Legacy Universal Unloader (UU1)

The Legacy Universal Unloader is unique in that it allows for height or width adjustments making it ideal for any pump. Exclusively available through Spraymart.

- 6 GPM
- 3500 PSI
- 195°F
- Forged brass body
- 1/2" NPT inlet
- 3/8" NPT outlet
- Stainless steel seat and low-friction, wear-resistant plunger
- 16.1 oz weight

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.175-018.0</td>
<td>Universal Unloader</td>
</tr>
</tbody>
</table>

Minimum Adjustment:

Maximum Adjustment:

Adjusting inlet port
1. Push up inlet port to make it shorter.
2. Pull down inlet port to make it longer.

Adjusting horizontal sliding connector
1. Turn the connector clockwise direction to make it shorter.
2. Turn the connector counterclockwise direction to make it longer.
Automatic Pressure Regulator

Integral Regulator For Admiral Pumps: WE - WG - WEL - XLS - XLE - XLG bolt on for Admiral and Legacy Pumps. Trapped pressure regulator specifically designed for use on the Admiral plunger pumps. Integral inlet, bypass and outlet eliminates the need for bypass hose.

- 6 GPM
- 3200 PSI
- 195°F
- Forged brass body
- 3/8” MPT outlet
- Stainless steel plunger & seat valve
- 29 oz weight

Regulator / Unloader 580

Single Inlet.

- 8 GPM
- 3600 PSI
- 200°F
- 3/8” MPT inlet & outlet, 1/4” FPT bypass
- Adjustable pressure setting nut
- Heavy-duty forged brass body
- Stainless steel ball & valve seat
- High temperature Viton seals
- Adjustable upper pressure limit lock

Regulators / Unloaders

Basic Valves. Premium Performance.

- Forged brass body
- Stainless steel seat & piston

520 Regulator / Unloader

- Rated @ 2000 PSI
- 13 oz weight
- 3/8” MPT inlet, outlet & bypass
- 200°F
- Tested up to 2400 PSI
- 8 GPM

540 Regulator / Unloader

- Rated @ 2600 PSI
- 15 oz weight
- Tested up to 2800 PSI
- 8 GPM

560 Regulator / Unloader

- Rated @ 3200 PSI
- 15 oz weight
- Tested up to 3400 PSI
- 8 GPM

Repair Kits

- For use with 520, 540, and 560 Regulator/Unloaders

VRT3 Unloader Valve

- Forged brass body
- Stainless internals
- Up to 4500 PSI
- 200°F
- 8.0 GPM
- 3/8” in-out/bypass

Repair Kits

- Repair Kit, VRT3, 2320/3630 PSI
- Repair Kit, VRT3, 4500 PSI
- Repair Kit, Old Style VRT 605, 606, 607
UNLOADERS

Pulsar Unloaders

• Pulsar 3 blue rated 3200 PSI – Max 3650 PSI
• Pulsar 3 white rated 1400 PSI – Max 1750 PSI
• Pulsar 280 HP rated 4050 PSI – Max 4350 PSI
• 195°F
• Rated pressure: 2300 PSI
• 200°F
• 3/8” MPT inlet & outlet
• Two 3/8” FPT bypass ports
• Stainless steel plunger
• Stainless steel valve seat
• 14.7 oz weight

VB10
8.712-650.0 462650 Pulsar 3 (Blue) w/ Knob
8.712-651.0 462651 Pulsar 3 (Blue) w/o Knob
8.712-653.0 462654 Pulsar 3 (White) w/ Knob
8.712-731.0 463150 Pulsar 280 HP
8.704-462.0 111100 Repair Kit – Pulsar 3
9.802-004.0 111375 Repair Kit – 280 HP

VB7 / VB135
The VB7 is an integrated unloader for INTERPUMP/GENERAL pumps with 7.8 GPM – 3600 PSI max pressure. The VB135 fits Interpump “WW” Series Pumps and General “TT” Series Pumps with 6.5 GPM – 2600 PSI max pressure.

• Rated pressure: 3200 PSI
• 200°F
• 1/2” MPT inlet, 1/4” FPT gauge port
• 3/8” FPT outlet & bypass
• 19.7 oz weight

Part No. Original No. Description
8.712-742.0 463672/462646 Series 44 (EZ) & 47 pumps (W151)
8.704-488.0 111175 Seal Kit
8.712-735.0 463660 Knob Only
8.712-659.0 462659 VB 135
8.712-735.0 463660 Knob Only
9.802-006.0 111150 VB 135 Repair Kit

VB350/4 Unloader
Bigger. Stronger. Faster - 5600 PSI

• 10.5 GPM
• Rated 5100 PSI
• Max 5600 PSI
• 195°F max
• Forged bronze body
• 31 oz weight
• Stainless steel plunger & valve seat
• 3/8” FPT outlet & bypass
• 1/2” F bypass
• 3/8” MPT inlet, 1/4” gauge port

Part No. Original No. Description
9.802-360.0 463680K Unloader Red Knob
8.704-499.0 111200X Repair Kit Old VB 350
9.800-106.0 111901 Repair Kit - Red Knob Version

VB75 / VB135

VB75
• Rated pressure: 3200 PSI
• 200°F
• 1/2” MPT inlet, 1/4” FPT gauge port
• 3/8” FPT outlet & bypass
• Stainless internals
• Forged brass body
• 22.9 oz weight

Part No. Original No. Description
8.712-742.0 463672/462646 Series 44 (EZ) & 47 pumps (W151)
8.704-488.0 111175 Seal Kit
8.712-735.0 463660 Knob Only
8.712-659.0 462659 VB 135
8.712-735.0 463660 Knob Only
9.802-006.0 111150 VB 135 Repair Kit

VB135

VB75

VB135

Regulator / Unloader 21 Gallon

• VB80/280 rated @ 4500 PSI
• VB80/150 rated @ 2250 PSI
• 200°F
• Pressure actuated
• Forged brass body
• Stainless steel plunger & seat
• 1/2” FPT in-out-bypass
• 45 oz weight

Part No. Original No. Description
8.715-459.0 462655 VB80/280 - Blue Spr
8.712-657.0 462657 VB80/150 - White Spr
8.704-530.0 111300 Repair Kit

Pulsar Unloaders

Fits CAT 4SF pumps and other pumps; 7.8 GPM – 3600 PSI max pressure.

• Rated pressure: 3200 PSI
• 3/8” FPT outlet & bypass
• 19.7 oz weight
• 200°F
• 3/8” MPT inlet, 1/4” FPT gauge port

Part No. Original No. Description
8.712-741.0 463670 w/o Knob
8.904-580.0 463670K w/ Knob
8.704-488.0 111175 Repair Kit
8.712-735.0 463600 Knob Only

VB130 Regulator / Unloader
Fits CAT 2SF pumps and other pumps; 6.6 GPM – 2600 PSI max pressure.

• Rated pressure: 2300 PSI
• 3/8” MPT inlet & outlet
• 3/8” FPT bypass
• 200°F
• Stainless steel plunger
• Stainless steel valve seat
• 14.7 oz weight

Part No. Original No. Description
8.712-739.0 463660 w/o Knob
8.904-579.0 463660K w/ Knob
9.802-006.0 111150 Repair Kit
8.712-735.0 463600 Knob Only

Automatic Pressure Compensating Unloader Valves VB10 / VB9

7.8 GPM - 3600 PSI

• Rated 3200 PSI
• 194°F
• Hex-shaped non-stick check valve
• 3/8” in/out/bypass
• Brass valve body/stainless ball & seat
• Knob included
• VB9 - Panel mountable

Part No. Original No. Description
8.712-736.0 463650 VB9 w/ Knob
8.715-462.0 VB9 w/ Knob & Pressure Switch
8.712-745.0 463675 VB10 w/ Knob
8.704-548.0 111336 Repair Kit VB9
8.704-561.0 111400 Repair Kit VB10
8.901-056.0 111401 Seal Kit VB10
UNLOADERS

Your One Stop Shop for Parts

**VB200 / 150 High Volume Unloader**

- 52.5 GPM
- Forged bronze body
- Large plastic knob (removable)
- Lock nut on pressure adjustment

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-754.0</td>
<td>463714</td>
<td>VB 200/150 w/o Knob</td>
</tr>
<tr>
<td>8.712-755.0</td>
<td>463715</td>
<td>VB 200/150 w/ Knob</td>
</tr>
<tr>
<td>8.704-583.0</td>
<td>111550</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

