Nozzle</td>
</tr>
</tbody>
</table>
TERMINATOR - Thermo Engine

- 4000 PSI
- For DC Current Only
- Shuts Engine Down When Pump Hits 145° F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8104.0001.00</td>
<td>Thermo Engine Terminator</td>
</tr>
</tbody>
</table>

THERMOSTAT

- 1/2” BSP Probe
- 4000 PSI
- 250v
- 15 Amp
- Remote Probe Design
- Precision Temperature Control
- 70” Insulated Cap Tube

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3230.0037.00</td>
<td>194 Degree, 194° F</td>
</tr>
<tr>
<td>3230.0036.00</td>
<td>250 Degree, 250° F</td>
</tr>
<tr>
<td>3230.0035.00</td>
<td>302 Degree, 302° F</td>
</tr>
<tr>
<td>8107.2320.00</td>
<td>Well 1/2” F Top, 3/8” x 3</td>
</tr>
<tr>
<td>8107.2307.00</td>
<td>Probe Sheath</td>
</tr>
<tr>
<td>2000.0125.00</td>
<td>Bushing, Brass 1/2” NPT</td>
</tr>
</tbody>
</table>

THREAD LOCK

- Replacement for Locktite
- 250 ML
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8107.3600.00</td>
<td>Thread Lock, Medium</td>
</tr>
<tr>
<td>8107.3601.00</td>
<td>Thread Lock, Strong</td>
</tr>
</tbody>
</table>

THROTTLE CONTROL

- 3/8” Conical Connection
- 320° F Max.
- Adj. stroke .28-.55”
- 40” Cable
- Actuation Pressure 290 PSI

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.7100.00</td>
<td>Throttle Control, 5800 PSI</td>
</tr>
<tr>
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<td>4132400001</td>
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<tr>
<td>8108.7101.00</td>
<td>Throttle Control, 8000 PSI, SST</td>
</tr>
<tr>
<td></td>
<td>4132400002</td>
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</tbody>
</table>

UN LOADER - VHP 60

- 26.4 GPM
- 8700 PSI
- 194° F Max
- 1/2” F In/Outlet/By-Pass
- SST AISI 303 Body

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2569.00</td>
<td>Unloader, No Knob MV #4072000103</td>
</tr>
<tr>
<td>8108.2569.01</td>
<td>Repair Kit MV #4079900040</td>
</tr>
</tbody>
</table>

UN LOADER - VB 60/600 Zero

- 2.4 GPM Min
- 16 GPM Max
- 8700 PSI
- 195° F
- 1/2” F In/Outlet & By-Pass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2524.00</td>
<td>Unloader, Stainless Steel 303</td>
</tr>
<tr>
<td>8116.2524.01</td>
<td>Repair Kit VB60/600 Zero</td>
</tr>
</tbody>
</table>

UN LOADER - VB80/150-280-400

- 21 GPM
- 195° F Max
- 1/2” FPT Inlet/Outlet
- 1/2” FPT By-Pass
- Stainless Steel

<table>
<thead>
<tr>
<th>Part#</th>
<th>Rated PSI</th>
<th>Max PSI</th>
<th>Color</th>
</tr>
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<tbody>
<tr>
<td>8116.2523.00</td>
<td>2200</td>
<td>2450</td>
<td>White</td>
</tr>
<tr>
<td>8116.2549.00</td>
<td>4050</td>
<td>4500</td>
<td>Blue</td>
</tr>
<tr>
<td>8116.2505.00</td>
<td>5800</td>
<td>6500</td>
<td>Black</td>
</tr>
<tr>
<td>8116.2505.01</td>
<td>Repair Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8116.2505.02</td>
<td>O-Ring Kit, Viton</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

UN LOADER - VB 350

- 10.5 GPM
- 5650 Max PSI
- 3/8” M Inlet, 3/8” F Outlet
- 1/2” F By-Pass
- 195° F Max.

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2501.00</td>
<td>Unloader</td>
</tr>
<tr>
<td>8116.2517.01</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

Box Qty 5
### UNLOADER - VHP 39

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2546.00</td>
<td>Unloader MV #4072000012</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2547.00</td>
<td>Unloader w/EZ Start MV #4072000013</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2546.01</td>
<td>Repair Kit MV #4079900009</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 10.5 GPM
- 5070 PSI Rated
- 5650 PSI Max
- 194° F Max
- 3/8” FPT In/Outlet
- 3/8” FPT By-Pass x 2

### UNLOADER - VHP 39-P

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2588.00</td>
<td>Unloader MV #4072000084</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2588.01</td>
<td>Repair Kit MV #4079900038</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 10.5 GPM
- 5650 PSI
- 194° F Max
- 3/8” F In/Outlet
- 3/8” F By-Pass x 2

### UNLOADER - VHP 50

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2587.00</td>
<td>Unloader, no knob MV #4072000091</td>
</tr>
<tr>
<td>8108.2587.02</td>
<td>Repair Kit MV #4079900040</td>
</tr>
</tbody>
</table>

