The best of both worlds!

ProMinent® offers the revolutionary drive concept optoDrive® for the first time in its new delta® series. The delta® series includes diaphragm-type metering pumps designed for delivery rates of 3.2 gph at 232 psi (12 l/h at 16 bar) and up to 21 gph at 29 psi (80 l/h at 2 bar). Due to its wide adjustment range – both the stroke length and the stroke rate can be varied – this output range is covered by only four different pump sizes. This reduces the variety of replacement parts and therefore the operating costs. The pumps are just as easy to operate as the popular ProMinent® gamma/ L and Sigma series.

Applications

- Bleach and other off-gassing fluid applications
- Water and wastewater treatment
- Highly automated processes in nearly all industries
- Cooling tower and boiler water treatment

Features and benefits

- Continuous or pulsating metering without the need for a separate dampener
- Automatic compensation for fluctuations in backpressure without the need for a separate backpressure valve
- optoGuard® technology ensures flow verification without the need for a separate flow monitor
- Automatic detection of blocked or broken points in the system
- Metering accuracy due to simplification of the control loop
- Superior economy due to lack of necessary optional accessories and fewer spare parts
- The duration of the suction stroke can be matched to the dosing medium preventing cavitation with effervescent media.

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Capacity data

<table>
<thead>
<tr>
<th>delta® Pump Type</th>
<th>psig (bar)</th>
<th>gph (l/h)</th>
<th>strokes/min.</th>
<th>suction Lift mWG</th>
<th>suction/Discharge connectors in.</th>
<th>DN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1612</td>
<td>232 (16)</td>
<td>3.2 (12)</td>
<td>200</td>
<td>6</td>
<td>1/2&quot; MNPT</td>
<td>10</td>
</tr>
<tr>
<td>1020</td>
<td>145 (10)</td>
<td>5.3 (20)</td>
<td>200</td>
<td>5</td>
<td>1/2&quot; MNPT</td>
<td>10</td>
</tr>
<tr>
<td>730</td>
<td>102 (7)</td>
<td>7.9 (30)</td>
<td>200</td>
<td>5</td>
<td>1/2&quot; MNPT</td>
<td>10</td>
</tr>
<tr>
<td>450</td>
<td>58 (4)</td>
<td>13.2 (50)</td>
<td>200</td>
<td>3</td>
<td>1/2&quot; MNPT</td>
<td>10</td>
</tr>
<tr>
<td>280</td>
<td>29 (2)</td>
<td>21.1 (80)</td>
<td>200</td>
<td>2</td>
<td>1/2&quot; MNPT</td>
<td>10</td>
</tr>
</tbody>
</table>

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>*PVT</td>
<td>*PVT</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.
Viton® is a registered trademark of DuPont Dow Elastomers.