**VB80/400 Stainless Steel Unloader**

21 GPM – 6200 PSI.

- Rated 5800 PSI
- Forged stainless steel body
- 195°F
- All stainless steel valve parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-656.0</td>
<td>462656</td>
<td>VB 80/400</td>
</tr>
<tr>
<td>9.802-007.0</td>
<td>111340</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

**Hypro-Style Unloader**

- All rated at 5 GPM
- Pressures from 400 to 1500 PSI
- 180°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure</th>
<th>Bypass</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-589.0</td>
<td>462739</td>
<td>200-500</td>
<td>1/4” FPT</td>
</tr>
<tr>
<td>8.712-690.0</td>
<td>462740</td>
<td>400-1000</td>
<td>1/4” FPT</td>
</tr>
<tr>
<td>8.712-691.0</td>
<td>462743</td>
<td>800-1500</td>
<td>1/4” FPT</td>
</tr>
<tr>
<td>8.712-692.0</td>
<td>462745*</td>
<td>400-1000</td>
<td></td>
</tr>
<tr>
<td>8.712-693.0</td>
<td>462748*</td>
<td>800-1500</td>
<td></td>
</tr>
<tr>
<td>8.722-643.0</td>
<td>H34300223</td>
<td>Repair Kit for All</td>
<td></td>
</tr>
</tbody>
</table>

*Bypass port not threaded, Closed Coupled

**“K” Series Pressure Regulators**

Unloaders relieve line pressure in bypass mode.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model</th>
<th>GPM</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>K3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.712-603.0</td>
<td>462530A</td>
<td>K3.0</td>
<td>2.10-2.90</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-605.0</td>
<td>462531A</td>
<td>K3.1</td>
<td>2.90-4.22</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-607.0</td>
<td>462532A</td>
<td>K3.2</td>
<td>4.22-5.55</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-609.0</td>
<td>462533A</td>
<td>K3.3</td>
<td>5.00-6.50</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-604.0</td>
<td>462530E</td>
<td>K3.0</td>
<td>2.10-2.90</td>
<td>1/2&quot; M</td>
</tr>
<tr>
<td>8.712-606.0</td>
<td>462531E</td>
<td>K3.1</td>
<td>2.90-4.22</td>
<td>1/2&quot; M</td>
</tr>
<tr>
<td>8.712-608.0</td>
<td>462532E</td>
<td>K3.2</td>
<td>4.22-5.55</td>
<td>1/2&quot; M</td>
</tr>
<tr>
<td>8.712-610.0</td>
<td>462533E</td>
<td>K3.3</td>
<td>5.00-6.50</td>
<td>1/2&quot; M</td>
</tr>
</tbody>
</table>

K5 - 1000-3000 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model</th>
<th>GPM</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>K5</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.712-611.0</td>
<td>462551A</td>
<td>K5.1</td>
<td>2.90-4.22</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-613.0</td>
<td>462552A</td>
<td>K5.2</td>
<td>4.22-6.60</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-615.0</td>
<td>462553A</td>
<td>K5.3</td>
<td>6.60-10.83</td>
<td>3/8&quot; M</td>
</tr>
<tr>
<td>8.712-612.0</td>
<td>462551E</td>
<td>K5.1</td>
<td>2.90-4.22</td>
<td>1/2&quot; M</td>
</tr>
<tr>
<td>8.712-614.0</td>
<td>462552E</td>
<td>K5.2</td>
<td>4.22-6.60</td>
<td>1/2&quot; M</td>
</tr>
<tr>
<td>8.712-616.0</td>
<td>462553E</td>
<td>K5.3</td>
<td>6.60-10.83</td>
<td>1/2&quot; M</td>
</tr>
</tbody>
</table>

K7 - 0-3000 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model</th>
<th>GPM</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>K7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.712-617.0</td>
<td>462570</td>
<td>K7.0</td>
<td>2.11-2.90</td>
<td>3/8&quot; M</td>
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<tr>
<td>8.712-618.0</td>
<td>462571</td>
<td>K7.1</td>
<td>2.90-4.22</td>
<td>3/8&quot; M</td>
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<tr>
<td>8.712-619.0</td>
<td>462572</td>
<td>K7.2</td>
<td>4.22-6.60</td>
<td>3/8&quot; M</td>
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<tr>
<td>8.712-620.0</td>
<td>462573</td>
<td>K7.3</td>
<td>6.60-10.8</td>
<td>3/8&quot; M</td>
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</table>

K9 - 0-5800 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model</th>
<th>GPM</th>
<th>Outlet</th>
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</thead>
<tbody>
<tr>
<td>K9</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>8.712-621.0</td>
<td>462574</td>
<td>K9</td>
<td>13.2</td>
<td>1/2&quot; M</td>
</tr>
</tbody>
</table>

**VBA35/VB55 Unloader Valves for Legacy HD Pumps**

- 6.6 GPM
- 3500 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBA35 for Legacy HD models</td>
<td>9.803-890.0</td>
</tr>
<tr>
<td>9.803-900.0</td>
<td>GM, GS</td>
</tr>
<tr>
<td>VB55 for Legacy HD models</td>
<td>9.802-363.0</td>
</tr>
</tbody>
</table>
Control Set “W” Series / Integrated Regulator / Unloader

Designed exclusively to fit INTERPUMP and GENERAL pumps.

- Mounts directly on pump inlet and outlet; internal bypass loop
- Pressure actuated: “Instant - On”
- 3/8” MPT outlets
- Integrated injector - optional
- Pressure and flow engineered for specific pump models

ST-261 Regulator / Unloader

- 8 GPM
- Stainless steel plunger & seat
- 0–3600 PSI regulation
- Viton seals
- 180°F temperature rating
- Forged brass body
- 22.5 oz weight

ST-261 Standard

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-681.0</td>
<td>462690</td>
<td>ST-261 STD</td>
</tr>
<tr>
<td>8.900-156.0</td>
<td>088211X</td>
<td>Seal Kit</td>
</tr>
<tr>
<td>8.701-629.0</td>
<td>088209</td>
<td>Repair Kit “B”</td>
</tr>
<tr>
<td>8.701-650.0</td>
<td>088466</td>
<td>Outlet Check Kit “A”</td>
</tr>
</tbody>
</table>

ST-261/S Unloader with Bypass Switch

- Switches at full bypass flow
- 10 Amp, 110/230V
- Wired N/C (may be wired N/O)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-665.0</td>
<td>462695</td>
<td>ST-261/S</td>
</tr>
<tr>
<td>8.701-647.0</td>
<td>088422</td>
<td>Switch Seal Kit</td>
</tr>
</tbody>
</table>

ST-261/I Unloader with Chemical Injector

- Switches at full bypass flow
- 10 Amp, 110/230V
- Wired N/C (may be wired N/O)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>GPM</th>
<th>PSI</th>
<th>Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-686.0</td>
<td>462691</td>
<td>0.0–2.4</td>
<td>1600</td>
<td>W905</td>
</tr>
<tr>
<td>8.712-683.0</td>
<td>462692</td>
<td>2.4–3.5</td>
<td>1600</td>
<td>W99</td>
</tr>
<tr>
<td>8.712-684.0</td>
<td>462693</td>
<td>3.5–5.5</td>
<td>3000</td>
<td>W997</td>
</tr>
<tr>
<td>8.900-159.0</td>
<td>088260X</td>
<td>Injector Repr w/o Barb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.701-648.0</td>
<td>088424</td>
<td>Injector Repr w/ Barb</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ST-261/SI Unloader with Switch and Injector

- Switches at full bypass flow
- 10 Amp, 110/230V
- Wired N/C (may be wired N/O)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>GPM</th>
<th>PSI</th>
<th>Pump</th>
</tr>
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<tbody>
<tr>
<td>8.712-686.0</td>
<td>462696</td>
<td>0.0–2.4</td>
<td>3000</td>
<td>W905</td>
</tr>
<tr>
<td>8.904-576.0</td>
<td>462697</td>
<td>2.4–3.5</td>
<td>3000</td>
<td>W99</td>
</tr>
<tr>
<td>8.904-577.0</td>
<td>462698</td>
<td>3.5–5.5</td>
<td>3000</td>
<td>W997</td>
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<td>8.904-578.0</td>
<td>088260X</td>
<td>Injector Repr w/o Barb</td>
<td></td>
<td></td>
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<tr>
<td>8.701-648.0</td>
<td>088424</td>
<td>Injector Repr w/ Barb</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HM Regulator / Unloader

- Excess flow is bypassed to maintain selected pressure
- Will operate on single or multiple gun systems
- Brass body - Stainless steel valve & seat
- 3/8” FPT inlet