**Specifications:**
- 26.4 GPM
- 8000 PSI
- 194° F Max
- 1/2” F In/Outlet & By-Pass
- Nickel Plated Brass

### UNLOADER - VHP 70

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2585.00</td>
<td>6380 PSI, No Knob MV #4072201004</td>
<td>Blue</td>
</tr>
<tr>
<td>8108.2584.00</td>
<td>10,150 PSI, No Knob MV #4072201003</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2584.01</td>
<td>Repair Kit MV #4079900030</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 21 GPM
- 194° F Max
- 1/2” FPT In/Outlet & By-Pass
- Stainless Steel
- 1/4” FPT Gauge Port

### UNLOADER - VHP 31/250 No Knob

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7632.00</td>
<td>Unloader, 2465 PSI MV #4072000094</td>
<td>Gray</td>
</tr>
<tr>
<td>8108.7633.00</td>
<td>Unloader, 4500 PSI MV #4072000095</td>
<td>Blk/Gry</td>
</tr>
<tr>
<td>8108.7632.01</td>
<td>Repair Kit MV #4079900051</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 66 GPM
- 194° F Max
- 1” FPT In/Outlet & By-Pass

### UNLOADER - VRT 100

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2564.00</td>
<td>Unloader, 2760 PSI MV #4072000035</td>
<td>Yellow</td>
</tr>
<tr>
<td>8108.2565.00</td>
<td>Unloader, 5075 PSI MV #4072000036</td>
<td>Blue</td>
</tr>
<tr>
<td>8108.2566.00</td>
<td>Unloader, 5075 PSI MV #4078000020</td>
<td>Green</td>
</tr>
<tr>
<td>8108.2567.00</td>
<td>Unloader, 5075 PSI MV #4078000021</td>
<td>Green</td>
</tr>
<tr>
<td>8108.2565.01</td>
<td>Repair Kit MV #4079900013</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 26.4 GPM
- 194° F Max
- 1/2” FPT In/Outlet & By-Pass

### UNLOADER - VRT 100-P

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8503.00</td>
<td>Unloader MV #4072000090</td>
<td></td>
</tr>
<tr>
<td>8108.8503.01</td>
<td>Repair Kit MV #4079900039</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 26.4 GPM
- 5075 PSI
- 194° F Max
- 1/2” F In/Outlet & By-Pass
- Microswitch 250v, 6(2)a

### UNLOADER - VHP 70

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7632.00</td>
<td>Unloader, 2465 PSI MV #4072000094</td>
<td>Gray</td>
</tr>
<tr>
<td>8108.7633.00</td>
<td>Unloader, 4500 PSI MV #4072000095</td>
<td>Blk/Gry</td>
</tr>
<tr>
<td>8108.7632.01</td>
<td>Repair Kit MV #4079900051</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- 66 GPM
- 194° F Max
- 1” FPT In/Outlet & By-Pass

### UN LOADER - VRT 100-P

*NEW*

### UN LOADER - VHP 31/250 No Knob

*NEW*
## UNLOADER - VRT 100 No Knob
- 26.4 GPM
- 194° F Max
- 1/2” F In/Outlet & By-Pass
- Nickel Plated Steel

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2586.00</td>
<td>2760 PSI, no knob</td>
<td>Yellow</td>
</tr>
<tr>
<td>8108.2586.01</td>
<td>Repair Kit</td>
<td>MV #4072000074</td>
</tr>
<tr>
<td>8116.2540.00</td>
<td>Unloader with EZ Start</td>
<td>MV #4079900031</td>
</tr>
</tbody>
</table>

## UNLOADER - VB 33
- 21 GPM
- 4500 PSI Max
- 195° F
- 1/2” FPT In/Outlet/By-Pass
- 1/4” FPT Gauge Port
- Box Qty 4

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2527.00</td>
<td>Unloader VB 33</td>
</tr>
<tr>
<td>8116.2527.01</td>
<td>Repair Kit, VB 33</td>
</tr>
</tbody>
</table>

## UNLOADER - Pulsar 4
- 10 GPM
- 195° F Max
- 3/8” FPT In/Outlet & By-Pass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2536.00</td>
<td>Unloader, 2600 PSI</td>
<td>White</td>
</tr>
<tr>
<td>8116.2535.00</td>
<td>Unloader, 4500 PSI</td>
<td>Blue</td>
</tr>
<tr>
<td>8116.2535.01</td>
<td>Repair Kit Pulsar 4</td>
<td></td>
</tr>
</tbody>
</table>

## UNLOADER - Pulsar RV
- 10 GPM
- 195° F Max
- 3/8” FPT x 2 In/Outlet & By-Pass x 2
- Box Qty 15

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2556.00</td>
<td>Unloader, 2600 PSI</td>
<td>White</td>
</tr>
<tr>
<td>8116.2539.00</td>
<td>Unloader, 4500 PSI</td>
<td>Blue</td>
</tr>
</tbody>
</table>

