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All dimensions & pipe sizes are in inches.
Ring compressors from 1/20th to 20 hp with pressure to 135 inches of water.
HP regen blowers from ¾ to 27 hp with pressure to 225 inches of water.
Air knives, coolant pumps, filters, vacuum systems and other accessories.
Elektror Air Systems Authorized national distributor for Elektror blowers, regenerative blowers, low pressure blowers, and turbo blowers.

Global manufacturer of piston, oilless, and rotary screw air compressors for any application, domestic and industrial. Sizes range from .5 to 100 hp.

For more than 60 years, Mattei rotary vane compressors have been used worldwide in nearly every industry and market. Open-frame, OEM, tank-mounted, belt- or direct-drive, and fully-enclosed cabinet units available.

Airend rebuilding and replacements for rotary screw compressors. Experts in fabrication and refurbishing, SCT utilizes proprietary techniques and designs and can fully restore any air end to like new condition. Also, shaft seal and air end rebuild kits. Over 28,000 other compressor parts in stock.
All dimensions & pipe sizes are in inches

Heated and heatless regenerative, refrigerated, blower purge, and custom air dryers.

Low-pressure vessels for propane, air, refrigerant, and industrial applications. Customized D.O.T. and A.S.M.E. products.

**Vacuum Receivers, Vertical Air Receivers** 10-5000 Gallons  
**Horizontal Air Receivers** 1-2560 Gallons

**Epoxy Lined Water Tanks** 140-535 Gallons  
**Horizontal Grasshopper Tank** 120 Gallons  
**Horizontal Gas Driven Tank** 30 Gallons

Highly engineered round copper tube and fin, or brazed bar and plate aluminum heat exchanger components and assemblies.

Syn-Flo has been manufacturing air compressor lubricants for over 40 years. Our lubricants are OEM-quality fluids that can replace more expensive manufacturers’ fluids at lesser cost. We offer PAO-based fluids as well as PAG, diesters, semi-synthetics, and food grade oil.
ASME SOFT SEAT SAFETY RELIEF VALVES

For small compressor systems and related applications. High flow capacities in a compact size (see chart, p. 50). A resilient seal insures valve is bubble tight to within 10% of set pressure. All brass construction. Stamped with “UV” and “NB” symbols. Hex size: 11/16. Weight: 1.6 oz. Max. temp: 250°F.

**ST25 series**: Zinc-plated music wire spring. Set pressure range: 25 - 350 psig, tolerance: ±3%. Overall length: 1.99

**SRV250 series**: Stainless steel spring. Set pressure range: 25 - 450 psig, tolerance: ±2 psig @ ≤ 70 psig, ±3% @ > 70 psig. Overall length: 1.75

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST2512-*</td>
<td>SRV250-1/8-*</td>
<td>1/8</td>
<td>8.15</td>
<td>4.40</td>
<td>3.83</td>
</tr>
<tr>
<td>ST25-*</td>
<td>SRV250-1/4-*</td>
<td>1/4</td>
<td>8.15</td>
<td>4.40</td>
<td>3.83</td>
</tr>
<tr>
<td>ST2533-*</td>
<td>SRV250-3/8-*</td>
<td>3/8</td>
<td>8.15</td>
<td>4.40</td>
<td>3.83</td>
</tr>
</tbody>
</table>

* To order, please specify thread and set pressure (ex. SRV250-1/4-150 = 1/4” NPT safety valve set @ 150 psig). BSPT sizes also available.

For systems requiring standard flow capacities (see chart, p. 50). A resilient seal insures valve is bubble tight to within 10% of set pressure. All brass construction. Stamped with “UV” and “NB” symbols. Hex size: 7/8. Weight: 4.5 oz.

**SF50 series**: Zinc-plated music wire spring. Set pressure range: 50 - 250 psig, tolerance: ±3%. O/A length: 3.36 Max. temp: 250°F.

**SRV390 series**: Stainless steel spring. Set pressure range: 25 - 300 psig, tolerance: ±2 psig @ ≤ 70 psig, ±3% @ > 70 psig. O/A length: 2.69 Max. temp: 400°F.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF50-*</td>
<td>SRV390-*</td>
<td>22.15</td>
<td>11.96</td>
<td>10.41</td>
<td>9.52</td>
</tr>
</tbody>
</table>

* To order, please specify thread and set pressure (ex. SRV390-3/8-150 = 3/8” NPT safety valve set @ 150 psig). BSPT sizes also available.

For greater flow capacities (see chart, p. 50). Unique o-ring seal insures valve is bubble tight to within 10% of set pressure. All brass construction. Stamped with “UV” and “NB” symbols. Height: 3.59 Hex size: 1-1/16

**SB series**: Stainless steel spring. Set pressure range: 25 - 300 psig, tolerance: ±3%. Max. temp: 250°F.

**SRV530 series**: Set pressure range: 25 - 250 psig. Thread sizes from 1/8 to 1 NPT as well as BSPT available.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Thread NPT</th>
<th>Wt (oz)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB50-*</td>
<td>SRV530-12-*</td>
<td>1/2</td>
<td>8.0</td>
<td>62.30</td>
<td>33.64</td>
<td>29.28</td>
<td>26.79</td>
</tr>
<tr>
<td>SB75-*</td>
<td>SRV530-34-*</td>
<td>3/4</td>
<td>9.6</td>
<td>62.30</td>
<td>33.64</td>
<td>29.28</td>
<td>26.79</td>
</tr>
</tbody>
</table>

* To order, please specify thread and set pressure (ex. SRV530-3/8-150 = 3/8” NPT safety valve set @ 150 psig). BSPT sizes also available.
ASME SOFT SEAT SAFETY RELIEF VALVES

All dimensions & pipe sizes are in inches

For large flow capacities (see chart, p. 50). Hex size: 1-5/8 Overall height: 4.49 Stamped with “UV” and “NB” symbols.

**SW series:** Unique O-ring seal insures valve is bubble tight to within 10% of set pressure. All brass construction with stainless steel spring. Set pressure range: 25 - 250 psig; tolerance ± 3%. Max. temp: 250°F.

**SRV765 series:** Set pressure range: 25 - 300 psig. Max. temp: 400°F.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Thread</th>
<th>List price</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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</thead>
<tbody>
<tr>
<td>SW10-*</td>
<td>SRV765-*</td>
<td>1</td>
<td>83.50</td>
<td>45.09</td>
<td>39.25</td>
<td>35.91</td>
</tr>
<tr>
<td>SW12-*</td>
<td>SRV765-114-*</td>
<td>1-1/4</td>
<td>86.40</td>
<td>46.66</td>
<td>40.61</td>
<td>37.15</td>
</tr>
</tbody>
</table>

* To order, please specify set pressure (ex. SRV765-150 = 1” NPT safety valve set @ 150 psig). BSPT sizes also available.

Used where a compact size is required together with high flow capacities (see chart, p. 50). All brass construction with stainless steel spring. Stamped “UV” and “NB”. Set pressures: 75, 125, 135, 150, and 200 psig only. Overall height: 1.50 Hex size: 9/16

**SP series:** Resilient Viton ® rubber pad insures valve is bubble tight to within 10% of set pressure. Set pressure tolerance: ±3% Max. temp: 250°F. Weight: 1.0 oz

**SRV187 series:** Set pressure tolerance: ±2 psig @ ≤ 70 psig, ±3% @ > 70 psig. Max. temp: 400°F.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Thread</th>
<th>List price</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP12-*</td>
<td>SRV187-*</td>
<td>1/8</td>
<td>6.85</td>
<td>3.70</td>
<td>3.22</td>
<td>2.95</td>
</tr>
<tr>
<td>SP25-*</td>
<td>SRV187-14-*</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* To order, please specify set pressure (ex. SRV187-14-150-SST = 1/4” NPT safety valve set @ 150 psig). BSPT sizes also available.

**SCB series:** Side vent valves are designed for large flow capacities (see chart, p. 50). Unique O-ring seal insures valve is bubble tight to within 10% of set pressure. All brass construction with stainless steel springs. Stamped with “UV” and “NB” symbols. Set pressure range: 50 - 300 psig, tolerance ± 3%. Max. temp: 300°F. Weight: 1.5 lbs. Overall height: 4.53

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Thread</th>
<th>Hex size</th>
<th>List price</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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</thead>
<tbody>
<tr>
<td>SCB5075-*</td>
<td>1/2</td>
<td>1-7/16</td>
<td>139.15</td>
<td>75.14</td>
<td>65.40</td>
<td>59.83</td>
</tr>
<tr>
<td>SCB7510-*</td>
<td>3/4</td>
<td>1-3/8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* To order, please specify set pressure (ex. SCB5075-150, safety valve set @ 150 psig).
ASME HARD SEAT SAFETY RELIEF VALVES

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Thread NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA12-*</td>
<td>SRH250-18-*-SST</td>
<td>1/8</td>
<td>12.20</td>
<td>6.59</td>
<td>5.73</td>
<td>5.25</td>
</tr>
<tr>
<td>SA25-*</td>
<td>SRH250-*-SST</td>
<td>1/4</td>
<td>12.25</td>
<td>6.62</td>
<td>5.76</td>
<td>5.27</td>
</tr>
<tr>
<td>SA38-*</td>
<td>SRH25038-*-SST</td>
<td>3/8</td>
<td>16.15</td>
<td>8.72</td>
<td>7.59</td>
<td>6.94</td>
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</tbody>
</table>

* To order, please specify set pressure (ex. SRH250-18-150-SST = 1/8" NPT safety valve set @ 150 psig). BSPT sizes also available.

SA and SRH250 series: Designed for higher temperature applications such as intercoolers and aftercoolers. All brass construction with 17-7PH stainless steel sealing ball on brass seat. Stamped with “UV” and “NB” symbols. Set pressure range: 50 - 350 psig; tolerance ± 3% Max. temp.: 350°F Overall height: 2-1/8 Hex size: 11/16 Weight: 2.5 oz

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>List price</th>
<th>Thread</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN50-*</td>
<td>SRH375-*-SST</td>
<td>24.25</td>
<td>1/2</td>
<td>13.10</td>
<td>11.40</td>
<td>10.43</td>
</tr>
</tbody>
</table>

* To order, please specify set pressure and thread size (ex. SRH375-150-SST = 1/2" NPT safety valve set @ 150 psig). BSPT sizes also available.

All brass construction with stainless steel sealing ball on brass seat. Stamped with “UV” and “NB” symbols. Set pressure range: 50 - 350 psig Hex size: 7/8 Weight: 6.5 oz Overall height: 3.5

SN series: Max. temp: 350°F

SRH375 series: Max. temp: 400°F Set pressure tolerance: ±2 psig @ ≤ 70 psig, ±3% @ > 70 psig.
NON-CODE SAFETY RELIEF VALVES

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Set pressure</th>
<th>List price</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC25-001</td>
<td>CNC25-25-50</td>
<td>25 - 50</td>
<td>9.00</td>
<td>4.86</td>
<td>4.23</td>
<td>3.87</td>
</tr>
<tr>
<td>NC25-002</td>
<td>CNC25-51-100</td>
<td>51 - 100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC25-003</td>
<td>CNC25-101-150</td>
<td>101 - 150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC25-004</td>
<td>CNC25-151-200</td>
<td>151 - 200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC25-Kit</td>
<td>N/A</td>
<td>1 valve &amp; 4 spring asst.</td>
<td>11.15</td>
<td>6.02</td>
<td>5.24</td>
<td>4.79</td>
</tr>
</tbody>
</table>

NC and CNC series: Non-code safety valves are field adjustable. Knurled thumbscrew and jam nut make adjustments easy and repeatable. Valves can be supplied unset, or factory set and locked with jam nut, or factory set and staked (to deter field adjustment). 1/4" NPT inlet. All brass construction with stainless steel spring and silicone rubber seal. Available set pressure range: 25 - 200 psig Max. temp. 250°F Overall height: 1-5/8 Hex size: 9/16 Weight: 1.1 oz

VACUUM RELIEF VALVES

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Max recommended</th>
<th>List price</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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</thead>
<tbody>
<tr>
<td>VR25</td>
<td>N/A</td>
<td>1/4</td>
<td>13.25</td>
<td>7.16</td>
<td>6.23</td>
<td>5.70</td>
</tr>
<tr>
<td>VR38</td>
<td>CVR38</td>
<td>1</td>
<td>17.15</td>
<td>9.26</td>
<td>8.06</td>
<td>7.37</td>
</tr>
<tr>
<td>VR75</td>
<td>CVR75</td>
<td>3</td>
<td>30.75</td>
<td>16.61</td>
<td>14.45</td>
<td>13.22</td>
</tr>
<tr>
<td>VR10</td>
<td>CVR1</td>
<td>5</td>
<td>128.25</td>
<td>69.26</td>
<td>60.28</td>
<td>55.15</td>
</tr>
</tbody>
</table>

VR Series: Vacuum relief valves are used in systems to maintain a desired vacuum level. Please note that they are proportional relief valves and not "pop"-type safety valves. Not preset at the factory, but easily adjusted with knurled adjustment screw and locked with jam nut. Three sizes are offered: 1/4" NPT (VR25), 3/8" NPT (VR38), and 3/4" NPT (VR75). All brass construction with stainless steel springs. VR25 uses stainless steel ball as poppet; VR38 and VR75 poppets are nylon with nitrile seals. Max. temp.: 250°F Vacuum adjustment range: 0-27 in-Hg
PRESSURE RELIEF VALVES

**PR Series:** Pressure relief valves are used in systems to maintain a desired pressure level. Please note that they are proportional relief valves and not "pop"-type safety valves. Not preset at the factory, but easily field adjusted with knurled adjustment screw and locked with jam nut. All brass construction with stainless steel springs. PR25 uses a stainless steel ball for the poppet; PR38 and PR75 poppets are nylon with nitrile seals. Max. Temp. 250°F.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>NPT</th>
<th>Available cracking pressure range (psig)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR25-020</td>
<td>1/4</td>
<td>0-20</td>
<td>13.50</td>
<td>7.29</td>
<td>6.35</td>
<td>5.81</td>
</tr>
<tr>
<td>PR25-1060</td>
<td>1/4</td>
<td>10-60</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PR25-50125</td>
<td>1/4</td>
<td>50-125</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PR25-100200</td>
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<td>100-200</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PR38-020</td>
<td>3/8</td>
<td>0-20</td>
<td>16.95</td>
<td>9.15</td>
<td>7.97</td>
<td>7.29</td>
</tr>
<tr>
<td>PR75-020</td>
<td>3/4</td>
<td>0-20</td>
<td>25.75</td>
<td>13.91</td>
<td>12.10</td>
<td>11.07</td>
</tr>
</tbody>
</table>

**SUPER-CHEK® IN-TANK CHECK VALVES**

**MALE JIC INLET & MALE PIPE OUTLET THREADS**

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Dim A</th>
<th>Dim B</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5050-1EA</td>
<td>CTF1212-SST</td>
<td>1/2</td>
<td>1/2</td>
<td>2-7/8</td>
<td>1-1/2</td>
<td>14.05</td>
<td>7.59</td>
<td>6.60</td>
<td>6.04</td>
</tr>
</tbody>
</table>

**F series Super-Chek®:** This design has proven over the last 15 years to be the standard for air compressor in-tank check valves. One-piece brass bodies, stainless steel springs, and glass-filled fluoropolymer poppets all add up to long term reliability. Inlet is male JIC flare fitting; outlet is male NPT. The eight discharge holes insure quiet operation. Valves may be disassembled for cleaning or repair, and are 100% tested for backflow leakage performance. Max. pressure: 450 psig Max. temp: 450°F Hex size: 7/8 Weight: 3.5 oz Max flow rate: 20 scfm
SUPER-CHEK® IN-TANK CHECK VALVES

One-piece C360 brass bodies, 302 stainless steel springs, and glass-filled Teflon® poppets all add up to long term reliability. Valves may be disassembled, and are 100% tested for backflow leakage performance. Max. pressure: 500 psi, Max. temp.: 450°F

FEMALE INLET AND MALE OUTLET PIPE THREADS

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Inlet size</th>
<th>Outlet size</th>
<th>Hex size</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Max flow rate (scfm)</th>
<th>Wt (oz)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>CTLB3838</td>
<td>3/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2-5/8</td>
<td>1-5/8</td>
<td>12</td>
<td>2.7</td>
<td>13.45</td>
<td>7.26</td>
<td>6.32</td>
<td>5.78</td>
</tr>
<tr>
<td>P3850T</td>
<td>CTLB3812-SST</td>
<td>3/8</td>
<td>1/2</td>
<td>7/8</td>
<td>2-3/4</td>
<td>1-7/8</td>
<td>20</td>
<td>3.8</td>
<td>13.45</td>
<td>7.26</td>
<td>6.32</td>
<td>5.78</td>
</tr>
<tr>
<td>P5050T</td>
<td>CTLB1212-SST</td>
<td>1/2</td>
<td>1/2</td>
<td>1</td>
<td>3</td>
<td>1-7/8</td>
<td>20</td>
<td>5.5</td>
<td>30.65</td>
<td>16.55</td>
<td>14.41</td>
<td>13.18</td>
</tr>
<tr>
<td>P5075T</td>
<td>CTLB1234-SST</td>
<td>3/4</td>
<td>1-1/8</td>
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COMPRESSION FITTING INLET AND MALE PIPE OUTLET THREADS

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<th>Inlet size</th>
<th>Outlet size</th>
<th>Hex size</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Max flow rate (scfm)</th>
<th>Wt (oz)</th>
<th>List price ($)</th>
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**AUXILIARY UNLOADER (COLD START)**

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<td>CS12</td>
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<td>2.13</td>
</tr>
</tbody>
</table>

**CS12 & CS25 series:** Unloads heads during start-up. Valves bleed air from the compressor head during the first few pump revolutions, thus reducing motor starting torque requirement. These valves are especially helpful on oil-lubed pumps that may be subject to low temperatures and low starting voltages, such as a contractor unit that may sit outside overnight and be connected to a long extension cord. The CS valve is installed into any convenient port upstream of the tank check valve. Typical installations are into a 1/8” NPT port in the check valve (CDI in-tank check valves are available with the CS12 installed as an option), into a port tapped in the head of the pump, or into a “tee” in the discharge line. With the discharge line at zero pressure, the CS valve is open, and as the pump starts, air flows out the CS valve to atmosphere. As pump speed and discharge pressure increase, the valve snaps shut and stays closed until the end of the pump start-up cycle. When unloaded (a pressure switch unloader or similar device is still required), the CS valve re-opens, and is ready for the next start up. Body and piston are brass, with a stainless steel spring and fluorocarbon o-ring.