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-622.0</td>
<td>462575</td>
<td>HM Regulator/Unloader</td>
</tr>
<tr>
<td>8.702-860.0</td>
<td>103072B</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

YU - High Volume Unloader

- 21 GPM
- 1/2” FPT inlet, outlet
- 2 - 1/2” FPT bypass ports
- YU-2121 Yellow Spring
- YU-2140 Green Spring
- 2450 PSI
- 2200 PSI rated pressure
- 200°F
- Forged brass body
- SS internals

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-631.0</td>
<td>462628</td>
<td>2121 Yellow</td>
</tr>
<tr>
<td>8.712-632.0</td>
<td>462629</td>
<td>2140 Green</td>
</tr>
<tr>
<td>9.802-007.0</td>
<td>111340</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>
ST-230 Regulator / Relief Valve

- 8 GPM
- Complete pressure regulation: 0-3600 PSI
- 200°F
- 1/4” FPT Inlet & bypass
- Mounts off-line – No line restrictions
- All brass body with stainless steel piston and seat
- 14 oz weight

ST-280 Regulator / Unloader

- 8 GPM
- 3600 PSI
- 175°F
- 27.5 oz weight
- Brass housing - stainless steel valve
- 3/8” FPT inlet/outlet
- 1/4” FPT bypass

MG4000 Series Unloaders

“The world’s best unloader value” with a choice of PSI: 1500, 3000 or 4500.

- Forged Brass Body
- 3/8” FPT inlet, outlet & bypass
- Auxiliary 1/4” outlet
- 10 GPM
- 200°F
- Up to 4500 PSI
- Can be panel mounted
- Pressure limit indicated with color coded ring

Pressure Actuated Unloaders

- Unloads pressure in entire system when in bypass
- Forged brass bodies/ stainless ball & seat
- Four 1/4” side ports enhance versatility
- 1/2” FPT inlet, outlet & bypass ports
- 57.3 oz weight

Flow Actuated Unloaders

- Unloads pressure in entire system when in bypass
- Forged bronze body
- Stainless steel seat
- 1/2” bypass
- 160°F

ST-230 Regulator / Relief Valve

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-628.0</td>
<td>462590</td>
<td>ST-230</td>
</tr>
<tr>
<td>8.701-626.0</td>
<td>087926</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

ST-280 Regulator / Unloader

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-674.0</td>
<td>462680</td>
<td>ST-280</td>
</tr>
<tr>
<td>8.701-655.0</td>
<td>088536</td>
<td>Seat Repair Kit “D”</td>
</tr>
<tr>
<td>8.701-654.0</td>
<td>088535</td>
<td>Piston Seal Kit “C”</td>
</tr>
<tr>
<td>8.701-653.0</td>
<td>088534</td>
<td>Poppet Repair Kit</td>
</tr>
</tbody>
</table>

MG4000 Series Unloaders

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>PSI</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-715.0</td>
<td>463108</td>
<td>1500</td>
<td>Yellow</td>
</tr>
<tr>
<td>8.712-718.0</td>
<td>463110</td>
<td>3000</td>
<td>Red</td>
</tr>
<tr>
<td>8.712-724.0</td>
<td>463114</td>
<td>4500</td>
<td>Black</td>
</tr>
</tbody>
</table>

MG4000 with Microswitch

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-717.0</td>
<td>463109K</td>
<td>1500 PSI</td>
<td>Yellow</td>
</tr>
<tr>
<td>8.712-720.0</td>
<td>463111K</td>
<td>3000 PSI</td>
<td>Red</td>
</tr>
<tr>
<td>8.712-714.0</td>
<td>463105K</td>
<td>3600 PSI</td>
<td>Blue</td>
</tr>
<tr>
<td>8.712-727.0</td>
<td>463115K</td>
<td>4500 PSI</td>
<td>Black</td>
</tr>
</tbody>
</table>

13 GPM Pressure Actuated Unloaders

- 13 GPM
- 800-3000 PSI
- 160°F
- Bellville spring washers minimize spikes

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model No.</th>
<th>PSI</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-709.0</td>
<td>462934</td>
<td>22910</td>
<td>800</td>
<td>Silver</td>
</tr>
<tr>
<td>8.712-710.0</td>
<td>462935</td>
<td>22911</td>
<td>1400</td>
<td>Yellow</td>
</tr>
<tr>
<td>8.712-711.0</td>
<td>462937</td>
<td>22912</td>
<td>2400</td>
<td>Red</td>
</tr>
<tr>
<td>8.712-708.0</td>
<td>462933</td>
<td>22913</td>
<td>3000</td>
<td>Orange</td>
</tr>
<tr>
<td>8.722-137.0</td>
<td>G012099</td>
<td>Repair Kit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pressure Actuated Unloaders

- Unloads pressure in entire system when in bypass
- Forged bronze body
- Stainless steel seat
- 3/8” FPT inlet/ 3/8” FPT outlet
- 1/4” FPT bypass
- 160°F

Flow Actuated Unloaders

- Unloads pressure in entire system when in bypass
- Forged bronze body
- Stainless steel seat
- 3/8” FPT inlet/ 3/8” MPT outlet
- 1/2” bypass
- 160°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model No.</th>
<th>GPM</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-698.0</td>
<td>462909</td>
<td>22650</td>
<td>3.0</td>
<td>0-3000</td>
</tr>
<tr>
<td>8.712-701.0</td>
<td>462913</td>
<td>22654</td>
<td>3.5</td>
<td>3000-4000</td>
</tr>
<tr>
<td>8.712-702.0</td>
<td>462914</td>
<td>22655</td>
<td>4.5</td>
<td>0-3000</td>
</tr>
<tr>
<td>8.712-703.0</td>
<td>462915</td>
<td>22656</td>
<td>4.5</td>
<td>0-3000</td>
</tr>
<tr>
<td>8.722-204.0</td>
<td>G022666</td>
<td>Seal Kit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MG4000 with Microswitch

- Can be used as (NO) Normally Open or (NC) Normally Closed
- Use for time delay shut down or as burner control
- Up to 4500 PSI
- Panel mountable
- 15 Amp microswitch

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-717.0</td>
<td>463109K</td>
<td>1500 PSI</td>
<td>Yellow</td>
</tr>
<tr>
<td>8.712-720.0</td>
<td>463111K</td>
<td>3000 PSI</td>
<td>Red</td>
</tr>
<tr>
<td>8.712-714.0</td>
<td>463105K</td>
<td>3600 PSI</td>
<td>Blue</td>
</tr>
<tr>
<td>8.712-727.0</td>
<td>463115K</td>
<td>4500 PSI</td>
<td>Black</td>
</tr>
</tbody>
</table>
UNLOADERS

AR Bolt On Unloaders

Mini-Matic Models.

- Fits XT and XM series pumps
- 2600 PSI rated pressure
- 1-2" F inlet
- 3/8" M Outlet

Gymatic Unloaders

- RK & XM series pumps
- 3650 PSI rated pressure
- 3-5.5 GPM
- 3/8" M Outlet

VS200 / 180 High Volume Regulator

- 53.5 GPM
- 2600 PSI
- 194°F
- 3/4" FPT inlet
- 1/2" FPT bypass
- 29.4 oz weight

Part No. | Original No. | Description
--- | --- | ---
8.712-753.0 | 463705 | VS 200/180
8.704-582.0 | 111520 | Repair Kit

VS350 Regulator / Relief Valve

- Rated pressure: 5100 PSI
- 5600 PSI
- 6.5 GPM
- 195°F
- 3/8" FPT inlet, outlet & bypass
- 16.8 oz weight

Part No. | Original No. | Description
--- | --- | ---
8.712-756.0 | 463720 | VS 350
8.704-611.0 | 111832 | Repair Kit

VS 500 High Pressure Regulator / Relief Valve

- Rated pressure: 7250 PSI
- 8100 PSI
- 21 GPM
- 195°F
- Forged bronze body
- 1/2" FPT inlet & bypass
- 14.2 oz weight

Part No. | Original No. | Description
--- | --- | ---
8.712-757.0 | 463725 | VS 500

VS 220 Regulator / Relief Valve

6.3 GPM – 3600 PSI max pressure.

- Max PSI: 4000
- Inlet: 1/2" M
- Bypass: Brass

Part No. | Original No. | Description
--- | --- | ---
8.712-583.0 | 462255 | AR21669

- Max PSI: 4000
- Inlet: 1/2" F
- Outlet: 3/8" M
- Bypass: Brass

Part No. | Original No. | Description
--- | --- | ---
8.720-903.0 | AR20992 | AR20992G

NOTE: AR has discontinued the Combiset unloaders. Use Mini-Mate unloaders as replacements. For 22mm twist coupler outlet models add SprayMart part no. 331307 (3/8" x 22mm) to injector outlet.
UNLOADERS & INJECTORS

Safety Pressure Relief Valves
Engineered and built by Interpump. Premium quality valves for all pressure systems.