## UNLOADER - Pulsar 4 No Knob
- 10 GPM
- 195° F Max
- 3/8” FPT In/Outlet & By-Pass
- Box Qty 25

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2546.00</td>
<td>Unloader, 4500 PSI</td>
<td>Blue</td>
</tr>
<tr>
<td>8116.2535.01</td>
<td>Repair Kit</td>
<td></td>
</tr>
</tbody>
</table>
**UNLOADER - Pulsar Zero**

- 2.4 GPM Min to 10.5 GPM Max
- 4050 PSI
- 195° F
- 3/8” FPT In/Outlet; By-Pass x 2
- Box Qty 12

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2521.00</td>
<td>Reduced Trapped Pressure</td>
</tr>
<tr>
<td>8116.2521.01</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

**UNLOADER - VRT 3**

- 10.5 GPM
- 194° F Max GPM
- 3/8” FPT Inlet x 2 (where noted)
- 3/8” FPT Outlet
- 3/8” FPT By-Pass x 2

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2530.00</td>
<td>PSI</td>
</tr>
<tr>
<td>8108.2533.00</td>
<td>PSI</td>
</tr>
<tr>
<td>8108.2531.00</td>
<td>PSI</td>
</tr>
</tbody>
</table>

**UNLOADER - VB 80/280 Zero**

- 5.3 GPM Min
- 21 GPM Max
- 4050 PSI
- 195° F
- 1/2” F In/Outlet
- 1/2” F By-Pass
- Box Qty 4

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2526.00</td>
<td>Reduced Trapped Pressure</td>
</tr>
<tr>
<td>8116.2526.03</td>
<td>Repair Kit VB 80/280 Zero</td>
</tr>
<tr>
<td>8116.2526.01</td>
<td>Disc 045, 4.5mm</td>
</tr>
<tr>
<td>8116.2526.02</td>
<td>Disc 055, 5.5mm</td>
</tr>
</tbody>
</table>

**UNLOADER - VB 55**

- 8.0 GPM
- 3200 Rated PSI
- 3650 Max PSI
- 195° F Max
- Banjo Connection
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2520.00</td>
<td>3/8” x 1/2”</td>
</tr>
<tr>
<td>8116.2520.01</td>
<td>Repair Kit, VB-55</td>
</tr>
</tbody>
</table>

**UNLOADER - VB 56**

- 8 GPM
- 3650 PSI
- 3/8” x 1/2” Couplings
- 195° F
- 1/2” F PT
- 3/8” FPT Outlet
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Couplings</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2542.00</td>
<td></td>
<td>3/8” x 1/2”</td>
</tr>
<tr>
<td>8116.2542.01</td>
<td></td>
<td>3/8” F</td>
</tr>
</tbody>
</table>

**UNLOADER - VB 75**

- 8 GPM
- 3200 Rated PSI
- 3650 Max PSI
- 195° F Max
- Banjo Connection
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Couplings</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2516.00</td>
<td></td>
<td>3/8” x 1/2”</td>
</tr>
<tr>
<td>8116.2516.01</td>
<td></td>
<td>3/8” F</td>
</tr>
</tbody>
</table>

1-No Knob; 2-Includes EZ Start; One Inlet
3-Includes Microswitch 250V/16A; One Inlet
4-1/4” Gauge Port; 5-Panel Mount with PS6 Switch 250v/16a; One Inlet
### UNLOADER - VRF 2
- 8 GPM
- 194° F Max
- 3/8” M In/Outlet
- Box Qty 20

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2591.00</td>
<td>Unloader, 3630 PSI</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MV #4072401007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.2590.00</td>
<td>Fixed Injector 2.1, 3630 PSI</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MV #4072601021</td>
<td></td>
<td></td>
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<tr>
<td>8108.2594.00</td>
<td>Adj. Injector 2.1, 3630 PSI</td>
<td>Red</td>
<td></td>
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<tr>
<td></td>
<td>MV #4072601022</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.2593.00</td>
<td>Unloader, 4500 PSI</td>
<td>Blue</td>
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<tr>
<td></td>
<td>MV #4072401013</td>
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<td></td>
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<tr>
<td>8108.2592.00</td>
<td>Fixed Injector 2.1, 4500 PSI</td>
<td>Blue</td>
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<tr>
<td></td>
<td>MV #4072601031</td>
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<tr>
<td>8108.2595.00</td>
<td>Adj. Injector 2.1, 4500 PSI</td>
<td>Blue</td>
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</tr>
<tr>
<td></td>
<td>MV #4072601032</td>
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<tr>
<td>8108.2591.01</td>
<td>Repair Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MV #4079900019</td>
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</table>