**LOAD GENIE®
UNLOADING CHECK VALVE**

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Inlet (MPT)</th>
<th>Outlet</th>
<th>Min &amp; Max flow (scfm)</th>
<th>Hex size</th>
<th>List price ($</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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<tbody>
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<td>CA-6</td>
<td>UNCV6</td>
<td>3/8 TUBE</td>
<td>1/4</td>
<td>1 to 6</td>
<td>3/4</td>
<td>22.45</td>
<td>12.12</td>
<td>10.55</td>
<td>9.65</td>
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<tr>
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<td>UNCV12</td>
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<td>3 to 12</td>
<td>3/4</td>
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<td>13.73</td>
<td>11.76</td>
<td>10.85</td>
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<tr>
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<td>UNCV24</td>
<td>3/4 TUBE</td>
<td>1/2</td>
<td>8 to 24</td>
<td>1</td>
<td>40.80</td>
<td>22.03</td>
<td>19.18</td>
<td>17.54</td>
</tr>
<tr>
<td>CA-48</td>
<td>UNCV48</td>
<td>3/4 TUBE</td>
<td>3/4</td>
<td>15 to 48</td>
<td>1-13/16</td>
<td>44.80</td>
<td>24.19</td>
<td>21.06</td>
<td>19.26</td>
</tr>
<tr>
<td>PA-6</td>
<td>UNCVP6</td>
<td>1/4 FPT</td>
<td>1/4</td>
<td>1 to 6</td>
<td>3/4</td>
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<td>12.56</td>
<td>10.93</td>
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<td>1/2</td>
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<td>1-13/16</td>
<td>53.25</td>
<td>28.76</td>
<td>25.03</td>
<td>22.90</td>
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</table>

Unloads heads during start-up. A compressor running in a “start/stop” mode operates more efficiently if the pressure trapped in the compressor head and discharge line is released after each pump-up cycle. This allows for a smoother start and the use of a motor with lower starting torque. The most convenient way to release this trapped pressure is to use the CDI Load Genie® combination check and unloader valve.

The Load Genie® senses air flow when the compressor is running and closes an unloading orifice port. When airflow stops (ex: when the pressure switch turns the motor off), the Load Genie® opens the unloading orifice to release head pressure, and a built-in check valve keeps receiver air from leaking back into the discharge line and compressor head.

Alternative methods rely on external un-loading valves mounted on the pressure switch or compressor. The external un-loading valves are connected with the appropriate tubing and fittings to the compressor discharge line or compressor head. A tank check valve is also required. The system, then, consists of the unloading valve, connecting tubing, appropriate fittings, and the tank check valve. Size the Load Genie® towards the maximum end of the rated flow range. Max. pressure 250 PSI.
CARRY TANK MANIFOLDS

These carry tank manifolds incorporate a tank filler valve into the built-in shut off valve. The filler valve mates to a typical tire chuck for easy tank pressurization. The integral non-code safety valve is factory preset at 150 psi. Also included is a tank pressure gauge port. Solid brass body and components with stainless steel springs, nitrile O-rings, and silicone rubber safety valve seals.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Inlet, male</th>
<th>Outlet, female</th>
<th>Gauge port, female</th>
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<th>Height</th>
<th>Wt (oz)</th>
<th>List price ($)</th>
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<th>100+</th>
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<td>MANIFOLD-5590-150</td>
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<td>1/4 NPT</td>
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AIR COMPRESSOR MANIFOLDS

Features a built-in shut off valve and a non-code safety valve. A pressure switch mount and a tank pressure gauge port allow all control and outlet functions to be connected to the 1/2 NPT tank port. Flow capacity of outlet valve and safety valve make this manifold suitable for compressors of 3 HP and smaller. Relief pressure setting is 150 psi.

<table>
<thead>
<tr>
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<th>Inlet</th>
<th>Outlet</th>
<th>Hex size</th>
<th>Max flow rate (scfm)</th>
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IN-LINE PISTON CHECK

These in-line piston checks offer bubble-tight sealing capabilities at low pressure drops. They can be used as tank check valves for small compressors or as components in pneumatic circuits. Valve bodies and pistons are brass with fluorocarbon o-rings and stainless steel springs. Max. pressure: 250 psi Max. temp. 250°F Available in a variety of inlet/outlet configurations and orifice.
IN-LINE CHECK VALVES

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</table>

These check valves have been specifically designed for installation into air compressor discharge lines. Extra-heavy walled cast brass bodies, glass-filled fluoropolymer poppets, and stainless steel springs resist corrosion and insure long life. Plugged 1/8” NTP unloader port is standard. Max. pressure: 250 psi Max. temp: 450°F

CDI IC in-line check valves were created around the Super-Chek® design. For those compressor applications where an in-tank valve will not fit, an IC valve can conveniently be installed right in the discharge line of the compressor. Brass bodies, glass-filled fluoropolymer poppets, and stainless steel springs insure long life. A plugged 1/8” NTP unloader port is standard. Max. pressure: 450 psi Max. temp: 400°F
VENT UNLOADER AND PILOTED DISCHARGE VALVES

The LGM series is a self-contained unloading valve which can be used wherever a continuous run compressor is required. The compressor may need to run continuously because the air demanded is close to the maximum output of the compressor, or because the compressor is driven by a gasoline or diesel engine. Since these valves are "vent" unloaders, built-in head unloaders are not required on the compressor. They incorporate all components required - pilot valve, vent valve, and check valve. Simply install the valve in the discharge line between the compressor and receiver. Valve cut-in and cut-out pressures are factory set per customer specifications. If no settings are specified, the valve is set at a standard setting of 115 psi cut-out and 95 psi cut-in. Minimum cut-out pressure is 60 psi, and maximum cut-out pressure is 250 psi. Valves are also field adjustable. Options include a 1/8" NPT tapped port for throttle control of a gas engine, a lockout clip for "dual control" applications, a special 1/8" NPT tapped port for a pressure switch unloader valve, a vent port muffler, and a toggle unloading lever for one-hand warm up control.

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n (see table next page)</th>
<th>Inlet &amp; outlet size (FNPT)</th>
<th>Vent outlet size (FNPT)</th>
<th>Max flow rate (scfm)</th>
<th>Wt (lbs)</th>
<th>List price ($)</th>
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For LGM30 & 40 only

Choose one each inlet and outlet style

<table>
<thead>
<tr>
<th>Inlet style</th>
<th>Code</th>
<th>Outlet style</th>
<th>Code</th>
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<tbody>
<tr>
<td>1/2&quot; compression</td>
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<td>1/2 external NPT</td>
<td>01</td>
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<tr>
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<td>04</td>
<td>With Vibra-Seal®</td>
<td>02</td>
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<td>1/2 internal NPT</td>
<td>04</td>
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<td>3/4&quot; compression</td>
<td>07</td>
<td>1/4 internal NPT</td>
<td>14</td>
</tr>
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<td></td>
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<tr>
<td>1/2&quot; inverted flare</td>
<td>09</td>
<td></td>
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</tr>
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<td>1/2&quot; internal BSP</td>
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<td># 8 JIC fitting</td>
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<tr>
<td>1/4&quot; NPT</td>
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</table>
**PILOTED DISCHARGE CHECK VALVES**

**N Series:** These valves combine a pilot valve, discharge valve, and check valve into one unit. They are suitable for use with air compressors running at constant speed by either gas or electric power.

<table>
<thead>
<tr>
<th>NSG models</th>
<th>VALVE</th>
<th>INLET</th>
<th>OUTLET</th>
<th>VALVE</th>
<th>INLET</th>
<th>OUTLET</th>
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<td>NSG-1</td>
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<td>1/2” MNPT</td>
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<td>1/2” MNPT</td>
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<td>1/2” MNPT</td>
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<td>NSG models</td>
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<td></td>
<td>NG models</td>
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<td>NG-4</td>
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<td>1/2” FNPT</td>
<td>NG-14</td>
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<td>1/2” FNPT</td>
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<td>NG-5</td>
<td>1/2” FNPT top</td>
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<td>5/8” inverted flare top</td>
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<td></td>
<td>NG-6</td>
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<td>1/2” MNPT</td>
<td>NG-16</td>
<td>5/8” inverted flare side</td>
<td>1/2” MNPT</td>
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<td>NG-7</td>
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<td>1/2” MNPT</td>
<td>NG-17</td>
<td>3/4” compression tube top</td>
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<td></td>
<td>NG-8</td>
<td>1/2” compression side</td>
<td>1/2” MNPT</td>
<td>NG-18</td>
<td>3/4” compression tube side</td>
<td>1/2” FNPT</td>
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<td></td>
<td>NG-9</td>
<td>5/8” compression tube top</td>
<td>1/2” FNPT</td>
<td>NG-19</td>
<td>3/4” compression tube top</td>
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<td>NG-10</td>
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<td>NG-20</td>
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**Other available NSG & NG fittings:**

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<tr>
<th>Inlets</th>
<th>1/4” FNPT, 1/4” MNPT, 3/8” FNPT, 3/8” MNPT, 5/8 Compression</th>
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</thead>
<tbody>
<tr>
<td>Outlets</td>
<td>3/8” FNPT, 3/8” MNPT, 1/4” FNPT</td>
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</tbody>
</table>

P2 is a 1/4” ported cap used for porting the alternate inlet not in use; P1 cap is 1/8” size

SA sealed adjustment is an epoxy seal put on the pilot adjustment to make it tamper resistant

Super Seal is available on male outlet fittings

The SU3 start unloader is used to ease compressor start-up in cold weather/lowered voltage applications

NS-Series muffler
PILOT VALVES

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Cut in (psi)</th>
<th>Cut out (psi)</th>
<th>Hex size</th>
<th>Height</th>
<th>Wt (oz)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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</thead>
<tbody>
<tr>
<td>P25F-B9</td>
<td>RCT-HU-100-125</td>
<td>100</td>
<td>125</td>
<td>3/4</td>
<td>3.60</td>
<td>8.0</td>
<td>55.10</td>
<td>29.75</td>
<td>25.90</td>
<td>23.69</td>
</tr>
<tr>
<td>P25V-BB9</td>
<td>BG1-M-100-125</td>
<td>100</td>
<td>125</td>
<td>3/4</td>
<td>3.60</td>
<td>8.0</td>
<td>55.10</td>
<td>29.75</td>
<td>25.90</td>
<td>23.69</td>
</tr>
</tbody>
</table>

**P25 series**: Details of construction include a precision-machined, forged brass body, brass adjustment screws, and stainless steel ball and spring. Valve cut-in and cut-out pressures are factory set per customer specifications (if no specifications are given, valve is set at standard setting of 95-115 PSI). Valve is field adjustable and includes a mounting base, tapped with a 3/8-16UNC hole. Female ports are 1/4” NPT inlet and 1/8” NPT outlet. Options include a toggle for one-hand unloading, a lockout thumbscrew for dual control systems, and a 1/4” NPT nipple installed into the inlet port. Max. cut-out pressure: 250 psi. Min. cut-out pressure: 60 psi. Max. temp: 350°F. The P25V venting pilot valve gives you all of the features of the P25 pilot valve plus a vent valve for unloading compressor discharge during compressor cut-out.

**RCT series**: Operating range is 20 - 250 psi. All RCT valves have 1/4” female NPT inlets (from tank) and 1/8” female NPT outlets (to other devices such as a throttle control or discharge valve), as well as a filtering element at the inlet. External pressure and differential adjustments allow for customization within a specific range based on the original factory setting. BG1 models incorporate a hand unloader for manually unloading the compressor and are usually used on gas engine applications. They have a direct/ unported vent and a felt muffler.

THROTTLE CONTROLS

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>Conrader p/n</th>
<th>Length</th>
<th>HP</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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<tbody>
<tr>
<td>TC12-12</td>
<td>TCP-12-SST</td>
<td>12</td>
<td>2-7.5</td>
<td>23.85</td>
<td>12.88</td>
<td>11.21</td>
<td>10.26</td>
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<tr>
<td>TC12-18</td>
<td>TCP-18-SST</td>
<td>18</td>
<td>2-7.5</td>
<td>25.50</td>
<td>13.77</td>
<td>11.99</td>
<td>10.97</td>
</tr>
<tr>
<td>TC12-24</td>
<td>TCP-24-SST</td>
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<td>2-7.5</td>
<td>26.65</td>
<td>14.39</td>
<td>12.53</td>
<td>11.46</td>
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<tr>
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<td>TCP-30-SST</td>
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<td>2-7.5</td>
<td>27.30</td>
<td>14.74</td>
<td>12.83</td>
<td>11.74</td>
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<td>TC12-36</td>
<td>TCP-36-SST</td>
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<td>2-7.5</td>
<td>27.85</td>
<td>15.04</td>
<td>13.09</td>
<td>11.98</td>
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<td>TC12-48</td>
<td>TCP-48-SST</td>
<td>48</td>
<td>2-7.5</td>
<td>34.85</td>
<td>18.87</td>
<td>16.43</td>
<td>15.03</td>
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<tr>
<td>TC12-12HD</td>
<td>TCLP-12-SST</td>
<td>12</td>
<td>8.5-11</td>
<td>34.85</td>
<td>18.87</td>
<td>16.43</td>
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<td>TCLP-18-SST</td>
<td>18</td>
<td>8.5-11</td>
<td>34.85</td>
<td>18.87</td>
<td>16.43</td>
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<td>TCLP-24-SST</td>
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<td>18.87</td>
<td>16.43</td>
<td>15.03</td>
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<td>TCLP-30-SST</td>
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<td>8.5-11</td>
<td>34.85</td>
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<td>TCLP-48-SST</td>
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<td>8.5-11</td>
<td>34.85</td>
<td>18.87</td>
<td>16.43</td>
<td>15.03</td>
</tr>
</tbody>
</table>

**TC12 series**: Throttle controls are used on gas engine-driven compressors to reduce engine speed to idle when a continuous run control (such as an LGM series vent unloader or a model P25 pilot valve) has reached its “cut-out” setting. This saves fuel and reduces engine and compressor wear. The 1/8” NPT inlet of the TC12 is connected to the throttle control port of the vent unloader or connected into a “tee” of the head unloader line of pilot valve installations. The cable end is attached to the throttle linkage on the engine, and the cable housing is anchored using the supplied cable clamps. Max. temp: 250°F. Min. pressure: 60 psi. Max. pressure: 250 psi.

**TCP & TCLP series**: Used in conjunction with a pilot device (RC, B or N-series), the TCP & TCLP series throttle controls control gas engine speed. While the compressor cycles, the throttle control slows down engine speed at unload pressure and speeds it back up at load pressure.
HINGED DUAL-DISC CHECK VALVES

Flexi-Hinge® check valves feature an improved design, high pressure ratings, and superior performance. Valves operate without a spring and will open with 0.10 psi of pressure and seal with 1/2 psi of back pressure.

### Series 502M - MPT ends

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
<th>Outer diameter</th>
<th>Width*</th>
<th>Weight (lbs)</th>
<th>Cv</th>
<th>List price ($)</th>
</tr>
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<tbody>
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<td>1-3/4</td>
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### Series 513 - Victaulic ends

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<th>Outer diameter</th>
<th>Width*</th>
<th>Weight (lbs)</th>
<th>Cv</th>
<th>List price ($)</th>
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<tbody>
<tr>
<td>1</td>
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### Series 514 - Plain ends

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<th>Outer diameter</th>
<th>Width*</th>
<th>Weight (lbs)</th>
<th>Cv</th>
<th>List price ($)</th>
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<tbody>
<tr>
<td>1</td>
<td>5-3/4</td>
<td>1.315</td>
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<td>2-1/16</td>
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### Series 518 - Wafer style

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<tr>
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<th>Length</th>
<th>Max Width</th>
<th>Disc protrusion</th>
<th>Weight (lbs)</th>
<th>Cv</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>1-3/8</td>
<td>4-1/4</td>
<td>1/2</td>
<td>4</td>
<td>160</td>
<td>443.00</td>
</tr>
<tr>
<td>3&quot;</td>
<td>1-7/8</td>
<td>3/4</td>
<td></td>
<td>10</td>
<td>620</td>
<td>544.00</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2-3/8</td>
<td>7-1/2</td>
<td>7/8</td>
<td>12</td>
<td>965</td>
<td>703.00</td>
</tr>
<tr>
<td>5&quot;</td>
<td>2-7/8</td>
<td>9</td>
<td>1-1/4</td>
<td>15</td>
<td>1510</td>
<td>1315.00</td>
</tr>
<tr>
<td>6&quot;</td>
<td>3-3/8</td>
<td>10-1/2</td>
<td>1-1/2</td>
<td>25</td>
<td>3025</td>
<td>1683.00</td>
</tr>
</tbody>
</table>

* Over pivot shaft ends

* At full flow, beyond downstream side of valve

Bolting conforms to ANSI B16.1 and B16.5
ACCESSORIES

PRESSURE CONTROL REGULATOR

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR-25</td>
<td>23.05</td>
<td>12.45</td>
<td>10.83</td>
<td>9.91</td>
</tr>
</tbody>
</table>

The CR25 is an adjustable relief valve. Adjustments are made by dialing in the black plastic knob from 0 to 100 psi in 10 psi increments. Inlet is 1/4 NPT with Vibraseal thread sealant. Weight: 2.4 oz. Max. temp. 250˚F. Max. inlet pressure: 200 psi.

FILLER VALVE

<table>
<thead>
<tr>
<th>CDI p/n</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-12</td>
<td>6.00</td>
<td>3.24</td>
<td>2.82</td>
<td>2.58</td>
</tr>
</tbody>
</table>

Use wherever a method of filling a tank with a standard air chuck is required. Brass valve core with Viton® and Teflon® seals, black plastic cap included. Max. pressure: 250 psi. Max. temp: 250˚F Male 1/8 NPT.

DRAIN COCK

<table>
<thead>
<tr>
<th>Conrader p/n</th>
<th>CDI p/n</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV14-4793</td>
<td>DU25-100</td>
<td>3.45</td>
<td>1.86</td>
<td>1.62</td>
<td>1.48</td>
</tr>
</tbody>
</table>

Designed for applications where a traditional drain cock is easily damaged. Opens easily and closes with minimum effort. Construction: brass body, knurled brass stem, nitrile O-ring ensures a bubble tight seal. Vibra Seal® sealant standard. 1/4" NPT male. Max. pressure: 200 psi. Max. temp: 200˚F.