- Adjustable pop-off protection
- Machined brass bodies
- Stainless steel plunger & seat
- 165°F
- 3/8" MPT connect x 1/4" MPT

Part No. | Original No. | Description
--- | --- | ---
8.711-215.0 | 390103 | S – R Valve
8.711-227.0 | 390123 | S – 3 Valve

Timax Pressure Regulator Valve

- Max flow 52 GPM
- Max pressure 1000 PSI
- Lever control manual dump for bypass to relieve line pressure

Part No. | Original No. | Description
--- | --- | ---
8.712-624.0 | 462580 | Timax Reg Valve
8.702-844.0 | 103051B | Repair Kit

Amerimax Injector
The Higher Rate Injector. Our Best Seller!

- Brass housing
- Stainless steel orifice
- Fully adjustable metering valve
- Stainless steel spring
- 3500 PSI
- 3/8" MPT inlet/outlet
- 1/4" hose barb

Part No. | Original No. | Description
--- | --- | ---
8.904-192.0 | 360130 | “0”, 1-2 GPM
8.904-193.0 | 360131 | “1”, 2-3 GPM
9.803-998.0 | 360132 | “2”, 3-5 GPM
8.904-194.0 | 360133 | “3”, 5-8 GPM
8.900-040.0 | 075122X | Repair Kit (SS check ball)

Regulating Relief Valve
Economical replacement for paraplate BR5 Series.

- 7 GPM
- Pressure adjusts 200-2000 PSI
- 200°F
- 3/8" FPT Inlet, outlet & bypass

Part No. | Original No. | Description
--- | --- | ---
8.712-625.0 | 462585 | Relief Valve
8.900-042.0 | 075127 | Repair Kit

Unloader Mounting Block
End vibration-caused fitting failure.

- 12 GPM
- Mounting hardware included
- Machine block brass

Part No. | Original No. | Description | PSI
--- | --- | --- | ---
8.904-568.0 | 462183X | 3/8" x 3/8" | 5500
8.904-567.0 | 462182X | 1/2" x 1/2" | 5500

Quick-Coupled Amerimax
Assembled for Added Convenience - “Quick” couples to unloader outlet and “Quick” couples hose to injector outlet.

- Top-Quality quick-couplers: 3/8” plug inlet, 3/8” socket outlet
- 6” Industrial grade poly-braid reinforced tubing (will not collapse, resists crimping, high chemical tolerance)
- Heavy-duty brass chemical filter with check valve prevents loss of prime

Part No. | Original No. | Description
--- | --- | ---
8.904-195.0 | 360135X | Quick Coupled “0”, 1–2 GPM
8.904-196.0 | 360136X | Quick Coupled “1”, 2–3 GPM
8.904-197.0 | 360137X | Quick Coupled “2”, 3–5 GPM
8.904-199.0 | 360138X | Quick Coupled “3”, 5–8 GPM
8.900-040.0 | 075122X | Repair Kit (SS check ball)

Amerimax Acid “QC”

Part No. | Original No. | Description
--- | --- | ---
8.904-205.0 | 360145X | Quick Coupled “0A”, 1-2 GPM
8.904-206.0 | 360146X | Quick Coupled “1A”, 2-3 GPM
8.904-207.0 | 360147X | Quick Coupled “2A”, 3-5 GPM
8.904-208.0 | 360148X | Quick Coupled “3A”, 5-8 GPM
8.900-041.0 | 075123X | Acid Repair Kit*

* (Ceramic check ball)
ST-64 Up Stream Injector

Apply soap at high pressure. Restricts waterflow to create suction.

- 140 PSI
- 160°F
- 3/4" FGH inlet
- 3/4" MGH outlet
- Chemical Strainer and 4" PVC Tubing included!
- Adjustable with ST-61 Meter Valve
- Locking waterflow adjustment

Robokim Chemical Injectors

- Forged brass body
- Stainless steel orifice
- Stainless steel inlet check valve components
- 3500 PSI
- 180°F
- 3/8" MPT inlet/outlet
- 1/4" hose barb

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model No., GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-497.0</td>
<td>360200</td>
<td>“0”, 2.1-2.9</td>
</tr>
<tr>
<td>8.710-498.0</td>
<td>360201</td>
<td>“1”, 3.0-4.0</td>
</tr>
<tr>
<td>8.710-499.0</td>
<td>360202</td>
<td>“2”, 4.0-5.5</td>
</tr>
<tr>
<td>8.710-500.0</td>
<td>360203</td>
<td>“3”, 5.5-10.8</td>
</tr>
</tbody>
</table>

Robokim Quick-Coupled Chemical Injectors

- Quick-Couplers: 3/8" QC plug inlet, 3/8" QC socket outlet
- 6" Industrial grade poly-braid reinforced tubing
- AP brass chemical filter w/ stainless steel check valve

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model No., GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.904-213.0</td>
<td>360220</td>
<td>“0”, 2.1-2.9</td>
</tr>
<tr>
<td>8.904-214.0</td>
<td>360221</td>
<td>“1”, 3.0-4.0</td>
</tr>
<tr>
<td>8.904-215.0</td>
<td>360222</td>
<td>“2”, 4.0-5.5</td>
</tr>
<tr>
<td>8.904-216.0</td>
<td>360223</td>
<td>“3”, 5.5-10.8</td>
</tr>
</tbody>
</table>

Robokim Quick-Coupled Chemical Injectors

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Model No., GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.900-481.0</td>
<td>103053X</td>
<td>Repair Kit</td>
</tr>
<tr>
<td>8.900-061.0</td>
<td>077010X</td>
<td>Acid Kit</td>
</tr>
</tbody>
</table>

ST-62 Variable Chemical Injector

Flow Orifice Adjusts for Machines from 2-8 GPM. Requires ST-61 (below) to regulate Chemical Injection Rate.

- Forged brass body
- 8 GPM
- 3500 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-485.0</td>
<td>360162</td>
<td>ST-62</td>
</tr>
<tr>
<td>8.701-648.0</td>
<td>088424</td>
<td>Repair Kit <em>F</em></td>
</tr>
</tbody>
</table>

ST-61 Chemical Metering Valve

- Snap-on attachment to ST-60, ST-62, ST-261/I (usage limited to these injectors)
- Adjusts from "Off to Full" flow
- Glass-filled polyamide body & valve parts
- 1/4" hose barb
- Teflon® seals

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-777.0</td>
<td>371161</td>
<td>ST-61</td>
</tr>
</tbody>
</table>

ST-60 Chemical Injector

Requires ST-61 (above) to regulate chemical injection rate.

- Forged brass body
- Compact size
- Inlet 3/8" MPT
- Outlet 3/8" FPT

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Orig. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-476.0</td>
<td>360120</td>
<td>1.50 – 2.25, ST-60/0</td>
</tr>
<tr>
<td>8.710-477.0</td>
<td>360121</td>
<td>2.25 – 3.35, ST-60/1</td>
</tr>
<tr>
<td>8.710-478.0</td>
<td>360122</td>
<td>3.35 – 5.00, ST-60/2</td>
</tr>
<tr>
<td>8.701-648.0</td>
<td>088424</td>
<td>Repair Kit <em>F</em></td>
</tr>
</tbody>
</table>

Hi-Lo Injector

May be used on high side or low side of pump. Adjustable flow orifices plus adjustable chemical valves. Standard features similar to ST-62.

- Performance Range
  Low side: .5-3.5 GPM @ 10-120 PSI
  High side: 2.0 - 8.0 GPM @ 3500 PSI
- Machined brass body
- 3/8" FPT inlet/outlet

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-486.0</td>
<td>360163</td>
<td>Hi/Lo Injector w/ Meter Valve</td>
</tr>
<tr>
<td>8.710-487.0</td>
<td>360165</td>
<td>w/o Chemical Adjust</td>
</tr>
<tr>
<td>8.700-290.0</td>
<td>075136</td>
<td>Repair Kit</td>
</tr>
<tr>
<td>8.900-044.0</td>
<td>075136X</td>
<td>Seal Kit</td>
</tr>
</tbody>
</table>
400 Series Chemical Injectors

The Injector of choice.