#### Banjo Inlet Connections

<table>
<thead>
<tr>
<th>Part#</th>
<th>X-Offset</th>
<th>Y-Offset</th>
<th>In/Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2574.00</td>
<td>0.0 mm</td>
<td>55/66 mm</td>
<td>3/8”-1/2”</td>
</tr>
<tr>
<td></td>
<td>MV #0215200502</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.2577.00</td>
<td>Modified w/Thermal Port</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- For Comet BW, LW, AW & ZW Series Pumps
  - MV #0215200500
- For Comet FW2 Series Pumps
  - MV #0215200510
- For Comet LW Misting Pumps
  - MV #0215200504
- For Comet RW Pumps
  - MV #0473900000

### UNLOADER - VRS 3
- 8 GPM
- 3200 Rated PSI
- 3630 Max PSI
- 194° F Max
- 3/8” F In/Outlet & By-Pass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2548.00</td>
<td>Unloader, No Knob</td>
<td>Blue</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4072000021</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.2549.00</td>
<td>Unloader</td>
<td>Blue</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4072000018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.2530.01</td>
<td>Repair Kit</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>MV #4079900004</td>
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</tr>
</tbody>
</table>

### UNLOADER - VRC 25
- **Compensated**
- 8 GPM
- 3630 PSI
- 194° F Max GPM
- Inlet/Outlet 3/8” FPT
- By-Pass 3/8” FPT

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2550.00</td>
<td>Unloader, Panel Mount</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>MV #0215010510</td>
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</tr>
<tr>
<td>8108.2551.00</td>
<td>Unloader, No Knob</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #0215010520</td>
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</tr>
<tr>
<td>8108.2550.01</td>
<td>Repair Kit, Unloader</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>MV #4079900011</td>
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</tr>
<tr>
<td>8108.2552.00</td>
<td>Unloader, w/Switch, Panel Mt</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>MV #0215010530</td>
<td></td>
</tr>
<tr>
<td>8108.2553.00</td>
<td>Unloader, w/Switch, No Knob</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>MV #0215010540</td>
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<tr>
<td>8108.2552.01</td>
<td>Repair Kit, Unloader w/Switch</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>MV #4079900010</td>
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</table>

1 Gauge Port 1/4” FPT

### UNLOADER - VRT 3
- 10.5 GPM
- 194° F Max
- 3/8” F Inlet & Outlet
- SST AISI 303

<table>
<thead>
<tr>
<th>Part#</th>
<th>PSI</th>
<th>Color</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.8502.00</td>
<td>3630</td>
<td>Blue</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>MV #4072000107</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.8506.00</td>
<td>2320</td>
<td>Yellow</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>MV 4072000108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8108.8502.01</td>
<td>Repair Kit</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>MV #4079900054</td>
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<td></td>
</tr>
</tbody>
</table>

### UNLOADER - VR 56
- 8 GPM
- 3625 PSI
- 194° F
- 3/8” MPT In/Outlet
- 3/8” FPT By-Pass
- 1/4” FPT Gauge Port

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2551.00</td>
<td>Unloader</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4072000030</td>
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</tr>
<tr>
<td>8108.2591.01</td>
<td>Repair Kit</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>MV #4079900019</td>
<td></td>
</tr>
</tbody>
</table>
**UNLOADER - VB 85/150 & 310**

- 21 GPM
- 195°F Max
- 1/2" F In/Outlet & By-Pass
- Box Qty 4

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2533.00</td>
<td>Unloader, VB 85/180, 2600 PSI</td>
<td>White</td>
</tr>
<tr>
<td>8116.2534.00</td>
<td>Unloader, VB 85/310, 4500 PSI</td>
<td>Blue</td>
</tr>
<tr>
<td>8116.2533.01</td>
<td>Repair Kit</td>
<td></td>
</tr>
</tbody>
</table>

**UNLOADER - VB-200/150**

- 53 GPM
- 2450 PSI
- 195°F
- 1" FPT Inlet/Outlet
- 1" FPT By-Pass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2502.00</td>
<td>Unloader</td>
</tr>
<tr>
<td>8116.2502.01</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

**UNLOADER - VR 54**

- 8 GPM
- 194°F Max
- 3/8" M In/Outlet
- 3/8" F By-Pass

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.2541.00*</td>
<td>Unloader, 2175 PSI</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2543.00</td>
<td>Unloader, 2900 PSI</td>
<td>Red</td>
</tr>
<tr>
<td>8108.2544.00</td>
<td>Unloader, 2175 PSI</td>
<td>Black</td>
</tr>
<tr>
<td>8108.2544.01</td>
<td>Repair Kit</td>
<td>MV #4079900020</td>
</tr>
</tbody>
</table>

*With Locking Nut

**UNLOADER - Flow Actuated K7**

- 165°F Max Temp
- 0-3000 PSI
- Eliminates Trapped Pressure Between Pump & Gun

<table>
<thead>
<tr>
<th>Part#</th>
<th>GPM</th>
<th>Inlet</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1215.0373.00</td>
<td>2.9 - 4.2</td>
<td>3/8&quot; F</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>1215.0374.00</td>
<td>4.2 - 6.6</td>
<td>3/8&quot; F</td>
<td>3/8&quot; M</td>
</tr>
</tbody>
</table>

