CVI PD 3000

Technical Index

**Pump ID Meaning**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Cylinder and buffer tank filling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquids pumped</td>
<td>LO₂, LN₂, LAr, LCO₂, LN₂O, LNG, LH₂</td>
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<tr>
<td>Drive type</td>
<td>Grease lubricated crank drive</td>
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<tr>
<td>Design pressure</td>
<td>6000 PSI (up to 9000 PSI upon request) Available in DUAL and triple units</td>
</tr>
</tbody>
</table>

**Test Procedure**

Each pump manufactured by CRYOSTAR is mechanically and cryogenically tested prior to shipment in our state-of-the-art testing facility to ensure that performance meets customer specification. The precision of measuring devices provides essential results: differential head, flow rate, seal gas consumption, pump efficiency, NPSH, noise and vibration levels — all documented and submitted to the customer.

**Quality**

Designed in compliance with guidelines like IGC 11/82 norm
**Features**

The PD 3000 is designed with main components that are proven to provide maximum performance and long service life with minimum maintenance and easy service.

- Operate at slower speeds than competitive pumps
- Heavier, moisture-sealed drive-end bearing
- All bearings are retained in split/bolted housing for easy replacement
- Replaceable crosshead wear band eliminates excessive wear and frequent replacement of crosshead piston. Wear band can be changed quickly and easily
- Longer connecting rod for reduced crosshead loading
- Self-adjusting, spring-energized pushrod shaft seal contained in simple cartridge housing for easy replacement through hand-access opening
- Superinsulated vacuum sump

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**Options**

- Double pushrod gas seal assembly
- Purged drive assembly
- Pushrod seal covers with gaskets
- Discharge check valve
- Uninsulated, braided, stainless steel flex lines
- Shaft-seal temperature-shutdown control system
- Permissive start and shutdown control system
- Automatic unloader control system, using pneumatic or solenoid valves
- Custom systems quoted on request

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For more details please contact your local Cryostar representative