Adjustable Injectors, precise needle metering valve.

<table>
<thead>
<tr>
<th>Orifice Selection</th>
<th>Orifice Dia.</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6mm</td>
<td>1.5-2.7 GPM</td>
<td></td>
</tr>
<tr>
<td>1.8mm</td>
<td>2.0-3.6 GPM</td>
<td></td>
</tr>
<tr>
<td>2.1mm</td>
<td>2.7-4.9 GPM</td>
<td></td>
</tr>
<tr>
<td>2.3mm</td>
<td>3.3-6.0 GPM</td>
<td></td>
</tr>
</tbody>
</table>

Brass Repair Kits

- Stainless Steel
  - 2.3mm
  - 2.1mm
  - 1.8mm
  - 1.6mm

- All metal parts are Stainless Steel.
  - Premier type injector
  - 5650 PSI
  - 3/8” inlet/outlet
  - 195°F

Brass Injectors

- All metal parts are Brass.
  - Premier type injector
  - 3200 PSI
  - 3/8” inlet/outlet
  - 200°F

Exact-A-Flow Pressure Reducer/Injector

“Low side” chemical injector that regulates inlet pressure to maintain consistent chemical ratio.

- Up to 6 GPM
- 1/2” FPT I/O ports
- 1/4” hose barb chemical inlet
- ± 2% injection ratio variation

Adjustable Quick-Connect Injector

- 3500 PSI
- 200°F

Series 505 Stainless Steel

All metal parts are Stainless Steel.

- Premier type injector
- 5650 PSI
- 3/8” inlet/outlet
- 195°F

Part No. Original No. Description GPM
8.710-586.0 360505/1.8 SS Injector 1.8 2.0 – 3.6
8.710-587.0 360505/2.1 SS Injector 2.1 2.7 – 4.9
8.710-588.0 360505/2.3 SS Injector 2.3 3.3 – 6.0
8.704-027.0 109234 Repair Kit

Acid Injectors

- 8.904-221.0 360240A 2-3
- 8.904-222.0 360242A 3-5
- 8.904-223.0 360244A 5-8
- 8.701-187.0 080055 Injector Repair Kit
- 8.900-087.0 080056 Injector Acid Kit

Part No. Original No. Description
8.711-162.0 385127 Weep Seat*
8.711-160.0 385125 Non-Weep
8.711-161.0 385126 With Switch**
8.904-389.0 385128 Hose Barb w/ Viton Check
8.904-390.0 385129 Hose Barb w/ Buna Check

*Weep Seat allows pump to self-prime
**With burner control switch automatically turns burner off when water flow stops
INJECTORS

Adjustable Bronze Float Valves

- Cast bronze body
- Live rubber stopper
- Adjustable float arm
- 180°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Stem</th>
<th>GPM @ 40 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-041.0</td>
<td>343300</td>
<td>3/8”</td>
<td>1/4” – 20</td>
</tr>
<tr>
<td>8.710-043.0</td>
<td>343302</td>
<td>1/2”</td>
<td>1/4” – 20</td>
</tr>
<tr>
<td>8.710-044.0</td>
<td>343304</td>
<td>3/4”</td>
<td>1/4” – 20</td>
</tr>
<tr>
<td>8.710-045.0</td>
<td>343306</td>
<td>1”</td>
<td>1/4” – 20</td>
</tr>
</tbody>
</table>

NOTE: Float valves above require stem & float, below

Repair Parts for Adjustable Valves

- 8.700-475.0 076406 Long Arm*
- 8.700-476.0 076407 Short Arm*
- 8.700-477.0 076408 Thumb Screw*
- 8.700-479.0 076418 3/8” & 1/2” Plunger
- 8.700-480.0 076420 3/4” Plunger
- 8.700-481.0 076422 1” Plunger

*Fits 3/8”, 1/2” & 3/4” Valves Only

PA Float Valve

- 140°F
- 3/8” BSP inlet
- Brass body
- Positional/Adjustable arm
- 5 GPM @ 15 PSI
- 7 GPM @ 30 PSI

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-042.0</td>
<td>343301</td>
<td>3/8” Float Valve</td>
</tr>
<tr>
<td>8.704-204.0</td>
<td>110250</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

Brass Float Valve Assembly

COMPLETE: Valve, Stem & Float

- 1/2” FPT inlet
- Brass housing with polyamide cover
- 4.5 GPM
- 175°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-031.0</td>
<td>343010</td>
<td>ST-8</td>
</tr>
<tr>
<td>8.701-558.0</td>
<td>085331</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

MPT Adapter Kit for ST-8*

- 8.700-033.0 | 343012 |

*Double MPT nipple, sealing washer & lock nut

Brass Float, Ball & Stem

- 142 PSI max inlet pressure
- 140°F
- 7.1 GPM @ 28 PSI - 1/2” MPT inlet
- Positive soft Buna/brass shut-off
- Adjustable float ball settings
- Inlet nut and washer seal provided

<table>
<thead>
<tr>
<th>Part No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>8.710-037.0</td>
<td>343050</td>
<td>Valve Complete</td>
</tr>
<tr>
<td>8.704-092.0</td>
<td>109502</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

Diaphragm Float Valve

- Requires only 6.5” x 3” inside tank
- All plastic snap-on float
- Positive shut off diaphragm style
- Inlet screen, tank gasket & nut included
- Rebuildable – repair parts available
- 3/4” MPT inlet
- 142 PSI
- 7.86 GPM @ 28 PSI
- 6.68 GPM @ 14 PSI
- 140°F

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<tr>
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<tbody>
<tr>
<td>8.710-030.0</td>
<td>343007</td>
<td>Float Valve Complete</td>
</tr>
</tbody>
</table>
Your One Stop Shop for Parts

**Valves**

**Hudson Float Valve**
- No external moving parts
- No float ball or arm
- Rated pressure: 5800 PSI
- 6500 PSI
- 195°F
- Female x Female
- 2.0 oz weight
- Stainless steel check valve
- Automatc anti-siphon
- Flow capacity 80% of supply (40 GPM @ 40 PSI)

<table>
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</thead>
<tbody>
<tr>
<td>8.710-035.0</td>
<td>343022</td>
<td>1&quot; Hudson Float Valve, 90°</td>
</tr>
<tr>
<td>8.710-036.0</td>
<td>343026</td>
<td>1&quot; Hudson Float Valve, 150°</td>
</tr>
</tbody>
</table>

**Kerick Float Valve**

Flow rates for 1/2" valve:
- 20 PSI: 7.7 GPM
- 30 PSI: 9.1 GPM
- 40 PSI: 10.5 GPM
- 50 PSI: 11.4 GPM
- 60 PSI: 12.5 GPM

Flow rates for 3/4" valve:
- 30 PSI: 13 GPM
- 60 PSI: 16.5 GPM

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<tr>
<th>Part No.</th>
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<tbody>
<tr>
<td>8.749-328.0</td>
<td>1/2&quot; Float Valve, 25° orifice</td>
</tr>
<tr>
<td>8.749-329.0</td>
<td>3/4&quot; Float Valve, 30° orifice</td>
</tr>
</tbody>
</table>

**Check Valves - Swing Action**

Retain prime on pumps with low lift capability

- Brass body with swing (flapper) action
- Gravity seal – no spring pressure
- 150 PSI
- FPT inlet/outlet

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<tbody>
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<td>8.709-378.0</td>
<td>310862</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>8.709-379.0</td>
<td>310863</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>8.709-380.0</td>
<td>310864</td>
<td>1&quot;</td>
</tr>
<tr>
<td>8.709-381.0</td>
<td>310865</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>8.709-382.0</td>
<td>310866</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>8.709-383.0</td>
<td>310868</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

**Stainless Steel Check Valves**

- Rated pressure: 5800 PSI
- 6500 PSI
- 195°F
- Female x Female
- 2.0 oz weight

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<th>Description</th>
<th>Flow Rate</th>
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<tbody>
<tr>
<td>8.709-361.0</td>
<td>310827</td>
<td>1/4&quot; F x F,</td>
<td>6.1</td>
</tr>
<tr>
<td>8.709-362.0</td>
<td>310828</td>
<td>3/8&quot; F x F,</td>
<td>10.5</td>
</tr>
</tbody>
</table>

**High Pressure Check Valves**

2500 or 3000 PSI ball check.