**UNLOADER - Mounting Block**

- 4000 PSI Max
- 2 - 3/8" FPT Ports
- Solid Machined Part
- 5/16" x 18 Mounting Holes
- For Remote Mounting of Unloader Valves

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.0551.00</td>
<td>Mounting Block, Aluminum</td>
</tr>
<tr>
<td>8102.0552.00</td>
<td>Mounting Block, Zinc Plated</td>
</tr>
</tbody>
</table>

**VALVES - Ball, Shut-Off**

- 7400 PSI Industrial Duty
- Chrome Plated Steel Ball
- Zinc Plated Steel Body
- 212°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8109.2601.00</td>
<td>1/4&quot; FPT x 1/4&quot; F</td>
<td>2.64</td>
<td>7250</td>
</tr>
<tr>
<td>8109.2602.00</td>
<td>3/8&quot; FPT x 3/8&quot; F</td>
<td>6.60</td>
<td>7250</td>
</tr>
<tr>
<td>8109.2603.00</td>
<td>1/2&quot; FPT x 1/2&quot; F</td>
<td>10.57</td>
<td>7250</td>
</tr>
</tbody>
</table>

**VALVES - Ball, Shut-Off**

- Chrome Plated Steel Ball
- Zinc Plated Steel Body
- 212°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.2601.00</td>
<td>1/4&quot; FPT x 1/4&quot; F</td>
<td>1.79</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2602.00</td>
<td>3/8&quot; FPT x 3/8&quot; F</td>
<td>4.97</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2603.00</td>
<td>1/2&quot; FPT x 1/2&quot; F</td>
<td>8.41</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2604.00</td>
<td>3/4&quot; FPT x 3/4&quot; F</td>
<td>19.9</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2608.00</td>
<td>1&quot; FPT x 1&quot; F</td>
<td>31.1</td>
<td>5000</td>
</tr>
</tbody>
</table>

**VALVES - Ball, Shut-Off**

- 7000 PSI
- Stainless Steel Body
- 212°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.2640.00</td>
<td>Ball Valve, 3/8&quot; FPT x 3/8&quot; FPT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

E-mail: cometpump@cometpump.com
### VALVES - Ball, Shut-Off, 3-Way

- Chrome Plated Steel Ball
- Zinc Plated Steel Body
- 212°F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>GPM</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8402.2615</td>
<td>3/8&quot; FPT x 3/8&quot; F</td>
<td>4.97</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2623</td>
<td>1/2&quot; FPT x 1/2&quot; F</td>
<td>8.41</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2620</td>
<td>3/4&quot; FPT x 3/4&quot; F</td>
<td>19.9</td>
<td>7250</td>
</tr>
<tr>
<td>8402.2621</td>
<td>1&quot; FPT x 1&quot; F</td>
<td>31.1</td>
<td>5000</td>
</tr>
<tr>
<td>8402.2622</td>
<td>1-1/4&quot; FPT x 1-1/4&quot; F</td>
<td>50.9</td>
<td>5000</td>
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### VALVES - Ball, Shut-Off

- 3045 PSI
- Nickel Plated Brass Body
- 176°F
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.2630</td>
<td>Ball Valve, 3/8&quot; F x 3/8&quot; F</td>
</tr>
<tr>
<td>8107.2631</td>
<td>Ball Valve, 1/2&quot; F x 1/2&quot; F</td>
</tr>
</tbody>
</table>

### VALVES - EZ Start

- Release Trapped System Pressure
- For Starting Gasoline Engines
- 1.6 GPM Valve Closure Flow
- 8 GPM
- 4060 PSI Max
- 194°F
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.1750</td>
<td>3/8&quot; MPT, 90° w/Hose Barb</td>
</tr>
</tbody>
</table>

### VALVES - Ball, Economy Lever

- 200 PSI Rating
- -4 to 250°F
- Chromed Brass Body
- Chromed Ball & Stem
- Teflon Seat & Viton Seals

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8106.2612</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2603</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2600</td>
<td>Nylon Lever Handle</td>
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<tr>
<td>8106.2604</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2609</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2605</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2611</td>
<td>Nylon Lever Handle</td>
</tr>
<tr>
<td>8106.2613</td>
<td>Nylon Lever Handle</td>
</tr>
</tbody>
</table>

### VALVES - EZ Start

- Release Trapped System Pressure
- For Starting Gasoline Engines
- 3500 PSI Max
- 1/4" Hose Barb

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102.1750</td>
<td>3/8&quot; MPT w/Hose Barb</td>
</tr>
</tbody>
</table>