DRAIN COCK WITH PULL CABLE

<table>
<thead>
<tr>
<th>Conrader p/n</th>
<th>CDI p/n</th>
<th>Length</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDV14-24</td>
<td>DP25-1A-024</td>
<td>24</td>
<td>9.00</td>
<td>4.86</td>
<td>4.23</td>
<td>3.87</td>
</tr>
<tr>
<td>CDV14-60</td>
<td>DP25-1A-060</td>
<td>60</td>
<td>12.20</td>
<td>6.59</td>
<td>5.73</td>
<td>5.25</td>
</tr>
</tbody>
</table>

Brass stem tilts to open the valve at minimum pull. Stainless steel spring returns the stem to positively seal against the nitrile O-ring when cable is released. Construction: brass body, washer and stem. 1/4" NPT male. Vibra Seal® sealant standard. Max. pressure: 200 psi. Max. temp: 200˚F.
# LARGE INDUSTRIAL SAFETY VALVES

## Kunkle 6000 Series

### Side venting

<table>
<thead>
<tr>
<th>Model no.</th>
<th>Inlet size</th>
<th>Outlet size</th>
<th>Price*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6010DC</td>
<td>1/2</td>
<td>3/4</td>
<td>POR</td>
</tr>
<tr>
<td>6010DD</td>
<td>3/4</td>
<td>3/4</td>
<td>POR</td>
</tr>
<tr>
<td>6010ED</td>
<td>3/4</td>
<td>1</td>
<td>POR</td>
</tr>
<tr>
<td>6010EE</td>
<td>1</td>
<td>1</td>
<td>POR</td>
</tr>
<tr>
<td>6010FE</td>
<td>1</td>
<td>1-1/4</td>
<td>POR</td>
</tr>
<tr>
<td>6010FF</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>POR</td>
</tr>
<tr>
<td>6010GF</td>
<td>1-1/4</td>
<td>1-1/2</td>
<td>POR</td>
</tr>
<tr>
<td>6010GG</td>
<td>1-1/2</td>
<td>1-1/2</td>
<td>POR</td>
</tr>
<tr>
<td>6010HG</td>
<td>1-1/2</td>
<td>2</td>
<td>POR</td>
</tr>
<tr>
<td>6010HH</td>
<td>2</td>
<td>2</td>
<td>POR</td>
</tr>
<tr>
<td>6010JJ</td>
<td>2-1/2</td>
<td>2-1/2</td>
<td>POR</td>
</tr>
</tbody>
</table>

- Full nozzle design with bronze/brass trim
- Optional Viton seats available for exceptional leak-free performance, reduced maintenance costs, and multiple cycles with tight shutoff
- Operating pressure range: 3 to 300 psi
- Operating temp. range: -60°F - 406°F (51° to 208° C)
- Available in stock pressure settings of 125, 135, 140, 150, 165, 175, and 200 psi
- Other pressures and settings available upon request

*POR = Price on request, please call for quote.

### Top venting

<table>
<thead>
<tr>
<th>Model no.</th>
<th>Inlet size</th>
<th>Outlet size</th>
<th>Price*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6182DC</td>
<td>1/2</td>
<td>N/A</td>
<td>POR</td>
</tr>
<tr>
<td>6182ED</td>
<td>3/4</td>
<td>N/A</td>
<td>POR</td>
</tr>
<tr>
<td>6182FE</td>
<td>1</td>
<td>N/A</td>
<td>POR</td>
</tr>
<tr>
<td>6182GF</td>
<td>1-1/4</td>
<td>N/A</td>
<td>POR</td>
</tr>
<tr>
<td>6182HG</td>
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<tr>
<td>6182JH</td>
<td>2</td>
<td>N/A</td>
<td>POR</td>
</tr>
</tbody>
</table>

See page 50 for flow chart and orifice sizes.
### BALL VALVES, GATE VALVES, SWING CHECKS, Y-STRAINERS

**FULL PORT BRASS BALL VALVES, UL & CSA APPROVED**

600 psi CWP, 150 psi WSP service, suitable for vacuum service to 29.9” Hg. Temp. range: -40˚F to 365˚F.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTC-25</td>
<td>1/4</td>
<td>10.77</td>
<td>5.82</td>
<td>5.05</td>
</tr>
<tr>
<td>KTC-33</td>
<td>3/8</td>
<td>10.78</td>
<td>5.82</td>
<td>5.07</td>
</tr>
<tr>
<td>KTC-50</td>
<td>1/2</td>
<td>16.85</td>
<td>9.10</td>
<td>7.92</td>
</tr>
<tr>
<td>KTC-75</td>
<td>3/4</td>
<td>23.22</td>
<td>12.54</td>
<td>10.91</td>
</tr>
<tr>
<td>KTC-100</td>
<td>1</td>
<td>43.88</td>
<td>23.70</td>
<td>20.62</td>
</tr>
<tr>
<td>KTC-125</td>
<td>1-1/4</td>
<td>66.78</td>
<td>36.06</td>
<td>31.39</td>
</tr>
<tr>
<td>KTC-150</td>
<td>1-1/2</td>
<td>95.76</td>
<td>51.71</td>
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<td>KTC-200</td>
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<td>83.62</td>
<td>72.78</td>
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<table>
<thead>
<tr>
<th>Part no.</th>
<th>M X F</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>KTCM-33</td>
<td>3/8</td>
<td>24.03</td>
<td>12.98</td>
<td>11.29</td>
</tr>
<tr>
<td>KTCM-50</td>
<td>1/2</td>
<td>42.27</td>
<td>22.83</td>
<td>19.87</td>
</tr>
<tr>
<td>KTCM-75</td>
<td>3/4</td>
<td>60.80</td>
<td>32.83</td>
<td>28.58</td>
</tr>
<tr>
<td>KTCM-100</td>
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<td>88.14</td>
<td>47.60</td>
<td>41.43</td>
</tr>
<tr>
<td>KTCM-125</td>
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<td>154.41</td>
<td>83.38</td>
<td>72.57</td>
</tr>
</tbody>
</table>

**FULL PORT BRASS BALL VALVES**

600 psi CWP, 150 psi WSP service, suitable for vacuum service to 29.9” Hg., Temp. range: 0˚F to 365˚F. MBB-50 available with “T” handle (MBB-50TH).

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
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</thead>
<tbody>
<tr>
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<td>1/4</td>
<td>9.29</td>
<td>5.02</td>
<td>4.37</td>
</tr>
<tr>
<td>FBB-33</td>
<td>3/8</td>
<td>13.25</td>
<td>7.16</td>
<td>6.23</td>
</tr>
<tr>
<td>FBB-50</td>
<td>1/2</td>
<td>19.62</td>
<td>10.59</td>
<td>9.22</td>
</tr>
<tr>
<td>FBB-75</td>
<td>3/4</td>
<td>31.28</td>
<td>16.89</td>
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<tr>
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<td>28.50</td>
<td>24.81</td>
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<td>40.33</td>
<td>35.10</td>
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<tr>
<td>FBB-150</td>
<td>1-1/2</td>
<td>107.19</td>
<td>57.88</td>
<td>50.38</td>
</tr>
<tr>
<td>FBB-200</td>
<td>2</td>
<td>253.48</td>
<td>136.88</td>
<td>119.14</td>
</tr>
<tr>
<td>FBB-250</td>
<td>2-1/2</td>
<td>394.57</td>
<td>213.07</td>
<td>185.45</td>
</tr>
<tr>
<td>FBB-300</td>
<td>3</td>
<td>673.44</td>
<td>363.66</td>
<td>316.52</td>
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</table>

<table>
<thead>
<tr>
<th>Part no.</th>
<th>M X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
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<tbody>
<tr>
<td>MBB-25</td>
<td>1/4</td>
<td>9.78</td>
<td>5.28</td>
<td>4.60</td>
</tr>
<tr>
<td>MBB-33</td>
<td>3/8</td>
<td>14.10</td>
<td>7.61</td>
<td>6.63</td>
</tr>
<tr>
<td>MBB-50</td>
<td>1/2</td>
<td>32.25</td>
<td>17.42</td>
<td>15.16</td>
</tr>
<tr>
<td>MBB-100</td>
<td>1</td>
<td>42.27</td>
<td>22.83</td>
<td>19.87</td>
</tr>
</tbody>
</table>

CWP = COLD WORKING PRESSURE  
WSP = WORKING STEAM PRESSURE
# NICKEL PLATED FULL PORT BRASS BALL VALVES

600 psi CWP, 150 psi WSP service, suitable for vacuum service to 29.9” Hg., Temp range: 0˚F to 365˚F.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F</th>
<th>List price</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPC-25</td>
<td>1/4</td>
<td>10.08</td>
<td>5.44</td>
<td>4.74</td>
</tr>
<tr>
<td>FPC-38</td>
<td>3/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FPC-50</td>
<td>1/2</td>
<td>15.75</td>
<td>8.51</td>
<td>7.40</td>
</tr>
<tr>
<td>FPC-75</td>
<td>3/4</td>
<td>22.62</td>
<td>12.21</td>
<td>10.63</td>
</tr>
<tr>
<td>FPC-100</td>
<td>1</td>
<td>33.33</td>
<td>18.00</td>
<td>15.67</td>
</tr>
<tr>
<td>FPC-125</td>
<td>1-1/4</td>
<td>56.34</td>
<td>30.42</td>
<td>26.48</td>
</tr>
<tr>
<td>FPC-150</td>
<td>1-1/2</td>
<td>78.34</td>
<td>42.30</td>
<td>36.82</td>
</tr>
<tr>
<td>FPC-200</td>
<td>2</td>
<td>112.80</td>
<td>60.91</td>
<td>53.02</td>
</tr>
<tr>
<td>FPC-250</td>
<td>2-1/2</td>
<td>300.69</td>
<td>162.37</td>
<td>141.32</td>
</tr>
<tr>
<td>FPC-300</td>
<td>3</td>
<td>422.58</td>
<td>228.19</td>
<td>198.61</td>
</tr>
<tr>
<td>FPC-400*</td>
<td>4</td>
<td>707.18</td>
<td>381.88</td>
<td>332.37</td>
</tr>
</tbody>
</table>

* FPC-400 is chrome plated.

## NICKEL PLATED FULL PORT BRASS LOCKING BALL VALVES

600 psi CWP, 150 psi WSP service, suitable for vacuum service to 29.9” Hg., Temp range: 0˚F to 365˚F. For use with 9/32" dia lock shackle; not supplied.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>M X F</th>
<th>List price</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPC-25</td>
<td>1/4</td>
<td>10.56</td>
<td>5.70</td>
<td>4.96</td>
</tr>
<tr>
<td>MPC-33</td>
<td>3/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPC-50</td>
<td>1/2</td>
<td>17.19</td>
<td>9.28</td>
<td>8.08</td>
</tr>
<tr>
<td>MPC-75</td>
<td>3/4</td>
<td>24.93</td>
<td>13.46</td>
<td>11.72</td>
</tr>
<tr>
<td>MPC-100</td>
<td>1</td>
<td>34.32</td>
<td>18.53</td>
<td>16.13</td>
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</table>

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBV-25</td>
<td>1/4</td>
<td>12.15</td>
<td>6.56</td>
<td>5.71</td>
</tr>
<tr>
<td>LBV-38</td>
<td>3/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LBV-50</td>
<td>1/2</td>
<td>17.52</td>
<td>9.46</td>
<td>8.23</td>
</tr>
<tr>
<td>LBV-75</td>
<td>3/4</td>
<td>25.44</td>
<td>13.74</td>
<td>11.96</td>
</tr>
<tr>
<td>LBV-100</td>
<td>1</td>
<td>33.72</td>
<td>18.21</td>
<td>15.85</td>
</tr>
<tr>
<td>LBV-120</td>
<td>1-1/4</td>
<td>58.47</td>
<td>31.57</td>
<td>27.48</td>
</tr>
<tr>
<td>LBV-150</td>
<td>1-1/2</td>
<td>78.42</td>
<td>42.35</td>
<td>36.86</td>
</tr>
<tr>
<td>LBV-200</td>
<td>2</td>
<td>115.65</td>
<td>62.45</td>
<td>54.36</td>
</tr>
<tr>
<td>LBV-250</td>
<td>2-1/2</td>
<td>305.58</td>
<td>165.01</td>
<td>143.62</td>
</tr>
<tr>
<td>LBV-300</td>
<td>3</td>
<td>440.10</td>
<td>237.65</td>
<td>206.85</td>
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<tr>
<td>LBV-400</td>
<td>4</td>
<td>704.34</td>
<td>380.34</td>
<td>331.04</td>
</tr>
</tbody>
</table>

CWP = COLD WORKING PRESSURE  WSP = WORKING STEAM PRESSURE

Phone: 727-535-3200  www.penningtonassociates.com  Sales office hours:
Fax: 727-533-9696  email: sales@penningtonassociates.com  8 AM to 5 PM Eastern
# AUTO DRAIN SAFETY EXHAUST BALL VALVES

300 psi (CWP) 150 psi (WSP) service, 1/4” - 1”;
200 psi (CWP) 150 psi (WSP) service, 1-1/4” & up

Temp range: -40°F - 350°F, lockable steel handle w/vinyl grip, use with 9/32” dia lock shackle (not supplied), 10-32 threaded auto drain port for relieving downstream pressure when in the closed position.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F</th>
<th>List</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV-25</td>
<td>1/4</td>
<td>13.62</td>
<td>7.35</td>
<td>6.40</td>
</tr>
<tr>
<td>ADV-33</td>
<td>3/8</td>
<td>18.42</td>
<td>9.95</td>
<td>8.66</td>
</tr>
<tr>
<td>ADV-50</td>
<td>1/2</td>
<td>25.59</td>
<td>13.82</td>
<td>12.03</td>
</tr>
<tr>
<td>ADV-75</td>
<td>3/4</td>
<td>41.70</td>
<td>22.52</td>
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<tr>
<td>ADV-100</td>
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<td>71.70</td>
<td>38.72</td>
<td>33.70</td>
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<td>1-1/4</td>
<td>104.19</td>
<td>56.26</td>
<td>48.97</td>
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<td>ADV-150</td>
<td>1-1/2</td>
<td>167.25</td>
<td>90.32</td>
<td>78.61</td>
</tr>
</tbody>
</table>

CWP = COLD WORKING PRESSURE  
WSP = WORKING STEAM PRESSURE
### STAINLESS STEEL BALL VALVES

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSV-25</td>
<td>1/4</td>
<td>51.60</td>
<td>27.86</td>
<td>24.25</td>
</tr>
<tr>
<td>SSV-33</td>
<td>3/8</td>
<td>57.80</td>
<td>31.24</td>
<td>27.17</td>
</tr>
<tr>
<td>SSV-50</td>
<td>1/2</td>
<td>73.24</td>
<td>39.55</td>
<td>34.42</td>
</tr>
<tr>
<td>SSV-75</td>
<td>3/4</td>
<td>102.00</td>
<td>55.08</td>
<td>47.94</td>
</tr>
<tr>
<td>SSV-100</td>
<td>1</td>
<td>170.66</td>
<td>92.16</td>
<td>80.21</td>
</tr>
<tr>
<td>SSV-120</td>
<td>1-1/4</td>
<td>251.31</td>
<td>135.71</td>
<td>118.12</td>
</tr>
<tr>
<td>SSV-150</td>
<td>1-1/2</td>
<td>371.70</td>
<td>200.72</td>
<td>174.70</td>
</tr>
</tbody>
</table>

2000 psi (CWP) 150 psi (WSP) 1/4"- 1" service; 1500 psi (CWP) 150 psi (WSP) service 1-1/4" - 2", temp. range: -60˚F - 450˚F 2-piece 316 stainless steel construction. Lockable steel handle w/vinyl grip, use with 9/32" dia lock shackle (not supplied).

### MINI NICKEL PLATED BRASS BALL VALVES

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F List price ($)</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBV-12</td>
<td>1/8</td>
<td>12.00</td>
<td>6.48</td>
</tr>
<tr>
<td>CBV-25</td>
<td>1/4</td>
<td>14.50</td>
<td>7.83</td>
</tr>
<tr>
<td>CBV-33</td>
<td>3/8</td>
<td>12.00</td>
<td>6.48</td>
</tr>
<tr>
<td>CBV-50</td>
<td>1/2</td>
<td>14.50</td>
<td>7.83</td>
</tr>
</tbody>
</table>

450 psi (CWP) 150 psi (WSP) service. Temp. range: -20˚F to 370˚F.

**Part no.**

**F X F WITH WEDGE HANDLE**

**M X F WITH WEDGE HANDLE**

**M X F WITH LEVER**

**F X F WITH T-HANDLE**

CWP = COLD WORKING PRESSURE  
WSP = WORKING STEAM PRESSURE
All dimensions & pipe sizes are in inches

### Y-STRAINERS

600 psi (CWP) 150 psi (WSP) service, temp. range: -20°F - 425°F, heavy duty forged brass construction, easy clean plug, screw caps are straight threaded with PTFE gaskets, 304 stainless steel 50 mesh screen for 1/4” - 1” sizes; 20 mesh screen on 1-1/4” - 2” sizes.

![Y-Strainer Image]

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F</th>
<th>List price</th>
<th>1-49</th>
<th>50+</th>
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</thead>
<tbody>
<tr>
<td>YSFB-25</td>
<td>1/4</td>
<td>22.25</td>
<td>12.02</td>
<td>10.46</td>
</tr>
<tr>
<td>YSFB-38</td>
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<td>22.25</td>
<td>12.02</td>
<td>10.46</td>
</tr>
<tr>
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<td>24.50</td>
<td>13.23</td>
<td>11.52</td>
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<tr>
<td>YSFB-75</td>
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<td>37.50</td>
<td>20.25</td>
<td>17.63</td>
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<tr>
<td>YSFB-100</td>
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<td>58.50</td>
<td>31.59</td>
<td>27.50</td>
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<tr>
<td>YSFB-125</td>
<td>1-1/4</td>
<td>88.00</td>
<td>47.52</td>
<td>41.36</td>
</tr>
<tr>
<td>YSFB-150</td>
<td>1-1/2</td>
<td>156.50</td>
<td>84.51</td>
<td>73.56</td>
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<td>YSFB-200</td>
<td>2</td>
<td>242.50</td>
<td>130.95</td>
<td>113.98</td>
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</table>

### GATE VALVES

200 psi (CWP) 125 psi (WSP) service, temp. range: -40°F - 300°F, forged brass construction, body & bonnet are connected with a tight metal to metal leak proof seat, screwed bonnet, non-rising stem, solid wedge disc & integral seats, black round metal handle.

![Gate Valve Image]

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F</th>
<th>List price</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
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<td>23.53</td>
<td>12.71</td>
<td>11.06</td>
</tr>
<tr>
<td>BGV-100</td>
<td>1</td>
<td>32.22</td>
<td>17.40</td>
<td>15.14</td>
</tr>
<tr>
<td>BGV-120</td>
<td>1-1/4</td>
<td>46.97</td>
<td>25.36</td>
<td>22.08</td>
</tr>
<tr>
<td>BGV-150</td>
<td>1-1/2</td>
<td>59.85</td>
<td>32.32</td>
<td>28.13</td>
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<tr>
<td>BGV-200</td>
<td>2</td>
<td>97.81</td>
<td>52.82</td>
<td>45.97</td>
</tr>
<tr>
<td>BGV-250</td>
<td>2-1/2</td>
<td>192.31</td>
<td>103.85</td>
<td>90.39</td>
</tr>
<tr>
<td>BGV-300</td>
<td>3</td>
<td>284.98</td>
<td>153.89</td>
<td>133.94</td>
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<tr>
<td>BGV-400</td>
<td>4</td>
<td>444.53</td>
<td>240.05</td>
<td>208.93</td>
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</table>

### SWING CHECK VALVES

300 psi (CWP) 150 psi (WSP) service, max. operating temp: 200˚F, heavy duty bronze construction, recommended for preventing back flow in commercial and industrial applications.