- Buna seals
- Stainless steel check ball
- Machined brass body
- 1 PSI cracking pressure

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<tbody>
<tr>
<td>8.709-356.0</td>
<td>310814</td>
<td>1/4&quot;, M x F</td>
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<tr>
<td>8.709-357.0</td>
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<td>1/4&quot;, M x M</td>
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<tr>
<td>8.709-358.0</td>
<td>310820</td>
<td>3/8&quot;, F x F</td>
</tr>
<tr>
<td>8.709-359.0</td>
<td>310822</td>
<td>3/4&quot;, F x F</td>
</tr>
</tbody>
</table>

**Check Valves - 1200 PSI**

Allows excellent low-restriction flow in inlet direction and instant positive check action in reverse direction.

- Machined brass body
- Poppet seal
- Cracking pressure 1 PSI

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<tbody>
<tr>
<td>8.709-351.0</td>
<td>310804</td>
<td>1/4&quot;, F x F</td>
</tr>
<tr>
<td>8.709-352.0</td>
<td>310806</td>
<td>3/8&quot;, F x F</td>
</tr>
<tr>
<td>8.709-353.0</td>
<td>310808</td>
<td>1/2&quot;, F x F</td>
</tr>
<tr>
<td>8.709-354.0</td>
<td>310811</td>
<td>3/4&quot;, M x M</td>
</tr>
</tbody>
</table>

**Brass Check Valves - Spring-Loaded**

Holds pump prime without overloading pump suction.

- Machine cast brass bodies, FPT x FPT
- 150 PSI
- 250°F
- Mount horizontal or vertical

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<tbody>
<tr>
<td>8.709-384.0</td>
<td>310872</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>8.709-385.0</td>
<td>310873</td>
<td>3/4&quot;</td>
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<tr>
<td>8.709-386.0</td>
<td>310874</td>
<td>1&quot;</td>
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</table>

**Back Flow Preventor - Check Valve**

Protects water supply from harmful chemical backflow – will not allow "spike" pressure to push chemicals into supply line. Now required by many city and state regulations

- 3/4" female garden hose inlet
- Plastic diaphragm check (with lock screw)
- 3/4" male garden hose outlet
- Machined brass housing

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<td>8.705-039.0</td>
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Flow rates for 1/2" valve:
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- 40 PSI: 10.5 GPM
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**Stainless Steel Check Valves**

- Rated pressure: 5800 PSI
- 6500 PSI
- 195°F
- Female x Female
- 2.0 oz weight

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PVC Check Valve

Holds pump prime without overloading pump suction.

- Designed for harsh chemical applications
- PVC plastic body
- Stainless steel ball check
- Cracking press 1 PSI
- 125 PSI
- 180°F

Stainless Steel Ball Valves - 2000 PSI

- Full flow ports
- Investment cast process
- Two piece 316 Stainless bodies
- Glass-filled Teflon seals
- 180°F @ 2,000 PSI
- 300°F @ 1,000 PSI
- 350°F @ 300 PSI

Forged Brass Ball Valves

- 600 PSI
- 180°F
- Forged brass body
- Full flow ports
- Teflon PTFE seals

Mini Ball Valves

- Forged brass body
- 600 PSI
- 180° handle movement

M x F Part No. F x F Part No. M x M Part No. Size
8.709-208.0 8.709-209.0 – 1/8”
8.709-211.0 8.709-212.0 8.709-213.0 1/4”
8.709-216.0 8.709-217.0 8.709-218.0 3/8”

High Pressure Ball Valves

- Rugged carbon steel construction
- 2-way
- NPT (F x F) threads
- Blow-out proof stems
- Delrin ball seats
- Viton O-rings

Forged Brass Ball Valves

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</tr>
<tr>
<td>8.709-255.0</td>
<td>8.709-256.0</td>
<td>8.709-257.0 1/2”</td>
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<tr>
<td>8.709-261.0</td>
<td>8.709-262.0</td>
<td>8.709-263.0 1”</td>
</tr>
</tbody>
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Stainless Steel High Pressure Ball Valves - 5800 PSI

- 316 Stainless steel body, ball & stem
- Delrin ball seats
- Full Port

Brass Mini Ball Valves

- Compact knob operation
- Brass housing-hex bar
- 220 PSI working pressure
- Designed to fit tight quarters
- Teflon seals
- Only 1-3/4” long

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>8.709-271.0</td>
<td>8.709-270.0</td>
<td>1/4” x 1/4”</td>
</tr>
<tr>
<td>8.709-288.0</td>
<td>8.709-287.0</td>
<td>3/8” x 3/8”</td>
</tr>
<tr>
<td>8.709-289.0</td>
<td>8.709-288.0</td>
<td>1/2” x 1/2”</td>
</tr>
<tr>
<td>8.709-290.0</td>
<td>8.709-289.0</td>
<td>3/4” x 3/4”</td>
</tr>
</tbody>
</table>

Stainless Steel One Piece Ball Valves - 800 PSI

- Standard port
- 316 Stainless steel body
- 300°F @ 800 PSI
- 350°F @ 400 PSI
- Suitable for steam

Brass Mini Ball Valves

- Compact knob operation
- Brass housing-hex bar
- 220 PSI working pressure
- Designed to fit tight quarters
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PVC Check Valve

- Designed for harsh chemical applications
- PVC plastic body
- Stainless steel ball check
- Cracking press 1 PSI
- Choice of connects
- 125 PSI
- 180°F

Stainless Steel Ball Valves - 2000 PSI

- Full flow ports
- Investment cast process
- Two piece 316 Stainless bodies
- Glass-filled Teflon seals
- 180°F @ 2,000 PSI
- 300°F @ 1,000 PSI
- 350°F @ 300 PSI

Forged Brass Ball Valves

- 600 PSI
- 180°F
- Forged brass body
- Full flow ports
- Teflon PTFE seals

Mini Ball Valves

- Forged brass body
- 600 PSI
- 180° handle movement

M x F Part No. F x F Part No. M x M Part No. Size
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- Blow-out proof stems
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Forged Brass Ball Valves

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Stainless Steel High Pressure Ball Valves - 5800 PSI

- 316 Stainless steel body, ball & stem
- Delrin ball seats
- Full Port

Brass Mini Ball Valves

- Compact knob operation
- Brass housing-hex bar
- 220 PSI working pressure
- Designed to fit tight quarters
- Teflon seals
- Only 1-3/4” long

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Stainless Steel One Piece Ball Valves - 800 PSI

- Standard port
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- 300°F @ 800 PSI
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- Suitable for steam

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<td>8.709-272.0</td>
<td>1/2” x 1/2”</td>
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</tbody>
</table>
### PVC Ball Valves

Great for chemical On/Off flow control.

- PVC & nitrile material
- Chemical & impact resistant
- 150 PSI working pressure
- Easy turn w/ Teflon® seals
- Double seal in stem for “no leak”
- Threaded mounting bosses, brass insert on 1-1/4” - 2” sizes

### Polypropylene Ball Valves

Full port reinforced polypropylene.

- 150 PSI working pressure
- Easy turn w/ Teflon® seals
- Double seal in stem for “no leak”
- Threaded mounting bosses, brass insert on 1-1/4” - 2” sizes

### 3-Way Ball Valve

- 400 PSI maximum pressure
- 180°F maximum temperature
- Teflon seat
- Buna seals
- Brass

<table>
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<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>8.709-207.0</td>
<td>306331</td>
<td>1/4” M x F x F</td>
</tr>
</tbody>
</table>

### Flow Selector Valve

- 3-way & 4-way lever control with brass body.
- Plumb for 2 inlets & 1 outlet or 1 inlet & 2 outlets
- Plumb for 3 inlets & 1 outlet or 1 inlet & 3 outlets
- 180°F rated temperature

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<tbody>
<tr>
<td>8.710-108.0</td>
<td>343734</td>
<td>1/4” FPT 3-Way</td>
</tr>
<tr>
<td>8.710-110.0</td>
<td>343736</td>
<td>3/8” FPT 3-Way</td>
</tr>
<tr>
<td>8.710-113.0</td>
<td>343744</td>
<td>1/4” FPT 4-Way</td>
</tr>
<tr>
<td>8.710-114.0</td>
<td>343746</td>
<td>3/8” FPT 4-Way</td>
</tr>
</tbody>
</table>

### Flow Control Metering Valve

- Forged brass, nickel-plated body
- Panel mtg in 17/32” hole
- Compact size
- Double stem seal
- 300 PSI
- 175°F rated temperature

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<tr>
<td>8.710-775.0</td>
<td>371125</td>
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<tr>
<td>8.710-776.0</td>
<td>371133</td>
<td>3/8”; FPT In/out</td>
</tr>
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### Flow Control Metering Valve

The Valve that “Seals” (will not suck air).