### VALVES - Jetter

- Converts Triplex Pump to Duplex Pump
- Replaces Inlet Valve Cap

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0608.0034</td>
<td>LW, FW &amp; ZW up to 3000 PSI</td>
</tr>
<tr>
<td>0608.0035</td>
<td>ZW, HW, RW &amp; SW over 3000 PSI</td>
</tr>
<tr>
<td>0608.0036</td>
<td>TW up to 3600 PSI</td>
</tr>
<tr>
<td>0608.0037</td>
<td>TW over 3600 PSI</td>
</tr>
<tr>
<td>*</td>
<td>TW 8040 S uses 0608.0036.00</td>
</tr>
</tbody>
</table>
### VALVES - Pressure Regulating

- 21 GPM
- 8100 Rated PSI
- 8700 Max PSI
- 195° F Max
- 1/2” F In/Outlet & By-Pass
- Stainless Steel 303

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8116.2506.00</td>
<td>Regulating Valve, VRP 600</td>
</tr>
</tbody>
</table>

### VALVES - Pressure Regulating

- 8.0 GPM
- 194° F
- 3/8” FPT Inlet & By-Pass
- SST AISI 303
- Viton O-Ring & Ceramic Ball
- Box Qty 5

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7634.00</td>
<td>VXR 3, 2320 PSI, Yellow, No Knob</td>
</tr>
<tr>
<td></td>
<td>MV #4072300002</td>
</tr>
<tr>
<td>8108.7635.00</td>
<td>VXR 3, 4500 PSI, Black, No Knob</td>
</tr>
<tr>
<td></td>
<td>MV #4072300003</td>
</tr>
<tr>
<td>8108.7634.01</td>
<td>Repair Kit</td>
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<tr>
<td></td>
<td>MV #4079900028</td>
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</tbody>
</table>

### VALVES - Restrictor, Flow VP 2

- 8 GPM
- 4060 PSI
- 320° F
- Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.8220.00</td>
<td>Valve, 1/4” M In, 1/4” F Out</td>
</tr>
<tr>
<td></td>
<td>MV #4130100001</td>
</tr>
<tr>
<td>8108.7025.00</td>
<td>Valve, M22M x M22F</td>
</tr>
<tr>
<td></td>
<td>MV #4130100002</td>
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</table>

### VALVES - Safety SVL 50

- 26.4 GPM
- 8100 PSI
- 194° F

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.7628.00</td>
<td>Valve, 1/2” F Inlet x 1/2” F By-Pass</td>
</tr>
<tr>
<td></td>
<td>MV #4073500003</td>
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<tr>
<td>8108.7628.01</td>
<td>Repair Kit</td>
</tr>
<tr>
<td></td>
<td>MV #4079900048</td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief

- 6.6 GPM
- 194° F
- 3/8” FPT Inlet x By-Pass x 2

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7624.00</td>
<td>Valve, 5800 PSI, SVT 40</td>
</tr>
<tr>
<td></td>
<td>MV #0215010430</td>
</tr>
<tr>
<td>8108.7620.00</td>
<td>Valve, 4060 PSI, SVT 28</td>
</tr>
<tr>
<td></td>
<td>MV #0215010190</td>
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<tr>
<td>8108.7622.00</td>
<td>Valve, 2450 PSI, SVT 17</td>
</tr>
<tr>
<td></td>
<td>MV #4072000032</td>
</tr>
<tr>
<td>8108.7620.01</td>
<td>Repair Kit</td>
</tr>
<tr>
<td></td>
<td>MV #4079900012</td>
</tr>
</tbody>
</table>
### VALVES - Safety Relief VLP

- 4060 PSI
- 230° F
- 1/4" M Inlet
- P.G. 016 mm Outlet

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7638.00</td>
<td>Safety Valve, 2.1-3.2 GPM</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4073500010</td>
<td></td>
</tr>
<tr>
<td>8108.7639.00</td>
<td>Safety Valve, 3.4-4.5 GPM</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4073500011</td>
<td></td>
</tr>
<tr>
<td>8108.7660.00</td>
<td>Safety Valve, 4.5-5.6 GPM</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MV #4073500012</td>
<td></td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief VS 310

- 11 GPM
- 5100 PSI
- 195° F
- Box Qty 4

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8116.2625.00</td>
<td>Valve, 3/8&quot; F Inlet &amp; By-Pass</td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief SVL 22/450

- 120 GPM
- 4800 PSI
- 194° F
- Allowable Setting Pressure 1450-2900 PSI

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7638.00</td>
<td>Valve, 1&quot; F Inlet x 1&quot; F By-Pass</td>
</tr>
<tr>
<td></td>
<td>MV #4073500001</td>
</tr>
<tr>
<td>8108.7638.01</td>
<td>Repair Kit</td>
</tr>
<tr>
<td></td>
<td>MV #40799000036</td>
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</tbody>
</table>

### VALVES - Safety Relief SVX

- 8 GPM
- 4500 PSI
- 194° F
- Stainless Steel AISI 303

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8108.7627.00</td>
<td>Valve, Stainless 3/8&quot; FPT x 3/8&quot; FPT</td>
</tr>
<tr>
<td></td>
<td>MV #4073200001</td>
</tr>
<tr>
<td>8108.7627.01</td>
<td>Repair Kit</td>
</tr>
<tr>
<td></td>
<td>MV #4073200001</td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief SVL