![Swing Check Valve Image]

<table>
<thead>
<tr>
<th>Part no.</th>
<th>F X F</th>
<th>List price</th>
<th>1-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCY-50</td>
<td>1/2</td>
<td>43.50</td>
<td>23.49</td>
<td>20.45</td>
</tr>
<tr>
<td>SCY-75</td>
<td>3/4</td>
<td>54.25</td>
<td>29.30</td>
<td>25.50</td>
</tr>
<tr>
<td>SCY-100</td>
<td>1</td>
<td>76.85</td>
<td>41.50</td>
<td>36.12</td>
</tr>
<tr>
<td>SCY-120</td>
<td>1-1/4</td>
<td>109.75</td>
<td>59.27</td>
<td>51.58</td>
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<tr>
<td>SCY-150</td>
<td>1-1/2</td>
<td>146.00</td>
<td>78.84</td>
<td>68.62</td>
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<tr>
<td>SCY-200</td>
<td>2</td>
<td>223.15</td>
<td>120.50</td>
<td>104.88</td>
</tr>
</tbody>
</table>

### BALL VALVE STRAINER COMBINATION

600 psi (CWP) 150 psi (WSP) service, temp. range: -4°F - 200°F, solid brass body with stainless steel 50 mesh screen, ideal for connection to an automatic timer drain or can be used alone as a tank drain, unique design allows valve to be closed and screen to be cleaned without loss of air pressure in tank or drain, 1/2 MPT valve inlet is also threaded 1/4 FPT internally for versatility, zinc die cast handle.

![Ball Valve Strainer Combination Image]

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Chrome plated</th>
<th>M X F NPT</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50+</th>
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<tbody>
<tr>
<td>S402</td>
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<td>1/2in - 1/4out</td>
<td>19.20</td>
<td>10.37</td>
<td>9.02</td>
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<tr>
<td>S302</td>
<td>No</td>
<td>1/2in - 1/4out</td>
<td>19.20</td>
<td>10.37</td>
<td>9.02</td>
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<tr>
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<td>Yes</td>
<td>1/2in - 1/2out</td>
<td>19.20</td>
<td>10.37</td>
<td>9.02</td>
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<tr>
<td>S304</td>
<td>No</td>
<td>1/2in - 1/2out</td>
<td>19.20</td>
<td>10.37</td>
<td>9.02</td>
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</tbody>
</table>
AIR INTAKE FILTERS & ELEMENTS

FILTER HOUSINGS WITH CLOTH ELEMENTS AND SILENCING TUBES

<table>
<thead>
<tr>
<th>P&amp;A part no.</th>
<th>NPT</th>
<th>Height</th>
<th>SOLBERG part no.</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>S16C-050</td>
<td>1/2</td>
<td>5</td>
<td>FS-15-050</td>
<td>35.87</td>
<td>19.37</td>
<td>16.86</td>
<td>15.42</td>
</tr>
<tr>
<td>S16C-075</td>
<td>3/4</td>
<td>5</td>
<td>FS-15-075</td>
<td>38.05</td>
<td>20.55</td>
<td>17.88</td>
<td>16.36</td>
</tr>
<tr>
<td>S16C-100</td>
<td>1</td>
<td>5</td>
<td>FS15-100</td>
<td>41.54</td>
<td>22.43</td>
<td>19.52</td>
<td>17.86</td>
</tr>
<tr>
<td>S20CP-100</td>
<td>1</td>
<td>7</td>
<td>FS-19P-100</td>
<td>58.91</td>
<td>31.81</td>
<td>27.69</td>
<td>25.33</td>
</tr>
<tr>
<td>S20CP-125</td>
<td>1-1/4</td>
<td>7</td>
<td>FS-19P-125</td>
<td>61.12</td>
<td>33.00</td>
<td>28.73</td>
<td>26.28</td>
</tr>
<tr>
<td>S20CP-150</td>
<td>1-1/2</td>
<td></td>
<td>FS-19P-150</td>
<td>61.82</td>
<td>33.38</td>
<td>29.06</td>
<td>26.58</td>
</tr>
<tr>
<td>*S20CP-125-10T</td>
<td>1-1/4</td>
<td></td>
<td>FS-19P-125-9T</td>
<td>62.43</td>
<td>33.71</td>
<td>29.34</td>
<td>26.84</td>
</tr>
<tr>
<td>*S20CP-150-10T</td>
<td>1-1/2</td>
<td></td>
<td>FS-19P-150</td>
<td>61.82</td>
<td>33.38</td>
<td>29.06</td>
<td>26.58</td>
</tr>
<tr>
<td>*S20CP-200-10T</td>
<td>2</td>
<td></td>
<td>FS-19P-200-10T</td>
<td>76.21</td>
<td>41.15</td>
<td>35.82</td>
<td>32.77</td>
</tr>
<tr>
<td>*S20CP-250-10T</td>
<td>2-1/2</td>
<td></td>
<td>FS-19P-250-9T</td>
<td>78.94</td>
<td>42.63</td>
<td>37.10</td>
<td>33.94</td>
</tr>
</tbody>
</table>

All housings are 6-3/4 outside diameter
* Internal 10-tube construction

REPLACEMENT ELEMENTS

<table>
<thead>
<tr>
<th>Cloth (polyester)</th>
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<th>ID</th>
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<th>Height</th>
<th>SOLBERG part no.</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>10C</td>
<td>1-1/8</td>
<td>2-1/4</td>
<td>2-1/4</td>
<td>N/A</td>
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<td>3.02</td>
<td>2.63</td>
<td>2.41</td>
<td></td>
</tr>
<tr>
<td>16C</td>
<td>3</td>
<td>4-3/8</td>
<td>2-5/16</td>
<td>15</td>
<td>9.44</td>
<td>5.10</td>
<td>4.44</td>
<td>4.06</td>
<td></td>
</tr>
<tr>
<td>20CP</td>
<td>3</td>
<td>4-3/8</td>
<td>4-3/4</td>
<td>19P</td>
<td>21.15</td>
<td>11.42</td>
<td>9.94</td>
<td>9.09</td>
<td></td>
</tr>
<tr>
<td>32CP</td>
<td>3-5/8</td>
<td>5-3/4</td>
<td>4-3/4</td>
<td>31P</td>
<td>41.38</td>
<td>22.35</td>
<td>19.45</td>
<td>17.79</td>
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</table>

<table>
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<tr>
<th>Paper</th>
<th>P&amp;A part no.</th>
<th>ID</th>
<th>OD</th>
<th>Height</th>
<th>SOLBERG part no.</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2-1/4</td>
<td>2-1/4</td>
<td>N/A</td>
<td>5.73</td>
<td>3.09</td>
<td>2.69</td>
<td>2.46</td>
<td></td>
</tr>
<tr>
<td>16D</td>
<td>3</td>
<td>4-3/8</td>
<td>2-5/16</td>
<td>14</td>
<td>6.69</td>
<td>3.61</td>
<td>3.14</td>
<td>2.88</td>
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<tr>
<td>20DP</td>
<td>3-5/8</td>
<td>5-3/4</td>
<td>4-3/4</td>
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<td>13.02</td>
<td>7.03</td>
<td>6.12</td>
<td>5.60</td>
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</tbody>
</table>
All dimensions & pipe sizes are in inches

### FILTER HOUSINGS WITH PAPER ELEMENTS AND SILENCING TUBES

<table>
<thead>
<tr>
<th>P&amp;A part no.</th>
<th>NPT</th>
<th>Height</th>
<th>SOLBERG part no.</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-99</th>
<th>100+</th>
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<tbody>
<tr>
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<td>5</td>
<td>FS-14-050</td>
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<td>23.52</td>
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<td>18.73</td>
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<tr>
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<td>FS-14-075</td>
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<td>23.88</td>
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<td>FS-18P-125</td>
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<td>28.17</td>
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</table>

* 10-tube construction

### MINI FILTER HOUSINGS

<table>
<thead>
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<th>P&amp;A part no.</th>
<th>NPT</th>
<th>SOLBERG part no.</th>
<th>List price ($)</th>
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<th>50-99</th>
<th>100+</th>
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<tbody>
<tr>
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<td>F09-025</td>
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<td>17.81</td>
<td>15.50</td>
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</tr>
<tr>
<td>F10C</td>
<td>3/8</td>
<td>F09-038</td>
<td>33.73</td>
<td>18.21</td>
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<td>1/2</td>
<td>F09-050</td>
<td>34.08</td>
<td>18.40</td>
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<td>F10D</td>
<td>1/4</td>
<td>F08-025</td>
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<td>3/8</td>
<td>F08-038</td>
<td>34.18</td>
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<td>F08-050</td>
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</table>

Housings are 4 high X 3 diameter

### EXTRA-LARGE FILTER HOUSINGS WITH SILENCING TUBES

<table>
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<th>P&amp;A part no.</th>
<th>NPT</th>
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<th>List price ($)</th>
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<th>50-99</th>
<th>100+</th>
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<tbody>
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<td>S32CP-150</td>
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<td>FS-31P-200</td>
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<td>78.90</td>
<td>68.67</td>
<td>62.83</td>
</tr>
<tr>
<td>S32CP-250</td>
<td>2-1/2</td>
<td>FS-31P-250</td>
<td>147.42</td>
<td>79.61</td>
<td>69.29</td>
<td>63.39</td>
</tr>
<tr>
<td>S32CP-300</td>
<td>3</td>
<td>N/A</td>
<td>152.32</td>
<td>82.25</td>
<td>71.59</td>
<td>65.50</td>
</tr>
<tr>
<td>S32DP-150</td>
<td>1-1/2</td>
<td>N/A</td>
<td>120.50</td>
<td>65.07</td>
<td>56.64</td>
<td>51.82</td>
</tr>
<tr>
<td>S32DP-200</td>
<td>2</td>
<td>FS-30P-200</td>
<td>121.02</td>
<td>65.35</td>
<td>56.88</td>
<td>52.04</td>
</tr>
<tr>
<td>S32DP-250</td>
<td>2-1/2</td>
<td>FS-30P-250</td>
<td>121.76</td>
<td>65.75</td>
<td>57.23</td>
<td>52.36</td>
</tr>
<tr>
<td>S32DP-300</td>
<td>3</td>
<td>N/A</td>
<td>122.40</td>
<td>66.10</td>
<td>57.53</td>
<td>52.63</td>
</tr>
</tbody>
</table>

Housings are 8-1/2 high X 9-1/2 diameter
## PARTICULATE FILTERS

<table>
<thead>
<tr>
<th>Part no.</th>
<th>FPT</th>
<th>Bowl capacity (oz)</th>
<th>Max flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F300-01</td>
<td>1/8</td>
<td>1</td>
<td>27</td>
<td>32.40</td>
</tr>
<tr>
<td>F300-02</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F352</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F353</td>
<td>3/8</td>
<td>5</td>
<td>48</td>
<td>66.40</td>
</tr>
<tr>
<td>F354</td>
<td>1/2</td>
<td></td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>F374W</td>
<td>1/2</td>
<td></td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>F376W</td>
<td>3/4</td>
<td>10</td>
<td>230</td>
<td>107.10</td>
</tr>
<tr>
<td>F378W</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F329-06W</td>
<td>3/4</td>
<td>29</td>
<td>260</td>
<td>195.60</td>
</tr>
<tr>
<td>F329-08W</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F329-10W</td>
<td>1-1/4</td>
<td>400</td>
<td></td>
<td>361.10</td>
</tr>
<tr>
<td>F329-12W</td>
<td>1-1/2</td>
<td>425</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F358HF-12</td>
<td>1-1/2</td>
<td>50</td>
<td>550</td>
<td>575.40</td>
</tr>
<tr>
<td>F3N1-12</td>
<td>1-1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F3N1-16</td>
<td>2</td>
<td>100</td>
<td>910</td>
<td>797.60</td>
</tr>
<tr>
<td>F3N1-16T</td>
<td></td>
<td></td>
<td></td>
<td>965.60</td>
</tr>
<tr>
<td>F3NHF-24</td>
<td>3</td>
<td>200</td>
<td>1,300</td>
<td>981.70</td>
</tr>
<tr>
<td>F3NHF-24T</td>
<td></td>
<td></td>
<td></td>
<td>1149.60</td>
</tr>
</tbody>
</table>

## WARNING!
Poly carbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present use a metal bowl.

## COALESCING FILTERS

<table>
<thead>
<tr>
<th>Part no.</th>
<th>FPT</th>
<th>Bowl capacity (oz)</th>
<th>Max flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F300-01</td>
<td>1/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F300-02</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F352</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F353</td>
<td>3/8</td>
<td>5</td>
<td>75</td>
<td>66.40</td>
</tr>
<tr>
<td>F354</td>
<td>1/2</td>
<td></td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>F374W</td>
<td>1/2</td>
<td></td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>F376W</td>
<td>3/4</td>
<td>10</td>
<td>230</td>
<td>107.10</td>
</tr>
<tr>
<td>F378W</td>
<td>1</td>
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<tr>
<td>F329-06W</td>
<td>3/4</td>
<td>29</td>
<td>260</td>
<td>195.60</td>
</tr>
<tr>
<td>F329-08W</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F329-10W</td>
<td>1-1/4</td>
<td>400</td>
<td></td>
<td>361.10</td>
</tr>
<tr>
<td>F329-12W</td>
<td>1-1/2</td>
<td>425</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F358HF-12</td>
<td>1-1/2</td>
<td>50</td>
<td>550</td>
<td>575.40</td>
</tr>
<tr>
<td>F3N1-12</td>
<td>1-1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F3N1-16</td>
<td>2</td>
<td>100</td>
<td>910</td>
<td>797.60</td>
</tr>
<tr>
<td>F3N1-16T</td>
<td></td>
<td></td>
<td></td>
<td>965.60</td>
</tr>
<tr>
<td>F3NHF-24</td>
<td>3</td>
<td>200</td>
<td>1,300</td>
<td>981.70</td>
</tr>
<tr>
<td>F3NHF-24T</td>
<td></td>
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<td>1149.60</td>
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</tbody>
</table>

**FILTER OPTION**

<table>
<thead>
<tr>
<th>FILTER OPTION</th>
<th>PRICE ADJUSTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>109.60</td>
</tr>
<tr>
<td>F</td>
<td>39.10</td>
</tr>
<tr>
<td>J</td>
<td>3.00</td>
</tr>
<tr>
<td>K</td>
<td>11.20</td>
</tr>
<tr>
<td>M</td>
<td>F300: 5.60</td>
</tr>
<tr>
<td></td>
<td>F350: 7.40</td>
</tr>
<tr>
<td></td>
<td>F370: -7.90</td>
</tr>
<tr>
<td></td>
<td>F329: -15.00</td>
</tr>
<tr>
<td></td>
<td>F358HF, F3N1, F3NHF: included</td>
</tr>
<tr>
<td>T</td>
<td>164.70 (F3N1 only)</td>
</tr>
<tr>
<td>W</td>
<td>F300: N/A</td>
</tr>
<tr>
<td></td>
<td>F350: 13.10</td>
</tr>
<tr>
<td></td>
<td>F370, F329: included</td>
</tr>
<tr>
<td></td>
<td>F358: 15.80</td>
</tr>
<tr>
<td></td>
<td>F3N: 26.80</td>
</tr>
<tr>
<td>Z</td>
<td>F300 series: 22.00</td>
</tr>
<tr>
<td></td>
<td>F350 series: 29.40</td>
</tr>
<tr>
<td>S</td>
<td>5 MICRON ELEMENT</td>
</tr>
<tr>
<td></td>
<td>F358, F3N: N/A</td>
</tr>
<tr>
<td></td>
<td>All others: no charge</td>
</tr>
<tr>
<td>3</td>
<td>3 MICRON ELEMENT</td>
</tr>
<tr>
<td></td>
<td>F300: N/A</td>
</tr>
<tr>
<td></td>
<td>F350, F370: 5.00</td>
</tr>
<tr>
<td></td>
<td>F329: 19.00</td>
</tr>
<tr>
<td></td>
<td>F358, F3N: 20.30</td>
</tr>
</tbody>
</table>

Add suffix to part no., first letter and then number codes, ex. F352W3 is a filter with metal bowl, sight glass, and 3 micron element.
**REGULATORS**

---

### MINIATURE REGULATORS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Body Material</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R161</td>
<td>1/8</td>
<td>zinc</td>
<td>28.00</td>
</tr>
<tr>
<td>R162</td>
<td>1/4</td>
<td>zinc</td>
<td>28.00</td>
</tr>
<tr>
<td>R261</td>
<td>1/8</td>
<td>nylon</td>
<td>27.10</td>
</tr>
<tr>
<td>R262</td>
<td>1/4</td>
<td>nylon</td>
<td>27.10</td>
</tr>
</tbody>
</table>

Max. supply pressure: 250 psig, operating temp. range: 40° - 120°F, max. flow rate: 25 scfm

### STANDARD REGULATORS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R352</td>
<td>1/4</td>
<td>50</td>
<td>61.50</td>
</tr>
<tr>
<td>R353</td>
<td>3/8</td>
<td>80</td>
<td>120.20</td>
</tr>
<tr>
<td>R354</td>
<td>1/2</td>
<td>100</td>
<td>203.80</td>
</tr>
</tbody>
</table>

Max. supply pressure: 250 psig, operating temp. range: 40° - 120°F

### MID FLOW REGULATORS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R374</td>
<td>1/2</td>
<td>215</td>
<td>89.50</td>
</tr>
<tr>
<td>R376</td>
<td>3/4</td>
<td>220</td>
<td></td>
</tr>
<tr>
<td>R378</td>
<td>1</td>
<td>250</td>
<td></td>
</tr>
</tbody>
</table>

Max. supply pressure: 250 psig, operating temp. range: 40° - 120°F

### HIGH FLOW REGULATORS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R398</td>
<td>1</td>
<td>600</td>
<td>183.90</td>
</tr>
<tr>
<td>R3910</td>
<td>1-1/4</td>
<td>700</td>
<td>203.80</td>
</tr>
<tr>
<td>R3912</td>
<td>1-1/2</td>
<td>800</td>
<td></td>
</tr>
</tbody>
</table>