- 3500 PSI to 28” vacuum – No leak
- Viton gland seal isolates metering threads from solution
- Stainless steel needle/brass seat
- 1/4” FPT ports

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<tbody>
<tr>
<td>8.904-362.0</td>
<td>371120X</td>
<td>Metering Valve / Alum Knob</td>
</tr>
<tr>
<td>8.904-361.0</td>
<td>371120P</td>
<td>Metering Valve / Poly Knob</td>
</tr>
<tr>
<td>8.740-083.0</td>
<td>077003A</td>
<td>Replacement Knob</td>
</tr>
</tbody>
</table>

### Compact PVC Ball Valves

- FPT thread both ends
- 150 PSI working pressure
- Easy turn handle
- 150°F
- EPDM seals - white body

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>FPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.709-233.0</td>
<td>306444</td>
<td>1/4” x 1/4”</td>
</tr>
<tr>
<td>8.709-234.0</td>
<td>306448</td>
<td>1/2” x 1/2”</td>
</tr>
<tr>
<td>8.709-235.0</td>
<td>306450</td>
<td>3/4” x 3/4”</td>
</tr>
<tr>
<td>8.709-236.0</td>
<td>306452</td>
<td>1” x 1”</td>
</tr>
<tr>
<td>8.709-237.0</td>
<td>306454</td>
<td>1-1/4” x 1-1/4”</td>
</tr>
<tr>
<td>8.709-238.0</td>
<td>306456</td>
<td>1-1/2” x 1-1/2”</td>
</tr>
<tr>
<td>8.709-239.0</td>
<td>306460</td>
<td>2” x 2”</td>
</tr>
</tbody>
</table>

### Brass Metering Valve

- Easy grip, fluted plastic handle with pointer
- Brass body, Viton gland seal eliminates air leaks
- Panel mount 11/16” or 3/4” hole
- Extremely compact
- 1/4 inlet/outlet
- 450 PSI
- 170°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-773.0</td>
<td>371115</td>
<td>“T” 1/4 F x F - Forged</td>
</tr>
<tr>
<td>8.710-774.0</td>
<td>371116</td>
<td>“L” 1/4 M x M - Machined</td>
</tr>
</tbody>
</table>
Chemical Metering Valves

- Adjusts from off to full flow
- 4000 PSI
- 1/4" FPT Inlet - Outlet
- 6 GPM
- 2-30151 has presettable limiting orifice

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Orig. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-771.0</td>
<td>727628</td>
<td>ST-66 Chemical Meter &amp; Selection Valve</td>
</tr>
<tr>
<td>9.802-187.0</td>
<td>2-30151</td>
<td>Flow Control w/ Locking Adjustment</td>
</tr>
</tbody>
</table>

ST-66 Chemical Meter & Selection Valve

- Two input bars – for different chemicals to single outlet barb
- Double metering dial with center OFF
- Single (1/2") hole panel mounting
- Brass & stainless steel materials

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Orig. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-770.0</td>
<td>371100</td>
<td>MV-100</td>
</tr>
<tr>
<td>8.710-779.0</td>
<td>371166</td>
<td>ST-66</td>
</tr>
</tbody>
</table>

Chemical Metering / On-Off Valve

- Dual knob control – Calibrate chemical flow w/base knob. Outside knob allows on/off control without changing calibration
- Single (1/2") hole panel mounting
- Brass & stainless steel materials

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Orig. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-770.0</td>
<td>371100</td>
<td>MV-100</td>
</tr>
<tr>
<td>8.710-779.0</td>
<td>371166</td>
<td>ST-66</td>
</tr>
</tbody>
</table>

Compact Thermal Relief Valves

- 145°F “Trip” temperature

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Orig. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.802-181.0</td>
<td>921421</td>
<td>Flow Control w/ Locking Adjustment</td>
</tr>
</tbody>
</table>

Thermal Relief Valves

- A MUST for any pump that might ever be left in bypass mode (unloading) for more than 15 seconds! Protects the pump from overheating caused by recirculating water.
- Installs in bypass line
- Automotive style wax element
- Automatically resets at cool down to 115°F +
- No adjustment required
- 1/8" FPT side discharge
- 125 PSI inlet pressure
- 2.5 GPM flow

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Inlet Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-566.0</td>
<td>458000</td>
<td>1/4&quot; MPT 140°F</td>
</tr>
<tr>
<td>8.710-565.0</td>
<td>458001</td>
<td>3/8&quot; MPT 140°F</td>
</tr>
<tr>
<td>8.710-566.0</td>
<td>458005</td>
<td>1/2&quot; MPT 140°F</td>
</tr>
<tr>
<td>8.723-943.0</td>
<td>458007</td>
<td>1/2&quot; MPT 165°F</td>
</tr>
</tbody>
</table>

Compact Thermal Relief Valves

- Low Profile!
- Brass body
- Plastic covered barb
- 7mm Hose barb
- 145 PSI
- Opens at 145°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Inlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-544.0</td>
<td>458024</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>8.712-545.0</td>
<td>458026</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>9.802-182.0</td>
<td>458028</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

TRV Thermal Relief Valves

Flow Meters

- Flow scale measures gallons per hour (GPH)
- 100 PSI
- 150°F
- 1/8" FPT inlet & outlet port
- Wetted parts are brass or stainless steel, with or without metering valves
- Accurate within ±5%
- Precision cut and machined clear acrylic
- Metal mounting inserts for ease of installation (10-32 threads)
- Compact size – 2" tall scale, 4-3/32" overall height

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>GPH</th>
<th>Metal</th>
<th>Metering Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-097.0</td>
<td>343722</td>
<td>.6 – 5</td>
<td>Brass</td>
<td>no</td>
</tr>
<tr>
<td>8.710-098.0</td>
<td>343723</td>
<td>.6 – 5</td>
<td>Brass</td>
<td>yes</td>
</tr>
<tr>
<td>8.710-101.0</td>
<td>343726</td>
<td>2 – 10</td>
<td>Brass</td>
<td>no</td>
</tr>
<tr>
<td>8.710-102.0</td>
<td>343727</td>
<td>2 – 10</td>
<td>Brass</td>
<td>yes</td>
</tr>
<tr>
<td>8.710-099.0</td>
<td>343724</td>
<td>.6 – 5</td>
<td>SS</td>
<td>no</td>
</tr>
<tr>
<td>8.710-100.0</td>
<td>343725</td>
<td>.6 – 5</td>
<td>SS</td>
<td>yes</td>
</tr>
<tr>
<td>8.710-104.0</td>
<td>343728</td>
<td>2 – 10</td>
<td>SS</td>
<td>no</td>
</tr>
<tr>
<td>8.710-105.0</td>
<td>343729</td>
<td>2 – 10</td>
<td>SS</td>
<td>yes</td>
</tr>
</tbody>
</table>

NOTE: All flow measurements must be on Low Pressure side of pump.
Rupture Disks

- Prevents dangerous thermal expansion of water in the coil
- Ensures operator safety

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.802-192.0</td>
<td>2-3409</td>
<td>Assembly, 7000 PSI</td>
</tr>
<tr>
<td>8.707-381.0</td>
<td></td>
<td>Assembly, 8500 PSI</td>
</tr>
</tbody>
</table>

Safety Pressure Relief Valves

- Prevents pressure overloads, protecting people and equipment
- Machined brass
- Automatically resets

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Max PSI</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.722-192.0</td>
<td>G022550A</td>
<td>1200 (Silver Spring)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>8.722-193.0</td>
<td>G022560A</td>
<td>2400 (Red Spring)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>8.722-194.0</td>
<td>G022565A</td>
<td>3600 (Orange Spring)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>8.722-190.0</td>
<td>G022532A</td>
<td>3600 (Orange Spring)</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>9.802-191.0</td>
<td>G022533A</td>
<td>5000 (Blue Spring)</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

Air Valve - Coil Blow Out

Install inline in front of coil and use air pressure to blow water out of coil to prevent "Freeze Up."