- 6.6 GPM
- 194° F
- 3/8" NPT Inlet x By-Pass
- 362 PSI Min Adjust Pressure
  - Box Qty 24

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8108.7623.00</td>
<td>Safety Valve SVL 17, 2450 PSI</td>
</tr>
<tr>
<td></td>
<td>MV #4072000031</td>
</tr>
<tr>
<td>8108.7621.00</td>
<td>Safety Valve SVL 28, 4060 PSI</td>
</tr>
<tr>
<td></td>
<td>MV #0215010220</td>
</tr>
<tr>
<td>8108.7620.01</td>
<td>Repair Kit</td>
</tr>
<tr>
<td></td>
<td>MV #4079900012</td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief

- 8 GPM
- 3625 PSI
- 194° F
- Adjustable Pressure Relief
  - Box Qty 10

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8107.2621.00</td>
<td>3/8&quot; M, 1/4&quot; M Discharge</td>
</tr>
<tr>
<td>8107.2621.01</td>
<td>3/8&quot; M, 1/4&quot; Hose Barb Discharge</td>
</tr>
</tbody>
</table>

### VALVES - Safety Relief VLP

- 145 PSI Max. Inlet Pressure
- 133° F Relief Temp.
- Protects Pumps from Overheating

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1215.0311.00</td>
<td>Safety Valve 1/8&quot; M, 3000 PSI</td>
</tr>
<tr>
<td>1215.0443.00</td>
<td>Safety Valve 1/8&quot; M, 3625 PSI</td>
</tr>
</tbody>
</table>

### VALVES - Thermal Relief

- 145 PSI Max. Inlet Pressure
- 133° F Relief Temp.
- Protects Pumps from Overheating

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>1215.0523.00</td>
<td>Thermal Relief Valve 1/4&quot;</td>
</tr>
<tr>
<td>1215.0354.00</td>
<td>Thermal Relief Valve 3/8&quot;</td>
</tr>
<tr>
<td>1215.0355.00</td>
<td>Thermal Relief Valve 1/2&quot;</td>
</tr>
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</table>
**VALVES - Thermal Relief**

- 200 PSI
- Protects Pumps from Overheating

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Temp</th>
</tr>
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<tbody>
<tr>
<td>8102.1700.00</td>
<td>Thermal Relief Valve 3/8”</td>
<td>145° F A</td>
</tr>
<tr>
<td>8402.1700.00</td>
<td>Thermal Relief Valve 3/8”</td>
<td>140° F B</td>
</tr>
<tr>
<td>8102.1701.00</td>
<td>Thermal Relief Valve 1/2”</td>
<td>145° F A</td>
</tr>
<tr>
<td>8402.1701.00</td>
<td>Thermal Relief Valve 1/2”</td>
<td>140° F B</td>
</tr>
</tbody>
</table>

**WATER BROOM**

- 1/4” QD Plug
- 4000 PSI

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>8402.2500.00</td>
<td>12”, 3 GPM, 3 Nozzles</td>
</tr>
<tr>
<td>8402.2501.00</td>
<td>16”, 3 GPM, 4 Nozzles</td>
</tr>
<tr>
<td>8113.3163.00</td>
<td>Nozzle, Meg, 1/4” 6513</td>
</tr>
</tbody>
</table>

**PRESSURE WASHERS**

**SCOUT - Hot Water**

- 2 GPM @ 1300 PSI
- 3400 RPM
- Brass Headed Pump
- 120V-60Hz-1 Phase; 14 Amps
- Includes GFCI w/15” Cord
- 35’ Rubber hose
- Professional Gun/Lance
- Includes Hose Reel
- Diesel Burner

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
<td>9044.0011.00</td>
<td>Scout 135 Classic</td>
</tr>
</tbody>
</table>

**STATIC - Cold Water**

- 2.2 GPM
- 1300 PSI
- 115V-60Hz-1 Phase
- 14 Amps-1500W
- Gun & Lance w/Vari-Jet
- Hose Reel w/65’(20m) Rubber Hose
- Turbo Nozzle, Foamer & Rotating Brush
- Wall Mountable

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>9052.0007.00</td>
<td>Static 1700</td>
</tr>
</tbody>
</table>

**TRACTOR PTO - Pressure Washer**

- Complete Pressure Washer
- Includes Frame, Pump & Accessories
- 3 Point Hitch
- 550 RPM Power Take-Off
- Frame Folds for Shipping