Max. supply pressure: 250 psig, operating temp. range: 40° - 120°F

### REGULATOR & INTEGRAL FILTER/REGULATOR OPTIONS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>List price ($)</th>
<th>DESCRIPTION</th>
<th>List price ($)</th>
<th>DESCRIPTION</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B 2-POSITION MECHANICAL LOCK KNOB</td>
<td>6.60</td>
<td>U NO GAUGE PORTS</td>
<td>N/C</td>
<td>U NO GAUGE PORTS</td>
<td>N/C</td>
</tr>
<tr>
<td>F INTERNAL FLOAT DRAIN</td>
<td>39.10</td>
<td>V ALL 1/4 PORTS (4)</td>
<td>N/C</td>
<td>V ALL 1/4 PORTS (4)</td>
<td>N/C</td>
</tr>
<tr>
<td>G GAUGE</td>
<td>15.50</td>
<td>W METAL BOWL w/SIGHT GLASS</td>
<td>13.20</td>
<td>W METAL BOWL w/SIGHT GLASS</td>
<td>13.20</td>
</tr>
<tr>
<td>H HIGH PRESSURE (10-250 PSI)</td>
<td>11.30 (R39)</td>
<td>Y1 VITON DIAPHRAGM AND INNER VALVE SEAL (R261 &amp; R262 ONLY)</td>
<td>14.70</td>
<td>Y1 VITON DIAPHRAGM AND INNER VALVE SEAL (R261 &amp; R262 ONLY)</td>
<td>14.70</td>
</tr>
<tr>
<td>I INSTRUMENT PRESSURE (3-20 PSI)</td>
<td>N/C</td>
<td>Y2 EPDM DIAPHRAGM AND INNER VALVE SEAL (R261 &amp; R262 ONLY)</td>
<td>14.70</td>
<td>Y2 EPDM DIAPHRAGM AND INNER VALVE SEAL (R261 &amp; R262 ONLY)</td>
<td>14.70</td>
</tr>
<tr>
<td>J OVERNIGHT DRAIN PLASTIC BOWL</td>
<td>5.00</td>
<td>Z PKF300 PISTON DRAIN FOR MINI w/METAL BOWL</td>
<td>22.00</td>
<td>Z PKF300 PISTON DRAIN FOR MINI w/METAL BOWL</td>
<td>22.00</td>
</tr>
<tr>
<td>K OVERNIGHT DRAIN METAL BOWL</td>
<td>11.20</td>
<td>Z PISTON DRAIN PK35 STANDARD POLY DRAIN ONLY</td>
<td>29.40</td>
<td>Z PISTON DRAIN PK35 STANDARD POLY DRAIN ONLY</td>
<td>29.40</td>
</tr>
<tr>
<td>L LOW PRESSURE (3-60 PSI)</td>
<td>N/C</td>
<td>5 5 MICRON ABSOLUTE ELEMENT</td>
<td>N/C</td>
<td>5 5 MICRON ABSOLUTE ELEMENT</td>
<td>N/C</td>
</tr>
<tr>
<td>M METAL BOWL</td>
<td>5.60 (B74)</td>
<td>3 3 MICRON ABSOLUTE ELEMENT</td>
<td>5.00</td>
<td>3 3 MICRON ABSOLUTE ELEMENT</td>
<td>5.00</td>
</tr>
<tr>
<td>N NON–RELIEVING</td>
<td>N/C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P PANEL MOUNT T-HANDLE ADJUST</td>
<td>2.10 (B74)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T T-HANDLE ADJUST</td>
<td>N/C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ADD SUFFIX TO PART NO. IN ALPHANUMERIC ORDER**

---

### MINIATURE RELIEF VALVES

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Material</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E191</td>
<td>1/8</td>
<td>Die cast metal</td>
<td>32.40</td>
</tr>
<tr>
<td>E192</td>
<td>1/4</td>
<td>Die cast metal</td>
<td>32.40</td>
</tr>
</tbody>
</table>

---

### MINIATURE RELIEF VALVES

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Material</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E291</td>
<td>1/8</td>
<td>Plastic</td>
<td>34.30</td>
</tr>
<tr>
<td>E292</td>
<td>1/4</td>
<td>Plastic</td>
<td>34.30</td>
</tr>
</tbody>
</table>

---

All dimensions & pipe sizes are in inches.

Please contact Pennington & Associates for a complete Arrow product line catalog.
### LUBRICATORS

**MINIATURE FOG:**
Designed for low flow applications where space is limited.

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Bowl material</th>
<th>Bowl capacity</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L181</td>
<td>1/8</td>
<td>plastic</td>
<td>1 oz</td>
<td>16</td>
<td>42.00</td>
</tr>
<tr>
<td>L182</td>
<td>1/4</td>
<td>plastic</td>
<td>1 oz</td>
<td>16</td>
<td>42.00</td>
</tr>
</tbody>
</table>

**ARROWFOG:**
Sends all metered oil down line in fog droplets; accommodates a wide range of applications.

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Bowl material</th>
<th>Bowl capacity</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L352</td>
<td>1/4</td>
<td>plastic</td>
<td>5 oz</td>
<td>16</td>
<td>83.90</td>
</tr>
<tr>
<td>L353</td>
<td>3/8</td>
<td>plastic</td>
<td>5 oz</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>L354</td>
<td>1/2</td>
<td>plastic</td>
<td>5 oz</td>
<td>142</td>
<td></td>
</tr>
</tbody>
</table>

**ULTRAFOG:**
Allows precise adjustment; atomizes oil droplets to a fine mist for reclassification in the bowl before sending lighter particles of oil down line.

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Bowl material</th>
<th>Bowl capacity</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L452</td>
<td>1/4</td>
<td>plastic</td>
<td>5 oz</td>
<td>16</td>
<td>83.90</td>
</tr>
<tr>
<td>L453</td>
<td>3/8</td>
<td>plastic</td>
<td>5 oz</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>L454</td>
<td>1/2</td>
<td>plastic</td>
<td>5 oz</td>
<td>142</td>
<td></td>
</tr>
</tbody>
</table>

**ARROWICK:**
Uses an adjustable saturated wick to send smallest possible droplets of oil down line. Eliminates problems encountered with dome style lubricators.

<table>
<thead>
<tr>
<th>Model no.</th>
<th>FPT</th>
<th>Bowl material</th>
<th>Bowl capacity</th>
<th>Max. flow rate (scfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4106</td>
<td>3/4</td>
<td>metal</td>
<td>29 oz</td>
<td>175</td>
<td>165.10</td>
</tr>
<tr>
<td>4108</td>
<td>1</td>
<td>metal</td>
<td>29 oz</td>
<td>175</td>
<td>165.10</td>
</tr>
<tr>
<td>4112</td>
<td>1-1/2</td>
<td>metal</td>
<td>29 oz</td>
<td>175</td>
<td>165.10</td>
</tr>
</tbody>
</table>

**LUBRICATOR OPTIONS**

<table>
<thead>
<tr>
<th></th>
<th>L1 series List price ($)</th>
<th>L35 series List price ($)</th>
<th>L37 series List price ($)</th>
<th>L38 series List price ($)</th>
<th>L45 series List price ($)</th>
<th>L47 series List price ($)</th>
<th>L48 series List price ($)</th>
<th>41 series List price ($)</th>
<th>41 LCM List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>5.80</td>
<td>7.60</td>
<td>-8.30</td>
<td>-10.60</td>
<td>7.60</td>
<td>-8.30</td>
<td>-10.60</td>
<td>STD</td>
<td>N/A</td>
</tr>
<tr>
<td>W</td>
<td>N/A</td>
<td>12.90</td>
<td>STD</td>
<td>STD</td>
<td>13.20</td>
<td>STD</td>
<td>STD</td>
<td>15.30</td>
<td>STD</td>
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</tbody>
</table>
All dimensions & pipe sizes are in inches

**FRL COMBINATIONS**

<table>
<thead>
<tr>
<th>MINIATURE</th>
<th>Model no.</th>
<th>FPT</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7681</td>
<td>1/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7682</td>
<td>1/4</td>
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<td>123.60</td>
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<table>
<thead>
<tr>
<th>STANDARD</th>
<th>Model no.</th>
<th>FPT</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C - w/ modular end port inserts</td>
<td>C33352</td>
<td>1/4</td>
<td>290.10</td>
</tr>
<tr>
<td></td>
<td>C33353</td>
<td>3/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C33354</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C33356</td>
<td>3/4</td>
<td>293.40</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>N - nipple connected</th>
<th>Model no.</th>
<th>FPT</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N33352</td>
<td>1/4</td>
<td></td>
<td>243.60</td>
</tr>
<tr>
<td>N33353</td>
<td>3/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N33354</td>
<td>1/2</td>
<td></td>
<td>249.30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IN-LINE DESICCANT DRYERS</th>
<th>Model no.</th>
<th>FPT</th>
<th>Capacity</th>
<th>SCFM</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D12-04</td>
<td>1/2</td>
<td></td>
<td>1 qt</td>
<td>5-15</td>
<td>279.40</td>
</tr>
<tr>
<td>D12-04XL</td>
<td>2 qt</td>
<td>15-25</td>
<td></td>
<td></td>
<td>323.20</td>
</tr>
<tr>
<td>D12-04XXL</td>
<td>1 gal</td>
<td>40</td>
<td></td>
<td>50</td>
<td>336.90</td>
</tr>
<tr>
<td>D12-06</td>
<td>3/4</td>
<td></td>
<td></td>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>STAGEAIR DESICCANT DRYING SYSTEM</th>
<th>Model no.</th>
<th>Description</th>
<th>Capacity</th>
<th>SCFM</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VC7510</td>
<td>1/2&quot; StageAir System</td>
<td>1 qt</td>
<td>5-15</td>
<td>643.00</td>
<td></td>
</tr>
<tr>
<td>VC7510XL</td>
<td>1/2&quot; StageAir - Large Capacity</td>
<td>2 qt</td>
<td>15-25</td>
<td>734.60</td>
<td></td>
</tr>
<tr>
<td>VC7525</td>
<td>1/2&quot; StageAir - 3/4 outlet</td>
<td>1 gal</td>
<td>25-50</td>
<td>1468.60</td>
<td></td>
</tr>
<tr>
<td>C7612XXL</td>
<td>1/2&quot; StageAir - 1/2 outlet</td>
<td>1 gal</td>
<td>40</td>
<td>699.70</td>
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</tr>
<tr>
<td>D7612</td>
<td>1/2&quot; Economy desiccant dryer</td>
<td>1 qt</td>
<td>15</td>
<td>322.60</td>
<td></td>
</tr>
</tbody>
</table>

See p. 48 for SORBEAD® blue silica gel desiccant

<table>
<thead>
<tr>
<th>3-way OSHA lockout slide valve - nipple connected</th>
<th>Model no.</th>
<th>FPT</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V202</td>
<td>1/4</td>
<td></td>
<td>32.50</td>
</tr>
<tr>
<td>V203</td>
<td>3/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V204</td>
<td>1/2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miniature in-line desiccant dryer</th>
<th>Model no.</th>
<th>Capacity (scfm)</th>
<th>Max. temp (°F)</th>
<th>Max. pressure (psi)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 MPT &amp; 1/4 FPT connections, bi-directional flow</td>
<td>DFD-10</td>
<td>15</td>
<td>130</td>
<td>125</td>
<td>32.20</td>
</tr>
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</table>
# WALKER FILTRATION PRODUCTS

## HIGH EFFICIENCY FILTERS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>Fitting size</th>
<th>Flow capacity (cfm)</th>
<th>List price ($)</th>
<th>Replacement element</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WFH20*</td>
<td>1/4</td>
<td>20</td>
<td>228.00</td>
<td>WFH20(*)E</td>
<td>69.00</td>
</tr>
<tr>
<td>WFH30*</td>
<td>3/8</td>
<td>30</td>
<td>242.00</td>
<td>WFH30(*)E</td>
<td>81.00</td>
</tr>
<tr>
<td>WFH65*</td>
<td>1/2</td>
<td>65</td>
<td>345.00</td>
<td>WFH65(*)E</td>
<td>124.00</td>
</tr>
<tr>
<td>WFH75*</td>
<td>3/4</td>
<td>75</td>
<td>363.00</td>
<td>WFH75(*)E</td>
<td>130.00</td>
</tr>
<tr>
<td>WFH100*</td>
<td>1</td>
<td>100</td>
<td>456.00</td>
<td>WFH100(*)E</td>
<td>145.00</td>
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<tr>
<td>WFH150*</td>
<td>1-1/2</td>
<td>150</td>
<td>488.00</td>
<td>WFH150(*)E</td>
<td>169.00</td>
</tr>
<tr>
<td>WFH225*</td>
<td>1-1/2</td>
<td>225</td>
<td>658.00</td>
<td>WFH225(*)E</td>
<td>193.00</td>
</tr>
<tr>
<td>WFH300*</td>
<td>2</td>
<td>450</td>
<td>1,005.00</td>
<td>WFH450(*)E</td>
<td>279.00</td>
</tr>
<tr>
<td>WFH450*</td>
<td>2</td>
<td>650</td>
<td>1,250.00</td>
<td>WFH450(*)E</td>
<td>328.00</td>
</tr>
<tr>
<td>WFH650*</td>
<td>1</td>
<td>1,000</td>
<td>1,631.00</td>
<td>WFH650(*)E</td>
<td>413.00</td>
</tr>
<tr>
<td>WFH1000*</td>
<td>3</td>
<td>1,500</td>
<td>2,361.00</td>
<td>WFH1000(*)E</td>
<td>606.00</td>
</tr>
<tr>
<td>WFH1250*</td>
<td>3</td>
<td>2,000</td>
<td>3,820.00</td>
<td>WFH1250(*)E</td>
<td>542.00</td>
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<tr>
<td>WFH1500*</td>
<td>3</td>
<td>3,500</td>
<td>5,360.00</td>
<td>WFH1500(*)E</td>
<td>816.00</td>
</tr>
</tbody>
</table>

- Fill in desired element grade (G, P, C, or V), i.e. WFH65PE.
  - G: 5 micron, general purpose, point of use
  - P: 1 micron, coalescing/particulate
  - C: 0.01 micron, high-efficiency, coalescing
  - V: activated carbon vapor removal

- Pop-up indicator is standard on WFH20 & WFH30, optional on all others.
- DP gauge standard on WFH65 through WFH1500.

## WATER SEPARATORS

<table>
<thead>
<tr>
<th>Model no.</th>
<th>Fitting size</th>
<th>Flow capacity (cfm)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3022WS</td>
<td>1/4</td>
<td>25</td>
<td>140.00</td>
</tr>
<tr>
<td>A3031WS</td>
<td>3/8</td>
<td>35</td>
<td>170.00</td>
</tr>
<tr>
<td>A3051WS</td>
<td>1/2</td>
<td>50</td>
<td>200.00</td>
</tr>
<tr>
<td>A3052WS</td>
<td>1</td>
<td>70</td>
<td>240.00</td>
</tr>
<tr>
<td>A3071WS</td>
<td>3/4</td>
<td>125</td>
<td>280.00</td>
</tr>
<tr>
<td>A3101WS</td>
<td>1</td>
<td>175</td>
<td>320.00</td>
</tr>
<tr>
<td>A3122WS</td>
<td>1-1/4</td>
<td>280</td>
<td>375.00</td>
</tr>
<tr>
<td>A3151WS</td>
<td>1-1/2</td>
<td>400</td>
<td>480.00</td>
</tr>
<tr>
<td>A3201WS</td>
<td>2</td>
<td>700</td>
<td>575.00</td>
</tr>
<tr>
<td>A3251WS</td>
<td>2-1/2</td>
<td>850</td>
<td>950.00</td>
</tr>
<tr>
<td>A3301WS</td>
<td>3</td>
<td>1500</td>
<td>1200.00</td>
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</table>
### MUFFLERS / VENTS

#### Specifications

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Thread</th>
<th>Overall length</th>
<th>Diameter</th>
<th>Weight (lbs)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPT</td>
<td>BSP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASP-M**</td>
<td>N/A</td>
<td>10/32</td>
<td>45/64</td>
<td>5/16</td>
<td>0.01</td>
</tr>
<tr>
<td>ASP-1</td>
<td>ASP-1BS</td>
<td>1/8</td>
<td>1-1/8</td>
<td>7/16</td>
<td>0.02</td>
</tr>
<tr>
<td>ASP-2</td>
<td>ASP-2BS</td>
<td>1/4</td>
<td>1-3/8</td>
<td>9/16</td>
<td>0.04</td>
</tr>
<tr>
<td>ASP-3</td>
<td>ASP-3BS</td>
<td>3/8</td>
<td>1-1/2</td>
<td>11/16</td>
<td>0.06</td>
</tr>
<tr>
<td>ASP-4</td>
<td>ASP-4BS</td>
<td>1/2</td>
<td>1-7/8</td>
<td>7/8</td>
<td>0.10</td>
</tr>
<tr>
<td>ASP-6</td>
<td>#</td>
<td>3/4</td>
<td>2-1/4</td>
<td>1-1/16</td>
<td>0.18</td>
</tr>
<tr>
<td>ASP-8</td>
<td>#</td>
<td>1</td>
<td>2-7/8</td>
<td>1-5/16</td>
<td>0.34</td>
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<tr>
<td>ASP-10</td>
<td>#</td>
<td>1-1/4</td>
<td>3-1/4</td>
<td>1-11/16</td>
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<tr>
<td>ASP-12</td>
<td>#</td>
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<tr>
<td>ASP-420**</td>
<td>#</td>
<td>1/2-20</td>
<td>1-3/16</td>
<td>5/8</td>
<td>DISCONTINUED</td>
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</tbody>
</table>

* Furnished with gasket
** Female threads fit most solenoid valve exhaust ports

* Special order; contact us for availability

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Thread</th>
<th>Overall length</th>
<th>Diameter</th>
<th>Weight (lbs)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPT</td>
<td>BSP</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>ASP-1BV</td>
<td>ASP-1BVBS</td>
<td>1/8</td>
<td>7/16</td>
<td>7/16</td>
<td>0.01</td>
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<tr>
<td>ASP-2BV</td>
<td>ASP-2BVBS</td>
<td>1/4</td>
<td>5/8</td>
<td>9/16</td>
<td>0.02</td>
</tr>
<tr>
<td>ASP-3BV</td>
<td>ASP-3BVBS</td>
<td>3/8</td>
<td>3/4</td>
<td>11/16</td>
<td>0.04</td>
</tr>
<tr>
<td>ASP-4BV</td>
<td>ASP-4BVBS</td>
<td>1/2</td>
<td>7/8</td>
<td>7/8</td>
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</tr>
<tr>
<td>ASP-6BV</td>
<td></td>
<td>3/4</td>
<td>1</td>
<td>1-1/16</td>
<td>0.10</td>
</tr>
<tr>
<td>ASP-8BV</td>
<td></td>
<td>1</td>
<td>1-5/16</td>
<td>1-5/16</td>
<td>0.23</td>
</tr>
<tr>
<td>ASP-10BV</td>
<td></td>
<td>1-1/4</td>
<td>1-13/32</td>
<td>1-11/16</td>
<td>0.41</td>
</tr>
<tr>
<td>ASP-12BV</td>
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<td>1-1/2</td>
<td>1-1/2</td>
<td>2</td>
<td>0.56</td>
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</table>

