Pre-engineered solutions for your application!

ProMinent offers a variety of pre-engineered fabricated metering and control packages, as well as, design and fabrication of custom systems.

All North American system packages are fully assembled and tested for pressure and hydrostatics prior to shipment. This guarantees a fully functional and high quality system package upon delivery.

Production capabilities include socket weld, threaded, and thermal fusion piping, system assembly, equipment support and testing, including criteria for electrical, control, mechanical, and aesthetic features.

Features and benefits

- More than 10 years experience engineering industry leading systems
- Cost effective and quick turnaround due to standard designs, fabrication and materials across North America (US and Canada)
- Proven engineering and field success
- Consistent designs regardless of materials
- Standard primary/backup arrangements
- Designed for easy maintenance
- Wall or floor mount designs
- Integrated auto-degassing configurations for off-gassing applications
- Optional UL listed and labelled control panels (US)
- Easy access to pump liquid end for on-site repair and retrofitting

ProMinent® NA Standard Floor Mount Skid

ProMinent systems can be built with (optional) integrated control panels that are UL listed and labelled accordingly.

Applications

- Municipal and industrial wastewater treatment
- Chemical process
- Pulp and paper
- Municipal potable water
- Power generation
- Bleach addition
Low capacity applications: 0.19-8.4 gph (0.72-31.8 l/h)

Available Optional Components

A: Reinforced PVC tubing
B: Diaphragm type backpressure/anti-siphon valve
C: Diaphragm type in-line pressure relief valve
D: Location of “Y” strainer
E: Pulsation Dampener
F: Calibration Column
G: Metering Pump (Gamma/ L or Sigma Series)
H: Ball Valve
I: Pressure Gauge
J: Product Inlet
K: Product Outlet
L: Vent to Tank
M: Duplex Receptacle*
N: Termination Box*
O: Flush Valve
P: Backup Pump
Q: Flow Monitor

* (M) & (N) are not standard: Items shown for layout purposes only.

Floor mounted solenoid system:
SS1-PCB1C01111111

Wall mounted solenoid system:
SS1-PCB2D01111111

Floor mounted solenoid system:
SS2-PCB1C01111111

Wall mounted solenoid system:
SS2-PCB2C01111111
Mid capacity applications: 5.2–264 gph (19.7–1000 l/h)

Floor mounted motor driven system:
MS1A-PCB1C01111

Floor mounted motor driven system:
MS2C-PCB1B01111

Wall mounted motor driven system:
MS1A-PCB2C01111

Wall mounted motor driven system:
MS2A-PCB2C01111

Sample NA standard system designs for diverse applications
### Standard component sizing data

#### Solenoid Pump Type Choices:

<table>
<thead>
<tr>
<th>SS1(or 2)-</th>
<th>A</th>
<th>1000, 1601, 1602</th>
<th>Calibration Column</th>
<th>Pulsation Dampener</th>
<th>Flow Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>1000, 1601, 1602 Degassing</td>
<td>100 ml</td>
<td>164 ml</td>
<td>Size I</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>All Others (1005, 0708, 0413, 0220, 1605, 1008, 0713, 0420, 0232) Degassing</td>
<td>500 ml</td>
<td>164 ml</td>
<td>Size II</td>
</tr>
</tbody>
</table>

#### Motorized Pump Type Choices:

<table>
<thead>
<tr>
<th>MS1(or 2)-A-</th>
<th>A-050</th>
<th>12017, 12035, 10050, 10022, 10044 (Sigma 1)</th>
<th>Cal. Column</th>
<th>Puls. Dampener</th>
<th>Flow Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS1(or 2)-A-</td>
<td>B-050</td>
<td>07065 (Sigma 1)</td>
<td>1/2&quot;</td>
<td>500 ml</td>
<td>164 ml</td>
</tr>
<tr>
<td>MS1(or 2)-A-</td>
<td>C-050</td>
<td>12050 (Sigma 2)</td>
<td>1/2&quot;</td>
<td>1000 ml</td>
<td>600 ml</td>
</tr>
<tr>
<td>MS1(or 2)-B-</td>
<td>A-075</td>
<td>07042 (Sigma 1)</td>
<td>3/4&quot;</td>
<td>500 ml</td>
<td>600 ml</td>
</tr>
<tr>
<td>MS1(or 2)-B-</td>
<td>B-075</td>
<td>04084, 04120, 12090 (Sigma 1 &amp; 2)</td>
<td>3/4&quot;</td>
<td>1000 ml</td>
<td>600 ml</td>
</tr>
<tr>
<td>MS1(or 2)-B-</td>
<td>C-075</td>
<td>12130 (Sigma 2)</td>
<td>3/4&quot;</td>
<td>2000 ml</td>
<td>600 ml</td>
</tr>
<tr>
<td>MS1(or 2)-B-</td>
<td>D-075</td>
<td>07120 (Sigma 2)</td>
<td>3/4&quot;</td>
<td>2000 ml</td>
<td>1393 ml</td>
</tr>
<tr>
<td>MS1(or 2)-B-</td>
<td>E-075</td>
<td>07220 (Sigma 2)</td>
<td>3/4&quot;</td>
<td>4000 ml</td>
<td>1393 ml</td>
</tr>
<tr>
<td>MS1(or 2)-C-</td>
<td>A-100</td>
<td>120145, 120190 (Sigma 3)</td>
<td>1&quot;</td>
<td>2000 ml</td>
<td>1393 ml</td>
</tr>
<tr>
<td>MS1(or 2)-C-</td>
<td>B-100</td>
<td>04350, 120270 (Sigma 2 &amp; 3)</td>
<td>1&quot;</td>
<td>4000 ml</td>
<td>1393 ml</td>
</tr>
<tr>
<td>MS1(or 2)-D-</td>
<td>A-150</td>
<td>070410, 070580, 040830 (Sigma 3)</td>
<td>1-1/2&quot;</td>
<td>10000 ml</td>
<td>2867 ml</td>
</tr>
</tbody>
</table>

Please consult factory for detailed information on components.

### Liquid end materials in contact with media

<table>
<thead>
<tr>
<th>Version</th>
<th>Liquid End</th>
<th>Suction/Discharge valves</th>
<th>Seals</th>
<th>Valve balls</th>
<th>Diaphragm*</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVT</td>
<td>*PVDF</td>
<td>*PVDF</td>
<td>PTFE</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>PPE</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>EPDM</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>PPB</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Viton®</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>PCE</td>
<td>PVC</td>
<td>PVC</td>
<td>EPDM</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>PCB</td>
<td>PVC</td>
<td>PVC</td>
<td>Viton®</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>NPE</td>
<td>Acrylic</td>
<td>PVC</td>
<td>EPDM</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>NPB</td>
<td>Acrylic</td>
<td>PVC</td>
<td>Viton®</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>TTT</td>
<td>PTFE with carbon</td>
<td>PTFE with Carbon</td>
<td>PTFE</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
<tr>
<td>SST</td>
<td>316 Stainless steel</td>
<td>316 Stainless Steel</td>
<td>PTFE</td>
<td>Ceramic</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

*Highly compatible material suitable for most fluids.
Auto-degassing type with Hastelloy C valve spring and PVDF valve seat available with solenoid systems (Gamma/ L).
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