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>9045.0005.00</td>
<td>PTO 30/170 w/Frame TWN 8025 S</td>
</tr>
<tr>
<td>9045.0001.00</td>
<td>PTO 12/120 w/Frame FW 5530 S</td>
</tr>
<tr>
<td>9045.0014.00</td>
<td>PTO 21/200 w/Frame RW 5530 S</td>
</tr>
<tr>
<td>9045.0002.00</td>
<td>PTO 33/150 w/Frame TW 8030 S</td>
</tr>
<tr>
<td>9045.0003.00</td>
<td>PTO 23/200 w/Frame TWN 6036 S</td>
</tr>
<tr>
<td>9045.0015.00</td>
<td>PTO 10/300 w/Frame TW 4545 S</td>
</tr>
<tr>
<td>9045.0010.00</td>
<td>PTO 30/170 TWN 8025 S, 8 @ 2500</td>
</tr>
<tr>
<td>9045.0016.00</td>
<td>PTO 21/200 RW 5530 S, 5.5 @ 3000</td>
</tr>
<tr>
<td>9045.0007.00</td>
<td>PTO 33/150 TW 8030 S, 8.8 @ 2175</td>
</tr>
<tr>
<td>9045.0008.00</td>
<td>PTO 23/200 TWN 6036 S,8.7@3000</td>
</tr>
<tr>
<td>5005.0242.00</td>
<td>Gear Box, 550 RPM</td>
</tr>
<tr>
<td>5003.0050.00*</td>
<td>Kit, Conversion, 1000 RPM</td>
</tr>
<tr>
<td>8102.1801.00</td>
<td>Oil, Bottle</td>
</tr>
</tbody>
</table>

*Needed with Gear Box to convert to 1000 RPM for TWN PTO
### Conversion Tables & Formulas

<table>
<thead>
<tr>
<th>Weights &amp; Volumes</th>
<th>Torque</th>
<th>Length Calculations</th>
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</thead>
<tbody>
<tr>
<td>Gal. × 3.785 = Liters</td>
<td>NM = Ft./lb. × 1.35</td>
<td>.001 in. × 25.4 = Microns</td>
</tr>
<tr>
<td>Gal. × 128 = Ounces</td>
<td>Ft./lb. = NM / 1.35</td>
<td>In. × 25.4 = MM</td>
</tr>
<tr>
<td>Gal × 231 = Cu. In.</td>
<td>In./lb. = Ft./lb. × 12</td>
<td>MM × .03937 = Inches</td>
</tr>
<tr>
<td>Gal. × 8.3453 = Pounds</td>
<td><strong>Temperatures</strong></td>
<td>Belt Length = 2 × CD + D + d × 1.57</td>
</tr>
<tr>
<td>Ltr. × 61.02 = Cu. In.</td>
<td>°C = 0.555(°F-32)</td>
<td><strong>Nozzles</strong></td>
</tr>
<tr>
<td>Ltr. × 33.82 = Ounces</td>
<td>°F = (1.8°C+32)</td>
<td>Nozzle # = GPM (i.e., 22 = 2.2)</td>
</tr>
<tr>
<td>Ltr. × .2642 = Gallons</td>
<td><strong>Required Horsepower</strong></td>
<td>GPM = Nozzle # × (4000 / PSI)</td>
</tr>
<tr>
<td>Ltr. × 1000 = Cubic CM</td>
<td>GPM × PSI = Elec. Brake HP</td>
<td>PSI = 4000 × (GPM / Nozzle #)</td>
</tr>
<tr>
<td>ML (CC) × .0338 = Ounces</td>
<td>GPM × PSI = Hydraulic HP</td>
<td></td>
</tr>
<tr>
<td>Gram × .03527 = Ounces</td>
<td>GPM × PSI = Gasoline HP</td>
<td></td>
</tr>
<tr>
<td>PSI × .0680 = Bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bar × 14.5 = PSI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In. HG × .4912 = PSI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In. H2O × .8226 = In. HG</td>
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**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

- S = Solid Shaft
- E = Elec. Flange & Shaft
- G = Gas Flange & Shaft

**Gallons per Minute**

### Sizing Chart for Hi-Lo Vari Nozzles

<table>
<thead>
<tr>
<th>NOZZLE DIA.</th>
<th>PRESSURE - PSI</th>
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<tr>
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**Pulley Ratio**

- Motor Pulley OD = Pump RPM
- Pump RPM = Motor Pulley OD

**Length Calculations**

- .001 in. × 25.4 = Microns
- In. × 25.4 = MM
- MM × .03937 = Inches

**Torque**

- NM = Ft./lb. × 1.35
- Ft./lb. = NM / 1.35
- In./lb. = Ft./lb. × 12

**Nozzles**

- Nozzle # = GPM (i.e., 22 = 2.2)
- GPM = Nozzle # × (4000 / PSI)
- PSI = 4000 × (GPM / Nozzle #)

**Sample Pump Model Number**

LWD 2220 G

- S = Solid Shaft
- E = Elec. Flange & Shaft
- G = Gas Flange & Shaft

**Gallons per Minute**

### Nozzle size for Rotating Nozzles (GPM)

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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.

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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

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### E-mail: cometpump@cometpump.com