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Thread</th>
<th>Max adj. flow (scfm)</th>
<th>Approximate height at full flow</th>
<th>Hex size</th>
<th>Weight (lbs)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASP-1SC</td>
<td>1/8</td>
<td>20</td>
<td>1-5/16</td>
<td>1/2</td>
<td>0.07</td>
<td>5.31</td>
</tr>
<tr>
<td>ASP-2SC</td>
<td>1/4</td>
<td>30</td>
<td>1-9/16</td>
<td>9/16</td>
<td>0.09</td>
<td>5.89</td>
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<tr>
<td>ASP-3SC</td>
<td>3/8</td>
<td>40</td>
<td>1-5/8</td>
<td>11/16</td>
<td>0.14</td>
<td>7.55</td>
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<tr>
<td>ASP-4SC</td>
<td>1/2</td>
<td>60</td>
<td>2</td>
<td>7/8</td>
<td>0.25</td>
<td>9.89</td>
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<td>ASP-6SC</td>
<td>3/4</td>
<td>70</td>
<td>2-3/8</td>
<td>1 1/16</td>
<td>0.42</td>
<td>19.20</td>
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<td>ASP-8SC</td>
<td>1</td>
<td>100</td>
<td>2-1/2</td>
<td>1 5/16</td>
<td>0.56</td>
<td>26.13</td>
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<td>ASP-1SCH</td>
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<td>30</td>
<td>1-9/16</td>
<td>9/16</td>
<td>0.09</td>
<td>5.89</td>
</tr>
<tr>
<td>ASP-2SCH</td>
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<td>40</td>
<td>1-5/8</td>
<td>11/16</td>
<td>0.14</td>
<td>7.55</td>
</tr>
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<td>60</td>
<td>2</td>
<td>7/8</td>
<td>0.25</td>
<td>9.34</td>
</tr>
<tr>
<td>ASP-4SCH</td>
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<td>70</td>
<td>2-3/8</td>
<td>1 1/16</td>
<td>0.42</td>
<td>15.95</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Max. operating pressure (psi)</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temp. range (°F)</td>
<td>35 - 300</td>
</tr>
</tbody>
</table>

#### Quiet Flow mufflers/filters

Quiet Flow mufflers/filters utilize porous sintered bronze directly bonded to nickel plated steel pipe thread fittings to diffuse air and mufffle noise from the exhausted ports of valves, cylinders, and air tools. These units offer a combination of small size with the greatest possible sound deadening qualities to reduce exhaust noise to acceptable levels within OSHA noise requirements. In addition, these units are used as filters for gasoline, oil, and air. Standard units contain a 40 micron element, 20 and 90 micron units are also available on special order. Model ASP-420 is a female threaded (1/2" - 20) muffler for use on exhaust ports of most solenoid valves, and can be used with "exhaust to atmosphere" valves, including Skinner, Peter Paul, Allied, KIP, Pre Dyné or any valve using 1/2" - 20 threads on

#### Breather vents

Breather vents have many applications, including vacuum relief or pressure equalization on gear boxes, oil tanks or reservoirs, common uses can be found on single acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere, units have a nickel plated steel insert, all have standard pipe thread fittings for quick assembly and removal for cleaning, the filter element within the standard breather vent is rated for 40 micron filtration and can also be obtained for 20 or 90 micron filtration on special order.

#### Quiet Flow speed control mufflers

Quiet Flow speed control mufflers provide an infinite variation of metering air flow at an acceptable sound level on exhaust ports of air valves with complete safety. With linear adjusting ability, the speed of an operating cylinder or air tool may be increased or decreased with the adjusting screw. The final position is then locked in place by the lock nut. Objectionable exhaust air noise is eliminated by the surrounding sintered bronze sleeve. Complete safety in operation is featured in Quiet Flow speed control mufflers. The sintered bronze sleeve is held securely in position and protected by an integral shroud. A 40 micron element is standard. High flow units offer more surface area for increased flow.
MUFFLERS / FILTERS

Please contact Pennington & Associates for a complete Arrow product line catalog.

### Economy silencer mufflers

Incorporate a 50 mesh, self-cleaning, stainless steel screen in a strong, protective glass-filled nylon housing which is ultrasonically welded for maximum strength. This unit offers greater flow with less pressure drop than the ASP Series, while reducing noise levels. See sales literature for performance charts, flow information, and sound characteristics.

#### Specifications

- **Max. operating pressure (psi)**: 150
- **Operating temp. range (°F)**: 35 - 120

### Heavy-duty metal silencer mufflers

Are a quick and inexpensive way to help reduce work area noise. At the same time, they protect the inside of pneumatic valves from contamination which can enter through the exhaust ports. Units 1/8” through 1” feature a 50 mesh, self-cleaning stainless steel screen, corrosion-resistant aluminum shell, high flow and minimal back pressure. Download sales literature for performance charts, flow information, and sound characteristics.

#### Specifications

- **Max. operating pressure (psi)**: 300
- **Operating temp. range (°F)**: 35 - 160

### In-line tool filters

Are designed specifically for the protection of small air tools, such as impact wrenches, nut runners, grinders and screwdrivers. They reduce downtime, prevent costly tool repairs, and extend tool life. The all-anodized, lightweight aluminum housing is compact and can be used directly before the air tool. Elements can be replaced quickly at nominal cost. The standard element is 40 micron, which insures minimum pressure drop. Elements can be obtained in 20 or 90 micron filtration on special order. These filters can also be used in low pressure hydraulic applications, in which case we recommend using a 20 micron element. Special Viton O-rings are available for oil systems where chemical compatibility may be a problem.

#### Specifications

- **Max. oper. pressure (psi)**: 500
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

### Hydraulic in-line filters

Provide protection for small, high pressure systems up to 3,000 psi. By using these filters at the pressure side of a pump, foreign particles 25 microns and larger, such as those created by pump wear, are removed before damage can result. A sintered bronze element ensures protection against crushing that dirt accumulate and increase pressure drop across the element. The unique construction features an anodized aluminum housing for light weight, and a conically shaped sintered bronze element positioned by a retaining spring to allow true, uninterrupted axial flow. Special Viton O-rings are available where chemical compatibility may be a problem. The standard 25 micron element can be easily cleaned or replaced. Nominal filtration ratings of 90, 40, or 10 microns are also available.

#### Specifications

- **Max. oper. pressure (psi)**: 3000
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

---

**Part no. / Male NPT / Overall length / Diameter / Weight (lb) / List price ($)**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Male NPT</th>
<th>Overall length</th>
<th>Diameter</th>
<th>Weight (lb)</th>
<th>List price ($)</th>
</tr>
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<tbody>
<tr>
<td>SQF-1</td>
<td>1/8</td>
<td>2-7/64</td>
<td>13/16</td>
<td>.02</td>
<td>5.10</td>
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<td>SQF-2</td>
<td>1/4</td>
<td>2-15/64</td>
<td>1/2</td>
<td>.03</td>
<td>7.47</td>
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<tr>
<td>SQF-3</td>
<td>3/8</td>
<td>3-27/64</td>
<td>1-1/4</td>
<td>.09</td>
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<td>SQF-4</td>
<td>1/2</td>
<td>3-35/64</td>
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**Part no. / Overall length / Diameter / Weight (lb) / List price ($)**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Overall length</th>
<th>Diameter</th>
<th>Weight (lb)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASQF-1F</td>
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<td>1-7/8</td>
<td>5/8</td>
<td>.05</td>
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<tr>
<td>ASQF-2F</td>
<td>1/4</td>
<td>3/8</td>
<td>1</td>
<td>.06</td>
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<tr>
<td>ASQF-3F</td>
<td>1/2</td>
<td>3-1/4</td>
<td>1</td>
<td>.23F/.21M</td>
</tr>
<tr>
<td>ASQF-4F</td>
<td>3/4</td>
<td>4-5/8</td>
<td>1-5/8</td>
<td>.56</td>
</tr>
<tr>
<td>ASQF-5F</td>
<td>1/1-1/2</td>
<td>2-1/2</td>
<td>1</td>
<td>.75</td>
</tr>
<tr>
<td>ASQF-6F</td>
<td>2</td>
<td>6-7-16</td>
<td>1</td>
<td>.81</td>
</tr>
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---

**Specifications**

- **Max. oper. pressure (psi)**: 10, 40, or 10 microns are also available.
- **Spring kit part no.**
- **List price ($)**
- **Specifications**
- **Max. oper. pressure (psi)**: 150
- **Operating temp. range (°F)**: 35 - 120

---

**Specifications**

- **Max. oper. pressure (psi)**: 300
- **Operating temp. range (°F)**: 35 - 160

---

**Specifications**

- **Max. oper. pressure (psi)**: 500
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

---

**Specifications**

- **Max. oper. pressure (psi)**: 3000
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

---

**Specifications**

- **Max. oper. pressure (psi)**: 3000
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

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**Specifications**

- **Max. oper. pressure (psi)**: 150
- **Operating temp. range (°F)**: 35 - 120

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**Specifications**

- **Max. oper. pressure (psi)**: 300
- **Operating temp. range (°F)**: 35 - 160

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**Specifications**

- **Max. oper. pressure (psi)**: 500
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

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**Specifications**

- **Max. oper. pressure (psi)**: 3000
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

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**Specifications**

- **Max. oper. pressure (psi)**: 10, 40, or 10 microns are also available.
- **Spring kit part no.**
- **List price ($)**
- **Specifications**
- **Max. oper. pressure (psi)**: 150
- **Operating temp. range (°F)**: 35 - 120

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**Specifications**

- **Max. oper. pressure (psi)**: 300
- **Operating temp. range (°F)**: 35 - 160

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**Specifications**

- **Max. oper. pressure (psi)**: 500
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

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**Specifications**

- **Max. oper. pressure (psi)**: 3000
- **Operating temp.(°F)**: 35 - 200, w/ Viton O-ring: 35 - 400

---

**Specifications**

- **Max. oper. pressure (psi)**: 10, 40, or 10 microns are also available.
Please contact Pennington & Associates for a complete Arrow product line catalog

Tee-type hydraulic in-line filters provide protection for small, high pressure systems up to 5000 psi. Their design is similar to the model 9052 and 9053 filters, with the added convenience of a cleanable element that can be removed without breaking line connections. A filter access cap simply unscrews for easy element cleaning and replacement. The anodized aluminum housing is lightweight, porting is 1/4", 3/8" or 9/16"-18 SAE NPT pipe. Viton O-rings are offered for oil systems where chemical compatibility may be a problem. The standard bronze filter element is 25 micron. Nominal filtration ratings of 90, 40 or 10 microns are available. Overall length: 3-3/16, diameter: 2-1/8, weight: .93 lb.

### FILTERS Specifications

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>Max. oper. pressure (psi)</th>
<th>Operating temp. range (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9052T</td>
<td>1/4</td>
<td>5000</td>
<td>35 - 200, w/ Viton O-ring: 35 - 400</td>
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<tr>
<td>9053T</td>
<td>3/8</td>
<td>5000</td>
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</tr>
<tr>
<td>9152T</td>
<td>9/16 - 1/8 SAE</td>
<td>5000</td>
<td>35 - 400</td>
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### Specifications

<table>
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<th>NPT</th>
<th>Shut off (scfm)</th>
<th>Weight (lb)</th>
<th>List price ($)</th>
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</thead>
<tbody>
<tr>
<td>5074</td>
<td>1/2</td>
<td>85 ± 10</td>
<td>.44</td>
<td>41.87</td>
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<tr>
<td>5076</td>
<td>3/4</td>
<td>100 ± 10</td>
<td>.40</td>
<td>45.06</td>
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### Specifications

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>Overall length</th>
<th>Diameter</th>
<th>Weight (lb)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>602</td>
<td>1/4M x 1/4F</td>
<td>1-3/8</td>
<td>3/4</td>
<td>.15</td>
<td>7.72</td>
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<tr>
<td>602E</td>
<td>5 replacement elements for 602; specify micron rating desired (10, 20, 25, 30, 40)</td>
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### Specifications

<table>
<thead>
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<th>NPT</th>
<th>Overall length</th>
<th>Hex size</th>
<th>Weight (lb)</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
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<td>ASP3101-40</td>
<td>1/8</td>
<td>1-1/4</td>
<td>7/16</td>
<td>.04</td>
<td>7.36</td>
</tr>
<tr>
<td>ASP3101-90</td>
<td>1/8</td>
<td>1-1/4</td>
<td>7/16</td>
<td>.04</td>
<td>7.36</td>
</tr>
<tr>
<td>ASP3102-40</td>
<td>1/4</td>
<td>1-1/2</td>
<td>9/16</td>
<td>.08</td>
<td>8.85</td>
</tr>
<tr>
<td>ASP3102-90</td>
<td>1/4</td>
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</tr>
<tr>
<td>ASP3104-40</td>
<td>1/2</td>
<td>2</td>
<td>7/8</td>
<td>.86</td>
<td>11.70</td>
</tr>
<tr>
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<td>ASP3102-90</td>
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<td>7/8</td>
<td>.86</td>
<td>11.70</td>
</tr>
</tbody>
</table>
### STAINLESS STEEL BRAIDED HOSES WITH CARBON STEEL MALE PIPE ENDS

![Image of stainless steel braided hose]

All dimensions & pipe sizes are in inches

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Fitting size ( \times ) length</th>
<th>List price ($)</th>
<th>1 - 3</th>
<th>4 - 11</th>
<th>12 +</th>
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</thead>
<tbody>
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<td>MCS5012</td>
<td>1/2 ( \times ) 12</td>
<td>47.00</td>
<td>25.38</td>
<td>22.09</td>
<td>20.21</td>
</tr>
<tr>
<td>MCS5018</td>
<td>1/2 ( \times ) 18</td>
<td>52.00</td>
<td>28.08</td>
<td>24.44</td>
<td>22.36</td>
</tr>
<tr>
<td>MCS5024</td>
<td>1/2 ( \times ) 24</td>
<td>57.00</td>
<td>30.78</td>
<td>26.79</td>
<td>24.51</td>
</tr>
<tr>
<td>MCS7512</td>
<td>3/4 ( \times ) 12</td>
<td>64.00</td>
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<td>38.88</td>
<td>33.84</td>
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<td>MCS7524</td>
<td>3/4 ( \times ) 24</td>
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<td>43.20</td>
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</tr>
<tr>
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<td>43.20</td>
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<tr>
<td>MCS1018</td>
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<td>89.00</td>
<td>48.06</td>
<td>41.83</td>
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<tr>
<td>MCS1024</td>
<td>1 ( \times ) 24</td>
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<td>53.46</td>
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<td>54.00</td>
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<td>43.00</td>
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<td>124.00</td>
<td>66.96</td>
<td>58.28</td>
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<tr>
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<td>1-1/2 ( \times ) 12</td>
<td>111.00</td>
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<td>1-1/2 ( \times ) 18</td>
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<td>67.50</td>
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<tr>
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<td>1-1/2 ( \times ) 24</td>
<td>140.00</td>
<td>75.60</td>
<td>65.80</td>
<td>60.20</td>
</tr>
<tr>
<td>MCS2012</td>
<td>2 ( \times ) 12</td>
<td>135.00</td>
<td>72.90</td>
<td>63.45</td>
<td>58.05</td>
</tr>
<tr>
<td>MCS2018</td>
<td>2 ( \times ) 18</td>
<td>153.00</td>
<td>82.62</td>
<td>71.91</td>
<td>65.79</td>
</tr>
<tr>
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<td>2 ( \times ) 24</td>
<td>171.00</td>
<td>92.34</td>
<td>80.37</td>
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<td>2-1/2 ( \times ) 12</td>
<td>184.00</td>
<td>99.36</td>
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<td>228.00</td>
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<td>221.00</td>
<td>119.34</td>
<td>103.87</td>
<td>95.03</td>
</tr>
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<td>3 ( \times ) 18</td>
<td>245.00</td>
<td>132.30</td>
<td>115.15</td>
<td>105.35</td>
</tr>
<tr>
<td>MCS3024</td>
<td>3 ( \times ) 24</td>
<td>270.00</td>
<td>145.80</td>
<td>126.90</td>
<td>116.10</td>
</tr>
</tbody>
</table>
## STAINLESS STEEL BRAIDED HOSES WITH STAINLESS STEEL MALE PIPE ENDS

All dimensions & pipe sizes are in inches

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Fitting size X length</th>
<th>List price ($)</th>
<th>1 - 3</th>
<th>4 - 11</th>
<th>12 +</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSS5012</td>
<td>1/2 X 12</td>
<td>58.00</td>
<td>31.32</td>
<td>27.26</td>
<td>24.94</td>
</tr>
<tr>
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<td>34.02</td>
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<td>27.09</td>
</tr>
<tr>
<td>MSS5024</td>
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<td>29.67</td>
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<tr>
<td>MSS7512</td>
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<td>41.58</td>
<td>36.19</td>
<td>33.11</td>
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<tr>
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<td>45.9</td>
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<td>49.45</td>
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<td>52.89</td>
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<td>69.56</td>
<td>63.64</td>
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<tr>
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<td>74.52</td>
<td>64.86</td>
<td>59.34</td>
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<tr>
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<td>82.08</td>
<td>71.44</td>
<td>65.36</td>
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<td>1-1/2 X 24</td>
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<td>90.18</td>
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<td>81.27</td>
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<tr>
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<td>111.78</td>
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<td>89.01</td>
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<tr>
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<td>105.35</td>
</tr>
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<td>144.18</td>
<td>125.49</td>
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<td>133.3</td>
</tr>
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</table>
**AUTOMATIC ELECTRONIC DRAINS**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
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</thead>
<tbody>
<tr>
<td>5702S</td>
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<td>120.00</td>
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</tr>
<tr>
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<td>125.00</td>
<td>67.50</td>
<td>58.75</td>
<td>53.75</td>
</tr>
</tbody>
</table>

These timer-controlled drains are available in 115 or 230VAC, and offer true installation simplicity at the lowest possible cost. Use of a strainer is recommended to prevent clogging (see page 23). 5700 series includes Y-strainers and have Buna-N seals. Viton seals standard on others. Max. system pressure: 5700 series - 200 psi; 5800 series - 230 psi.