- Threaded connection
- 1/8" model is stainless steel
- 1/4" brass valve
- Valve cap included

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.705-047.0</td>
<td>140073</td>
<td>1/8&quot; Stainless Steel Connect</td>
</tr>
<tr>
<td>8.705-048.0</td>
<td>140075</td>
<td>1/4&quot; Connect</td>
</tr>
<tr>
<td>8.902-426.0</td>
<td></td>
<td>Valve Assy, Water Blow-Out</td>
</tr>
<tr>
<td>8.707-314.0</td>
<td></td>
<td>Valve Assy, Water Tank Blow-Out</td>
</tr>
</tbody>
</table>

Easy Start Valve

- 3/8" MPT inlet
- 1/8" FPT outlet
- Machined brass housing
- Hose barb outlet
- Stainless steel internal
- 80°F
- 8 GPM

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.709-865.0</td>
<td>339004</td>
<td>Easy Start Valve, 4100 PSI</td>
</tr>
<tr>
<td>8.709-866.0</td>
<td>339005</td>
<td>Easy Start Valve, 3500 PSI</td>
</tr>
<tr>
<td>8.751-265.0</td>
<td></td>
<td>Valve, 5/16&quot; HB Outlet, 5000 PSI</td>
</tr>
<tr>
<td>9.802-137.0</td>
<td>140352</td>
<td>Hose Barb, 1/8&quot; x 1/4&quot; Barb</td>
</tr>
</tbody>
</table>

Easy Start Valve

- 3/8" MPT inlet
- Hose barb outlet (8 mm)
- Machined brass body
- Stainless steel spring & ball
- 3200 PSI
- 176°F
- 7.8 GPM

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.709-867.0</td>
<td>339006</td>
<td>Easy Start Valve</td>
</tr>
</tbody>
</table>

Steel Utility Gauges

Dry Gauges!

- Black lacquered steel case
- Bronze bourdon tube
- Dry gauge
- 1/4" NPT brass mounting stem
- Accuracy ± 3-2-3%

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-307.0</td>
<td>348552</td>
<td>0-60 PSI</td>
</tr>
<tr>
<td>8.710-308.0</td>
<td>348554</td>
<td>0-100 PSI</td>
</tr>
<tr>
<td>8.710-309.0</td>
<td>348558</td>
<td>0-200 PSI</td>
</tr>
<tr>
<td>8.710-310.0</td>
<td>348560</td>
<td>0-300 PSI</td>
</tr>
</tbody>
</table>

Fuel Oil Pressure Gauge

- 0-200 PSI
- Perfect for testing burner pump fuel pressure

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.700-738.0</td>
<td>079020</td>
<td>0 - 200 PSI</td>
</tr>
</tbody>
</table>

Corrosion-Resistant ABS Gauge

- Acid & alkali proof plastic case
- Bronze bourdon tube
- 1/4" NPT brass mounting stem
- Accuracy Dry: ±3-2-3%
- Filled: ±1.5%

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-291.0</td>
<td>348305</td>
<td>0-100 PSI</td>
</tr>
<tr>
<td>8.710-293.0</td>
<td>348307</td>
<td>0-200 PSI</td>
</tr>
<tr>
<td>8.710-294.0</td>
<td>348308</td>
<td>0-300 PSI</td>
</tr>
<tr>
<td>8.710-295.0</td>
<td>348312</td>
<td>0-1000 PSI</td>
</tr>
<tr>
<td>8.710-296.0</td>
<td>348313</td>
<td>0-2000 PSI</td>
</tr>
<tr>
<td>8.710-297.0</td>
<td>348314</td>
<td>0-3000 PSI</td>
</tr>
<tr>
<td>8.710-299.0</td>
<td>348316</td>
<td>0-5000 PSI</td>
</tr>
</tbody>
</table>

Pressure Gauge Kit

- 5000 PSI Cold Water
- 1-3/4" gauge
- 3/8" QC Socket
- 3/8" QC plug

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.712-208.0</td>
<td>Pressure Gauge Kit</td>
</tr>
</tbody>
</table>
Stainless Steel Pressure Gauges

- AISI 304 stainless steel case
- Bronze bourdon tube
- 99.5% pure glycerin filled
- PSI & Bar dual scale
- 1/4" NPT brass mounting stem
- Convex magnifying lens for easy reading
- Steel needle & peg
- Accuracy ± 1.5%

AMP Meters

- Designed for OEM or replacement
- Utilize as constant monitor or as test instruments
- Accuracy to ± 5%
- Rugged & weather-resistant
- Bright stainless bezel
- Metal case
- Fits 2-1/16" mounting hole

Temperature Gauges

- 3" diameter dial – stainless steel case
- Shatter-resistant polycarbonate lens
- Stainless steel stem (2.5")
- 1/2" MPT connector
- Accuracy to within 3% of dial range (ie. 50 - 500 = ± 6.8°F)

Pressure & Temperature Test Set

Convenient test set provides both pressure and temperature check with one easy quick coupled connection at outlet of unloader or coil.

- Test Set 5000
  500°F Thermometer
  5000 PSI pressure gauge for systems up to 2000 PSI
- Test Set 10,000
  10,000 PSI pressure gauge for systems up to 5000 PSI

Speedmaster Throttle Control

Stop overworking the engine and pump during bypass. Decelerator reduces engine speed when pump head pressure drops below 215 PSI, reduces flow during bypass, slows recirculation heat buildup.

- 3500 PSI
- 300°F
- A major system saver for gas engine units
- Machined brass body
- Stainless steel gland components
- 1/4" Male Connect
- Viton seals
- 42" lined and covered control cable
- Engine speeds infinitely adjustable for “Fine Tuned” system performance

Pressure Gauges

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-270.0</td>
<td>348216</td>
<td>0-100 PSI</td>
</tr>
<tr>
<td>8.710-272.0</td>
<td>348220</td>
<td>0-200 PSI</td>
</tr>
<tr>
<td>8.710-273.0</td>
<td>348224</td>
<td>0-300 PSI</td>
</tr>
<tr>
<td>8.710-276.0</td>
<td>348230</td>
<td>0-500 PSI</td>
</tr>
<tr>
<td>8.710-278.0</td>
<td>348240</td>
<td>0-1000 PSI</td>
</tr>
<tr>
<td>8.710-280.0</td>
<td>348245</td>
<td>0-2000 PSI</td>
</tr>
<tr>
<td>8.710-281.0</td>
<td>348250</td>
<td>0-3000 PSI</td>
</tr>
<tr>
<td>8.710-283.0</td>
<td>348255</td>
<td>0-4000 PSI</td>
</tr>
<tr>
<td>9.804-017.0</td>
<td>348260</td>
<td>0-5000 PSI</td>
</tr>
<tr>
<td>8.710-286.0</td>
<td>348262</td>
<td>0-6000 PSI</td>
</tr>
<tr>
<td>9.804-001.0</td>
<td>348265</td>
<td>0-10,000 PSI</td>
</tr>
</tbody>
</table>

Mounting Hardware for Back Mount Gauges

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Original No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.710-246.0</td>
<td>348125</td>
<td>30Hg - 0 Vacuum</td>
</tr>
<tr>
<td>8.710-250.0</td>
<td>348140</td>
<td>0-100 PSI</td>
</tr>
<tr>
<td>8.710-254.0</td>
<td>348150</td>
<td>0-500 PSI</td>
</tr>
<tr>
<td>8.710-256.0</td>
<td>348152</td>
<td>0-1000 PSI</td>
</tr>
<tr>
<td>8.710-257.0</td>
<td>348154</td>
<td>0-2000 PSI</td>
</tr>
<tr>
<td>8.710-258.0</td>
<td>348156</td>
<td>0-3000 PSI</td>
</tr>
<tr>
<td>8.710-259.0</td>
<td>348158</td>
<td>0-4000 PSI</td>
</tr>
<tr>
<td>9.803-996.0</td>
<td>348160</td>
<td>0-5000 PSI</td>
</tr>
<tr>
<td>8.710-262.0</td>
<td>348162</td>
<td>0-6000 PSI</td>
</tr>
<tr>
<td>9.804-013.0</td>
<td>348165</td>
<td>0-10,000 PSI</td>
</tr>
</tbody>
</table>

Elapsed time
- No battery required
- Digital quartz accuracy (± .02%)
- Extremely rugged

Hour Meters for Gasoline Engines

- Elapsed time
- No battery required
- Digital quartz accuracy (± .02%)
- Extremely rugged
- Tamperproof
- Sealed from dirt & moisture
- Requires 2" panel cutout

AMP Meters

- Designed for OEM or replacement
- Utilize as constant monitor or as test instruments
- Accuracy to ± 5%

Temperature Gauges

- 3" diameter dial – stainless steel case
- Shatter-resistant polycarbonate lens
- Stainless steel stem (2.5")
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  500°F Thermometer
  5000 PSI pressure gauge for systems up to 2000 PSI
- Test Set 10,000
  10,000 PSI pressure gauge for systems up to 5000 PSI