**OPTIMUM**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPT-25</td>
<td>1/4</td>
<td>130.00</td>
<td>70.20</td>
<td>61.10</td>
<td>55.90</td>
</tr>
<tr>
<td>OPT-33</td>
<td>3/8</td>
<td>125.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPT-50</td>
<td>1/2</td>
<td>125.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Optimum consists of an electronic timer coupled to a solenoid valve. Available for 24VDC/AC, 115VAC, or 230VAC operation, as well as stainless steel and high pressure models. Suitable for all compressed air system components (aftercoolers, dryers, filters, pressure vessels and piping), regardless of their size or capacity. Max. system pressure: 230 psi.

**SMART GUARD**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
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</thead>
<tbody>
<tr>
<td>3623-U3</td>
<td>1/2</td>
<td>425.00</td>
<td>229.50</td>
<td>199.75</td>
<td>182.75</td>
</tr>
</tbody>
</table>

A compact electronically-operated level-sensed condensate drain that offers a zero air-loss solution during the condensate discharge cycle. It can be installed in all compressed air systems with flows up to 3500 cfm. The design features new LED indication of condensate level, a robust, industrial housing, alarm function, and a 2/2 way direct-acting valve assembly. Max. operating pressure: 230 psi. Model shown is 115VAC, normally open alarm mode; call for other voltage, mode, and DC versions.

Private labeling (company name, logo, phone number) is available on some timer drain models. Please call for pricing.
TEC-11 drain for filter series

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEC-11-18</td>
<td>1/8</td>
<td>130.00</td>
<td>70.20</td>
<td>61.10</td>
<td>55.90</td>
</tr>
<tr>
<td>TEC-11-14</td>
<td>1/4</td>
<td>130.00</td>
<td>70.20</td>
<td>61.10</td>
<td>55.90</td>
</tr>
</tbody>
</table>

The TEC-11 is designed to drain condensate from all compressed air filters, regardless of filter capacity. The in-line design allows for fast efficient installation. A range of fast-fit adapters, which can be matched to any model/brand or type of filter, is available.

SMART GUARD MINI

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>3622</td>
<td>1/2</td>
<td>250.00</td>
<td>135.00</td>
<td>117.50</td>
<td>107.50</td>
</tr>
</tbody>
</table>

Efficient condensate removal in an extremely small and lightweight package. Perfect for systems with flows up to 350 cfm. Includes a test button, LED indicator light, an externally mounted valve, and removable electronic module and top cover, allowing the drain to be easily disassembled without disconnecting pipe work. Integrated mesh strainer to protect valve. An internal sensor automatically detects potential blockages and will pulsate the valve in attempt to clear them. Max. operating pressure: 230 psi. Model shown is 115VAC; call for DC and other voltage versions.

SMART GUARD HP

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>3623-H1</td>
<td>1/2</td>
<td>1350.00</td>
<td>729.00</td>
<td>634.50</td>
<td>580.50</td>
</tr>
</tbody>
</table>

Features a remote alarm contact, test button, LED indicator lights, and an optional heater for cold weather applications. Robust 2/2-way capacitive level sensor operates a direct acting valve to discharge condensate without losing valuable compressed air. Includes six foot power cord and a removable electronic module and top cover, allowing disassembly without disconnecting pipe work. Max. pressure: 725 psi. Max. flow: 3500 CFM. Model shown is 115VAC, normally open alarm mode; call for other voltage, mode, and DC versions.

TEC-44 motorized ball valve series

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEC-44-1/2</td>
<td>1/2</td>
<td>403.00</td>
<td>217.62</td>
<td>189.41</td>
<td>173.29</td>
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<tr>
<td>TEC-44-3/4</td>
<td>3/4</td>
<td>480.00</td>
<td>259.20</td>
<td>225.60</td>
<td>206.40</td>
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<tr>
<td>TEC-44-1</td>
<td>1</td>
<td>510.00</td>
<td>275.40</td>
<td>239.70</td>
<td>219.30</td>
</tr>
</tbody>
</table>

The TEC-44 incorporates a micro processor which ensures that all those heavily contaminated systems get drained on time, every time. For heavy duty applications. Units for AC operation shown; DC units available.
MECHANICAL (NON-ELECTRIC) DRAINS

SMART GUARD POD-TD

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>3805</td>
<td>1/2</td>
<td>307.00</td>
<td>165.78</td>
<td>144.29</td>
<td>132.01</td>
</tr>
</tbody>
</table>

Designed specifically for applications where electricity is difficult to provide, this drain provides effective condensate removal yet requires no electrical power. Good for systems with flows up to 3500 cfm. A newly developed 3/2-way level controlled valve principle operates a direct cylinder valve, discharging the condensate automatically from your system. There is no unnecessary compressed air lost during this process. Pressure range: 44-230 psi.

MAG-11

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAG-11</td>
<td>1/2 in - 1/8 out</td>
<td>210.00</td>
<td>113.40</td>
<td>98.70</td>
<td>90.30</td>
</tr>
</tbody>
</table>

The MAG-11 is designed to remove condensate from compressed air filters. A float in the unit’s reservoir rises as the condensate collects, and once the 8 oz capacity is reached the valve opens. When the condensate finishes draining, an internal magnet closes the valve. It is therefore ideally suited to applications where power is not available. No timers to set or plug in. Operation is automatic and without waste of valuable compressed air. Max. system pressure: 230 psi.

Mini MAG

<table>
<thead>
<tr>
<th>Part no.</th>
<th>NPT</th>
<th>List price ($)</th>
<th>1-24</th>
<th>25-49</th>
<th>50+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini MAG</td>
<td>1/2 in - 1/8 out</td>
<td>150.00</td>
<td>81.00</td>
<td>70.50</td>
<td>64.50</td>
</tr>
</tbody>
</table>

A compact version of the MAG-11 for tight installations. Max. system pressure: 230 psi.

Next Generation Trap

<table>
<thead>
<tr>
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<th>25-49</th>
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</thead>
<tbody>
<tr>
<td>EH38-0LAAA</td>
<td>259.00</td>
<td>139.86</td>
<td>121.73</td>
<td>111.37</td>
</tr>
</tbody>
</table>

Ideal for compressor applications up to 25HP (100 SCFM). Avoids blockage common to small passages in other designs, and eliminates the need for timer drains. Auto adjusts to required flow without any type of manual input. Max. system pressure: 200 psi, min. operating pressure: 40 psi, Max flow @ 100 psi: 0.2 gpm, Temp. range: 34°-170°F, Wt.: 7lbs, Inlet/outlet connections: 3/8NPT, Height: 7.2 in.

CDI/DRAIN-ALL Condensate Traps

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Model</th>
<th>List price ($)</th>
</tr>
</thead>
<tbody>
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<td>Condensate Handler</td>
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</tr>
<tr>
<td>LH50-0LAAA</td>
<td>WaterHog</td>
<td>327.00</td>
</tr>
<tr>
<td>PH50-0LAAA</td>
<td>Pressure Handler</td>
<td>1040.00</td>
</tr>
<tr>
<td>RH50-0LAAA</td>
<td>Rust Handler</td>
<td>870.00</td>
</tr>
</tbody>
</table>

Drain-All’s extensive line of patented “zero-loss” condensate traps contribute energy-saving, performance-improving functionality to many compressed air and compressed gas system applications. Drain-All’s Condensate Handler has become an industry standard for purging water from compressed air systems in a highly efficient and energy-saving way, and the same patented design has been modified to accommodate a variety of non-standard applications including high and low-pressure environments, high temperatures, and high concentrations of rust or other solids.
### PRESSURE SWITCHES

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Fixed unloader position</th>
<th>Auto on/off</th>
<th>No. of ports</th>
<th>Factory setting (psi)</th>
<th>Square D &amp; Furnace crossover</th>
<th>List price ($)</th>
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<tbody>
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<td>65-110</td>
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<td>SW35-60</td>
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<td>T</td>
<td>1</td>
<td>90-125</td>
<td>FHG-12J52X</td>
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<td>SW35-61</td>
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<td>4</td>
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<td>SW35-62</td>
<td>S</td>
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<td>4</td>
<td>90-125</td>
<td>69MB7LY2C</td>
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<td>115-150</td>
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<td>S</td>
<td>4</td>
<td>115-150</td>
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<td>95-125</td>
<td>69MB7LY</td>
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<td>22.32</td>
<td>19.43</td>
<td>17.78</td>
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<td>69MB8LY</td>
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<td>22.32</td>
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<tr>
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<td>140-175</td>
<td>FHG-52J59</td>
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<tr>
<td>SW35-72</td>
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<td>N/A</td>
<td>4</td>
<td>140-175</td>
<td>FHG-52J59X</td>
<td>37.98</td>
<td>20.51</td>
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<td>SW35-73</td>
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<td>4</td>
<td>140-175</td>
<td>69MB92YC</td>
<td>41.54</td>
<td>22.43</td>
<td>19.52</td>
<td>17.86</td>
</tr>
</tbody>
</table>

B=Bottom, T=Top, S=Side

Pressure switches are rated 1-1/2 HP @115V, 3HP @230V
PRESSURE/VACUUM GAUGES - PRICING

On the following pages you will find our extensive lineup of pressure/vacuum gauges. Please order using the numbering system on the facing page. If you do not find a suitable style, customer service will be happy to assist you. The following variations are available:

**DRY**
- Steel case with chrome ring & brass internals
- Available in 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2" diameters
- 30 psi to 15,000 psi
- Bottom or back mount
- Connection: 1/8"NPT on 1-1/2" dial gauges, 1/4" on all others

**LIQUID-FILLED**
- Stainless steel case with brass internals and glycerine fill
- Available in 1-1/2", 2", 2-1/2", 4", and 6" diameters
- Vacuum or vacuum/pressure, 30 psi to 15,000 psi
- Bottom or back mount, flanges, & U-clamps
- Connection: 1/8"NPT on 1-1/2" & 2" dials, 1/4"NPT on 2-1/2" & 4", 1/2"NPT on 4" & 6"

**TO ORDER**

**SPECIFY**
1. Diameter: 1-1/2", 2", 2-1/2", 3-1/2", 4", 4-1/2", 6"
2. Pressure range: 0-30, 0-60, etc.
3. Mounting style: bottom or back
4. Connection: 1/8", 1/4", or 1/2" NPT
5. Dry or glycerine filled

<table>
<thead>
<tr>
<th>DRY</th>
<th>Dial size</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-1/2&quot;, 2&quot;</td>
<td>9.65</td>
<td>5.21</td>
<td>4.54</td>
<td>4.15</td>
</tr>
<tr>
<td></td>
<td>2-1/2&quot;</td>
<td>12.85</td>
<td>6.94</td>
<td>6.04</td>
<td>5.53</td>
</tr>
<tr>
<td></td>
<td>4-1/2&quot;</td>
<td>42.85</td>
<td>23.14</td>
<td>20.14</td>
<td>18.43</td>
</tr>
<tr>
<td>LIQUID-FILLED</td>
<td>1-1/2&quot;, 2&quot;, 2-1/2&quot;</td>
<td>34.50</td>
<td>18.63</td>
<td>16.22</td>
<td>14.84</td>
</tr>
<tr>
<td></td>
<td>4&quot;</td>
<td>81.75</td>
<td>44.15</td>
<td>38.42</td>
<td>35.15</td>
</tr>
</tbody>
</table>

*PRICES SUBJECT TO CHANGE WITHOUT NOTICE*
All dimensions & pipe sizes are in inches

**GAUGE PART NUMBERING SYSTEM**

<table>
<thead>
<tr>
<th>TYPE/SERIES</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Steel case w/chrome ring, brass internals</td>
</tr>
<tr>
<td>2</td>
<td>Stainless steel case, brass internals</td>
</tr>
<tr>
<td>3</td>
<td>Stainless steel case, stainless steel internals</td>
</tr>
<tr>
<td>4</td>
<td>Ammonia gauge</td>
</tr>
<tr>
<td>5</td>
<td>Refrigeration gauge</td>
</tr>
<tr>
<td>SE</td>
<td>Prefix specifies glass lens</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIAL FEATURES</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Standard gauge</td>
</tr>
<tr>
<td>1</td>
<td>Removable ring, adjustable pointer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MOUNTING STYLE</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bottom Mount</td>
</tr>
<tr>
<td>2</td>
<td>Back Mount</td>
</tr>
<tr>
<td>3</td>
<td>Back Mount</td>
</tr>
<tr>
<td>4</td>
<td>U-Clamp/Panel Mount</td>
</tr>
<tr>
<td>5</td>
<td>Bottom Mount</td>
</tr>
<tr>
<td></td>
<td>Back Flange/Wall Mount</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIAL FEATURES</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Dry</td>
</tr>
<tr>
<td>L</td>
<td>Glycerine filled</td>
</tr>
<tr>
<td>S</td>
<td>Silicone filled</td>
</tr>
</tbody>
</table>

**PRESSURE RANGE**

- A = 30” Hg vac/0
- CB = 30”Hg vac/0/15 psi
- CC = 30”Hg vac/0/30 psi
- CD = 30”Hg vac/0/60 psi
- CE = 30”Hg vac/0/100 psi
- CF = 30”Hg vac/0/160 psi
- CG = 30”Hg vac/0/200 psi
- CH = 30”Hg vac/0/300 psi
- B = 0/15 psi
- C = 0/30 psi
- D = 0/60 psi
- E = 0/100 psi
- F = 0/160 psi
- G = 0/200 psi
- H = 0/300 psi
- I = 0/400 psi
- J = 0/500 psi
- K = 0/600 psi
- L = 0/800 psi
- M = 0/1,000 psi
- N = 0/1,500 psi
- O = 0/2,000 psi
- P = 0/3,000 psi
- Q = 0/4,000 psi
- R = 0/5,000 psi
- S = 0/6,000 psi
- U = 0/10,000 psi
- V = 0/15,000 psi

**CONNECTION SIZE**

- 8 = 1/8"
- 4 = 1/4"
- 2 = 1/2"
- (NPT male)

**DIAL DIAMETER**

- 15 = 1-1/2"
- 20 = 2"
- 25 = 2-1/2"
- 35 = 3-1/2"
- 40 = 4"
- 60 = 6"

**EXAMPLE:** 201L-254E - Stainless steel case w/ brass internals, standard gauge, bottom mount stem mounted, glycerine filled, 2-1/2” dial, 1/4” NPT, 0-100 psi
## DRY GAUGES

### 101D Series Bottom Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“E”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td>101D158X*</td>
<td>1-1/2</td>
<td>1.67</td>
<td>.90</td>
<td>.31</td>
<td>1.65</td>
<td>1/8</td>
<td>9.65</td>
<td>5.21</td>
<td>4.54</td>
<td>4.15</td>
</tr>
<tr>
<td>101D204X</td>
<td>2</td>
<td>2.08</td>
<td>1.10</td>
<td>.39</td>
<td>1.81</td>
<td>1/8, 1/4</td>
<td>12.85</td>
<td>6.94</td>
<td>6.04</td>
<td>5.53</td>
</tr>
<tr>
<td>101D254X</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.10</td>
<td>.39</td>
<td>2.04</td>
<td>1/4</td>
<td>18.43</td>
<td>6.04</td>
<td>5.53</td>
<td></td>
</tr>
</tbody>
</table>

* = Enter pressure range code from gauge part numbering chart

### 102D Series Center Back Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td>102D158X</td>
<td>1-1/2</td>
<td>1.67</td>
<td>.90</td>
<td>1.65</td>
<td></td>
<td>1/8</td>
<td>9.65</td>
<td>5.21</td>
<td>4.54</td>
<td>4.15</td>
</tr>
<tr>
<td>102D204X</td>
<td>2</td>
<td>2.08</td>
<td>1.10</td>
<td>1.85</td>
<td>1/8,</td>
<td>1/4</td>
<td>12.85</td>
<td>6.94</td>
<td>6.04</td>
<td>5.53</td>
</tr>
<tr>
<td>102D254X</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.10</td>
<td>1.85</td>
<td></td>
<td>1/4</td>
<td>21.14</td>
<td>10.58</td>
<td>9.69</td>
<td>8.65</td>
</tr>
<tr>
<td>102D454X</td>
<td>4-1/2</td>
<td>3.93</td>
<td>1.10</td>
<td>2.08</td>
<td></td>
<td>1/4</td>
<td>42.85</td>
<td>23.14</td>
<td>20.14</td>
<td>18.43</td>
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</table>

### 103D Series U-clamp Mount

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>103D158x</td>
<td>1-1/2</td>
<td>1.67</td>
<td>1.03</td>
<td>.61</td>
<td>1.64</td>
<td>1/8</td>
<td>2.81</td>
<td>2.00</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
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<tr>
<td>103D204x</td>
<td>2</td>
<td>2.08</td>
<td>1.17</td>
<td>.73</td>
<td>1.90</td>
<td>1/8, 1/4</td>
<td>3.48</td>
<td>2.50</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
</tr>
<tr>
<td>103D254x</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.19</td>
<td>.76</td>
<td>1.95</td>
<td>1/4</td>
<td>4.15</td>
<td>3.25</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
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</table>

### 104D Series Panel Mount

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>104D158x</td>
<td>1-1/2</td>
<td>1.67</td>
<td>1.03</td>
<td>.61</td>
<td>1.64</td>
<td>1/8</td>
<td>2.81</td>
<td>2.00</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
</tr>
<tr>
<td>104D204x</td>
<td>2</td>
<td>2.08</td>
<td>1.17</td>
<td>.73</td>
<td>1.90</td>
<td>1/8, 1/4</td>
<td>3.48</td>
<td>2.50</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
</tr>
<tr>
<td>104D254x</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.19</td>
<td>.76</td>
<td>1.95</td>
<td>1/4</td>
<td>4.15</td>
<td>3.25</td>
<td>27.00</td>
<td>14.58</td>
<td>12.69</td>
<td>11.61</td>
</tr>
</tbody>
</table>

All dimensions & pipe sizes are in inches.
All dimensions & pipe sizes are in inches

## LIQUID-FILLED GAUGES

### 201L Series Bottom Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“E”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td>201L158x</td>
<td>1-1/2</td>
<td>1.67</td>
<td>.90</td>
<td>.31</td>
<td>1.65</td>
<td>1/8</td>
<td>34.50</td>
<td>18.63</td>
<td>16.22</td>
<td>14.84</td>
</tr>
<tr>
<td>201L204x</td>
<td>2</td>
<td>2.08</td>
<td>1.10</td>
<td>.39</td>
<td>1.81</td>
<td>1/8, 1/4</td>
<td>34.50</td>
<td>18.63</td>
<td>16.22</td>
<td>14.84</td>
</tr>
<tr>
<td>201L254x</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.10</td>
<td>.39</td>
<td>2.04</td>
<td>1/4</td>
<td>81.75</td>
<td>44.15</td>
<td>38.42</td>
<td>35.15</td>
</tr>
<tr>
<td>201L404x</td>
<td>4</td>
<td>3.93</td>
<td>1.37</td>
<td>.51</td>
<td>2.95</td>
<td>1/4</td>
<td>81.75</td>
<td>44.15</td>
<td>38.42</td>
<td>35.15</td>
</tr>
</tbody>
</table>

*X = Enter pressure range code from gauge part numbering chart

### 202L Series Center Back Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“D”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1-1/2</td>
<td>1.6</td>
<td>.90</td>
<td>1.65</td>
<td>1/8</td>
<td>34.50</td>
<td>18.63</td>
<td>16.22</td>
<td>14.84</td>
</tr>
<tr>
<td>202L204x</td>
<td>2</td>
<td>2.08</td>
<td>1.10</td>
<td>1.85</td>
<td>1/8, 1/4</td>
<td>34.50</td>
<td>18.63</td>
<td>16.22</td>
<td>14.84</td>
</tr>
<tr>
<td>202L254x</td>
<td>2-1/2</td>
<td>2.49</td>
<td>1.10</td>
<td>1.85</td>
<td>1/4</td>
<td>81.75</td>
<td>44.15</td>
<td>38.42</td>
<td>35.15</td>
</tr>
<tr>
<td>202L404x</td>
<td>4</td>
<td>3.93</td>
<td>1.37</td>
<td>2.08</td>
<td>1/4</td>
<td>81.75</td>
<td>44.15</td>
<td>38.42</td>
<td>35.15</td>
</tr>
</tbody>
</table>

### 203L Series U-clamp Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
<th>“E”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td>203L158x</td>
<td>1-1/2</td>
<td>1.85</td>
<td>1.02</td>
<td>0.72</td>
<td>1.74</td>
<td>1/8</td>
<td>2.75</td>
<td>48.50</td>
<td>26.19</td>
<td>22.80</td>
<td>20.86</td>
</tr>
<tr>
<td>203L204x</td>
<td>2</td>
<td>2.28</td>
<td>1.18</td>
<td>0.94</td>
<td>2.08</td>
<td>1/8, 1/4</td>
<td>3.13</td>
<td>2.05</td>
<td>2.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>203L254x</td>
<td>2-1/2</td>
<td>2.80</td>
<td>1.34</td>
<td>0.94</td>
<td>2.28</td>
<td>1/4</td>
<td>3.84</td>
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<td>2.48</td>
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</tbody>
</table>

### 204L Series Panel Mount

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Dial diameter</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
<th>“E”</th>
<th>Port size (NPT)</th>
<th>List price ($)</th>
<th>1-49</th>
<th>50-249</th>
<th>250+</th>
</tr>
</thead>
<tbody>
<tr>
<td>204L158x</td>
<td>1-1/2</td>
<td>1.85</td>
<td>1.02</td>
<td>0.72</td>
<td>1.74</td>
<td>1/8</td>
<td>2.46</td>
<td>48.50</td>
<td>26.19</td>
<td>22.80</td>
<td>20.86</td>
</tr>
<tr>
<td>204L204x</td>
<td>2</td>
<td>2.28</td>
<td>1.18</td>
<td>0.94</td>
<td>2.08</td>
<td>1/8, 1/4</td>
<td>2.81</td>
<td>2.05</td>
<td>2.05</td>
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<td></td>
</tr>
<tr>
<td>204L254x</td>
<td>2-1/2</td>
<td>2.80</td>
<td>1.34</td>
<td>0.94</td>
<td>2.28</td>
<td>1/4</td>
<td>3.45</td>
<td>2.48</td>
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</tr>
</tbody>
</table>

Phone: 727-535-3200  www.penningtonassociates.com  Sales office hours: 8 AM to 5 PM Eastern
Fax: 727-533-9696  email: sales@penningtonassociates.com
# TANK KITS

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Tank size (gal)</th>
<th>SCFM @ 200 psi</th>
<th>Safety valve thread (NPT)</th>
<th>Net price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK12080-*</td>
<td>20-80</td>
<td>178</td>
<td>1/4</td>
<td>35.00</td>
</tr>
<tr>
<td>TK12230-*</td>
<td>80-120</td>
<td></td>
<td>4/4</td>
<td>40.00</td>
</tr>
<tr>
<td>TK12240-*</td>
<td>120-240</td>
<td>358</td>
<td>1/2</td>
<td>55.00</td>
</tr>
<tr>
<td>TK12400-*</td>
<td>400-500</td>
<td></td>
<td>1/2</td>
<td>65.00</td>
</tr>
<tr>
<td>TK66106-*</td>
<td>660-1060</td>
<td>1624</td>
<td>1</td>
<td>105.00</td>
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<tr>
<td>TK15500-*</td>
<td>1500+</td>
<td></td>
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<td>130.00</td>
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</tbody>
</table>

* Indicate desired valve relief pressure setting

All kits include: drain kit fittings, safety valve, manual ball valve, and pressure gauge

## Options:

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Add’l charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>65.00</td>
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<tr>
<td>4</td>
<td>35.00</td>
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<td>F</td>
<td>65.00</td>
</tr>
<tr>
<td>V1</td>
<td>15.00</td>
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<tr>
<td>V2</td>
<td>25.00</td>
</tr>
<tr>
<td>Z</td>
<td>230.00</td>
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<tr>
<td>MAG</td>
<td>100.00</td>
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## TANK KIT ACCESSORIES

- **A**  
- **4**  
- **F**  
- **V1 or V2**  
- **Z**
All dimensions & pipe sizes are in inches

## ANTI-VIBRATION PADS

### CORK & RUBBER

<table>
<thead>
<tr>
<th>Part no.</th>
<th>List price, each ($)</th>
<th>1-48</th>
<th>49-96</th>
<th>97+</th>
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<tbody>
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<td>7.25</td>
<td>3.92</td>
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<td>3.12</td>
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<table>
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<td>138.00</td>
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<td>64.86</td>
<td>59.34</td>
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</table>

- Highest quality elastomer; oil resistant padding.
- Designed to withstand 50 lbs. per square inch.
- Rubber pads are corrugated on both sides.
- Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.
### OIL/WATER SEPARATORS

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
<th>Net price ($)</th>
</tr>
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<tbody>
<tr>
<td>9703JA</td>
<td>Puro CT 125 (Synthetic Oils)</td>
<td>345.00</td>
</tr>
<tr>
<td>9703JB</td>
<td>Puro CT 125 (Polyglycol Oils)</td>
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<tr>
<td>9707JA</td>
<td>Puro CT 250 (Synthetic Oils)</td>
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<td>Puro CT 250 (Polyglycol Oils)</td>
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<td>9715JA</td>
<td>Puro CT 600 (Synthetic Oils)</td>
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<td>9715JB</td>
<td>Puro CT 600 (Polyglycol Oils)</td>
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<table>
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<tr>
<td>9602</td>
<td>Sepremium 70 SCFM</td>
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<td>9513</td>
<td>Sepremium 125 SCFM</td>
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<td>Sepremium 125 SCFM - Polyglycol</td>
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</table>

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
<th>Net price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9605-JN</td>
<td>Sepremium 175 SCFM</td>
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<tr>
<td>9610-JN</td>
<td>Sepremium 350 SCFM</td>
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<tr>
<td>9620-JN</td>
<td>Sepremium 750 SCFM</td>
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<td>9630-JN</td>
<td>Sepremium 1250 SCFM</td>
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<td>9660-JN</td>
<td>Sepremium 2500 SCFM</td>
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</table>

<table>
<thead>
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<tr>
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<td>535.00</td>
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<td>9610-PG-JN</td>
<td>Sepremium 350 SCFM Polyglycol</td>
<td>735.00</td>
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<td>9620-PG-JN</td>
<td>Sepremium 750 SCFM Polyglycol</td>
<td>1265.00</td>
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<td>9630-PG-JN</td>
<td>Sepremium 1250 SCFM Polyglycol</td>
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<td>9660-PG-JN</td>
<td>Sepremium 2500 SCFM Polyglycol</td>
<td>3525.00</td>
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<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
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<tbody>
<tr>
<td>9605-JC</td>
<td>Sepremium 175 SCFM Rotolject</td>
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<tr>
<td>9610-JC</td>
<td>Sepremium 350 SCFM Rotolject</td>
<td>735.00</td>
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<td>9620-JC</td>
<td>Sepremium 750 SCFM Rotolject</td>
<td>1265.00</td>
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<td>9630-JC</td>
<td>Sepremium 1250 SCFM Rotolject</td>
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<tr>
<td>9660-JC</td>
<td>Sepremium 2500 SCFM Rotolject</td>
<td>3525.00</td>
</tr>
</tbody>
</table>

JORC also offers replacement filters for competitor’s separators. Call for pricing.
ConDePhase® Plus is an oil-water separator built specifically for compressor condensate disposal. The ConDePhase® Plus oil/water separator is simple, automatic and the best economical solution for oily compressor condensate disposal. To add to its ease of use, the ConDePhase® Plus uses gravity separation, which means it doesn’t need to be plugged in, has no moving parts, and is virtually maintenance free. Inlet connection is female 1/2 NPT; oil drain is female 3/4 NPT.

<table>
<thead>
<tr>
<th>Model no.</th>
<th>Part code</th>
<th>Tank capacity (gals)</th>
<th>Dimensions (H x L x W)</th>
<th>Water drain size (female NPT)</th>
<th>Weight (lbs)</th>
<th>Price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ConDePhase® Plus - 15</td>
<td>349009</td>
<td>15</td>
<td>30-1/4 x 23-1/2 x 11-3/4</td>
<td>3/4</td>
<td>33</td>
<td>1090.00</td>
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<tr>
<td>ConDePhase® Plus - 30</td>
<td>349019</td>
<td>30</td>
<td>34-1/4 x 27-1/2 x 13-3/4</td>
<td>3/4</td>
<td>56</td>
<td>1667.00</td>
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<tr>
<td>ConDePhase® Plus - 80</td>
<td>349024</td>
<td>80</td>
<td>48-1/4 x 31-1/2 x 15-3/4</td>
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<tr>
<td>ConDePhase® Plus - 160</td>
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<td>160</td>
<td>52-1/4 x 42-1/2 x 20-3/4</td>
<td>1</td>
<td>170</td>
<td>3814.00</td>
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<tr>
<td>ConDePhase® Plus - 200</td>
<td>349015</td>
<td>200</td>
<td>54 x 48 x 24</td>
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<td>ConDePhase® Plus - 300</td>
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<td>300</td>
<td>60 x 57 x 28</td>
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<td>ConDePhase® Plus - 400</td>
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<td>400</td>
<td>72 x 57 x 29</td>
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ConDePhase® Plus Replacement Filters

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<th>Model no.</th>
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<th>Application</th>
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<tr>
<td>CPF-003</td>
<td>349026</td>
<td>CDP Plus 15</td>
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<tr>
<td>CPF-005</td>
<td>349027</td>
<td>CDP Plus 30</td>
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<tr>
<td>CPF-016</td>
<td>349028</td>
<td>CDP Plus 80</td>
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<tr>
<td>CPF-030</td>
<td>349029</td>
<td>CDP Plus 160, 200, 300</td>
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<td>CPF-055</td>
<td>349030</td>
<td>CDP Plus 400</td>
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</tr>
<tr>
<td>Expansion chamber</td>
<td>349032</td>
<td>All units</td>
<td>Call for price</td>
</tr>
</tbody>
</table>
DESICCANTS and CLEANERS

ACTIVATED ALUMINA

- Used primarily for air drying and low temperature applications.
- Three bead sizes available.
- Large porosity and surface area promote efficient air drying.
- Very stable physically and chemically, even in high temperature and corrosive environments.
- Molecular sieve and deliquescent also available; call for pricing.
- Free shipping on 40 bags or more originating from our Broadview, IL facility.

SILICA GEL

<table>
<thead>
<tr>
<th>SORBEAD® blue silica gel desiccant</th>
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<td>-----------</td>
</tr>
<tr>
<td>34189</td>
</tr>
<tr>
<td>34417</td>
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</tbody>
</table>

Sublime is the Solution!
Sublime is a water-based solvent enhanced with wetting agents, corrosion inhibitors and degreasing compounds. It is designed to penetrate and remove encrusted lime scale, rust, dirt and corrosion by-products from water-wetted internal surfaces of commercial and industrial processing equipment.

<table>
<thead>
<tr>
<th>Product</th>
<th>1 gal (6/case)</th>
<th>5 gal pail</th>
<th>30 gal drum</th>
<th>55 gal drum</th>
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<tbody>
<tr>
<td>* Alimex (Descaler)</td>
<td>108.00</td>
<td>86.00</td>
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<td>* Morcon-10 (Cement Remover)</td>
<td>104.00</td>
<td>82.00</td>
<td>470.00</td>
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<td>* Sublime™ (Descaler)</td>
<td>100.43</td>
<td>79.96</td>
<td>461.56</td>
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<td>* Sum-Kool™ (Descaler)</td>
<td>168.00</td>
<td>136.00</td>
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<td>* Sure-Clean (Industrial Degreaser)</td>
<td>86.86</td>
<td>68.57</td>
<td>389.71</td>
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<td>* XTRA-Clean (Industrial Degreaser)</td>
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<td>78.00</td>
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<td>350</td>
<td>303</td>
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</table>

See pages 4 - 7 for ordering information.
### Kunkle Series 6000 Industrial Safety Valves

**Flow chart (scfm)**

<table>
<thead>
<tr>
<th>Pressure setting (psig)</th>
<th>Order code and orifice size (in²)</th>
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<tbody>
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<td>D (.121)</td>
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<tr>
<td>25</td>
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<td>652</td>
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<tr>
<td>300</td>
<td>673</td>
</tr>
</tbody>
</table>

See page 18 for ordering information.
Compressed air systems can accumulate as much as 30 gal of water a day! Use the chart below to estimate your system’s output. Then check out our complete line of mechanical and electronic drains on pages 36 thru 38 to help you get rid of it.

**Basics of Compressed Air**

At 100 psig, an air compressor compresses eight cubic feet of air into one cubic foot.

The water vapor, dust, dirt and odors in the air cause the following problems in compressed air systems:
- Paint defects or fish eye
- Rust and pipe scale
- Damages machinery
- Creates air line freezes
- Shortens air tool or equipment life
- Reduces air flow

When compressed to 100 psig, the air becomes 1/8 its previous size. The volume of air has changed, but the amount of water, vapor, dust, dirt and odors has not changed but just become more concentrated.

**Water Factor Chart**

Follow the steps below to determine the gallons of water accumulated by a compressed air system per 8 hours of use:

1. Determine the ambient temperature (outside temperature surrounding the dryer) and relative humidity.
2. Locate ambient temperature in first column of water factor chart.
3. Follow the row over to percent of humidity. This indicates the number of gallons accumulated by your air compressor in an 8-hour period.

**EXAMPLE**

25 HP air compressor delivers 100 scfm.

Ambient Temperature = 100°F
Relative Humidity = 60%

Water factor chart number is 31.2

Compressed air system accumulates 31.2 gallons of water per 8 hours of use.

**Gallons of Water Per 8 Hours @ 100 SCFM**

<table>
<thead>
<tr>
<th>Ambient Air Temperature</th>
<th>20% Humidity</th>
<th>30% Humidity</th>
<th>40% Humidity</th>
<th>50% Humidity</th>
<th>60% Humidity</th>
<th>70% Humidity</th>
<th>80% Humidity</th>
<th>90% Humidity</th>
<th>100% Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>120°F</td>
<td>18.6</td>
<td>27.9</td>
<td>37.2</td>
<td>46.5</td>
<td>55.8</td>
<td>65.1</td>
<td>74.4</td>
<td>83.7</td>
<td>93.0</td>
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<tr>
<td>110°F</td>
<td>14.1</td>
<td>21.0</td>
<td>27.9</td>
<td>36.1</td>
<td>42.0</td>
<td>48.9</td>
<td>55.8</td>
<td>63.0</td>
<td>69.9</td>
</tr>
<tr>
<td>100°F</td>
<td>10.5</td>
<td>15.6</td>
<td>20.7</td>
<td>26.1</td>
<td>31.2</td>
<td>36.6</td>
<td>41.7</td>
<td>46.8</td>
<td>52.2</td>
</tr>
<tr>
<td>90°F</td>
<td>7.8</td>
<td>11.4</td>
<td>15.3</td>
<td>19.2</td>
<td>23.1</td>
<td>26.7</td>
<td>30.6</td>
<td>34.5</td>
<td>38.4</td>
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<td>80°F</td>
<td>5.7</td>
<td>8.4</td>
<td>11.1</td>
<td>13.8</td>
<td>16.8</td>
<td>19.5</td>
<td>22.2</td>
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TERMS:

- Completed credit applications are required for all new accounts.
- $25.00 minimum order.
- Master Card, Visa, and American Express accepted.
- Open accounts are net 30 days.
- Unless otherwise requested, orders are shipped FedEx Ground. UPS, motor freight, collect, and third party billing available.
- A handling fee will be charged on all UPS and FedEx orders.
- Products shown in catalog are not guaranteed for a particular purpose and are warranted by the manufacturer.
- Prices are subject to change without notice.
- Fax or email a copy of your tax exempt certificate or ID to qualify for tax-exempt status.

RETURN POLICY:

- It is the customer’s responsibility to inspect all packages for damage before signing delivery receipt.
- Pennington & Associates will only accept returns with prior authorization. Call or email us to obtain a Return Goods Authorization (RGA) number. The RGA number will be valid for 30 days only. The following information must also accompany the package upon return:
  - Original Invoice #
  - Date of purchase
  - Your PO #
  - Reason for return
  - Pennington & Associates Authorized RGA #
- Returns to Pennington & Associates or the manufacturer must be shipped UPS or freight prepaid. Units received at Pennington & Associates shipped freight collect or without RGA information will be refused and returned at customer’s expense.
- Items must be returned in original packaging and in re-sellable condition. If they are found to be defective, the items will be replaced or a credit issued according to the terms of the manufacturer’s warranty.
- Returns of non-defective products will be subject to a 25% re-stocking charge.
- Overshipments or incorrect shipments must be returned freight prepaid after an RGA is issued. We will credit your freight cost.
- Warranty replacement parts in stock at our Clearwater warehouse will be shipped FOB Clearwater, FL.

This symbol identifies products proudly made by our suppliers in the USA.
All items on the same page are American-made.

Pennington & Associates, a woman-owned business, is proud to be an Earth-friendly supplier. We recycle packaging containers and packing material as much as possible, and encourage our employees to recycle all aluminum cans, paper, cardboard, and plastic. Our hazardous waste (electronics, fluorescent tubes, batteries, chemicals) is removed to an off-site facility for proper disposal.