PD TECH

This system has been developed to work in boosting and lifting applications where constant pressure is needed.

PD TECH brings the latest in technology for water pump control and operation.

Variable Frequency Drives, in addition to maintaining the pressure in the system, provide protection of the pump. By monitoring the pumps' electrical parameters, our controllers can prevent the pumps from working under harmful conditions such as motor overload, dry running, working with broken pipes, etc.

**FEATURES**

- Easy Installation and configuration.
- Controlled start and stop of operation.
- Lower power demand and controlled acceleration.
- Extended Motor Life.
- Energy savings allow for shortened payback period.

**THIS SYSTEM INCLUDES:**

- Pressure Tank 5 GL
- Stainless Steel Base
- Check Valve at Suction
- Stainless Steel Fittings
- Self-priming Multistage Pump
- Variable Frequency Drive
- Bluetooth Technology
- Control Remote through Nastec NOW App
  Available for smartphones and tablets with Bluetooth 4.0 IOS and Android v.4.2 or later.
OPERATING CONDITIONS

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

CONSTRUCTION

- Horizontal multi-stage, self-priming, close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.

OPERATING CONDITIONS

- Rated frequency: 50-60 hz (+/- 2%)
- Ambient temperature: -10 - 40 °C (14 - 104 °F)
- Protection degree: ip55
- Analog inputs (10 o 15 vdc): 1. 4-20 Ma  2. 4-20 Ma 3. 0-10 Vdc   4. 0-10 Vdc
- Digital inputs: 4 digital inputs, configurable n.O. Or n.C. For motor run/stop

VARIABLE FREQUENCY DRIVE

MIDA

- Energy savings due to variable speed control.
- Soft start and soft stop.
- Complete pump protection with Built-in protections against: Over/Under voltage, Over-current and no load, Dry running, Over-temperature.
- Extended system life and reliability.
- Installation on humid and dusty environments made possible by IP55 (NEMA 4)
- Easy and fast programming thanks to initial configuration wizard.
- Unmatched user experience. Thanks to Nastec NOW app it is possible to communicate with the VFD via Bluetooth.
- Danfus transducer 0-250 PSI, 4 -20 MH

DISCHARGE MANIFOLD,
SUCTION CHECK VALVE AND
DISCHARGE BALL VALVE IN
STAINLESS STEEL 304

- Reinforced Steel Base with Electrostatic Paint Coating

TANK

MNP

ENSURES THE BEST PERFORMANCE.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>VOL. GAL</th>
<th>CONNECTIONS</th>
<th>TOTAL DRAWDOWN 20-40 PSI GAL</th>
<th>30-50 PSI GAL</th>
<th>40-60 PSI GAL</th>
<th>WT LBS</th>
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<tr>
<td>MNP18S</td>
<td>IN LINE</td>
<td>5</td>
<td>1&quot; SS MALE</td>
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FITTINGS AND ACCESSORIES

Discharge Manifold, Suction Check Valve and Discharge Ball Valve in Stainless Steel 304
MXA PUMP SPECIFICATION

CONSTANT PRESSURE PUMP SYSTEMS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PUMP</th>
<th>HP</th>
<th>SYSTEM VOLTAGE</th>
<th>VFD</th>
<th>MAX. AMP</th>
<th>SUCT.</th>
<th>DISCH</th>
<th>WEIGHT [Lbs]</th>
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<tbody>
<tr>
<td>PDTECH2SM 15G70P</td>
<td>MXA30 15H36S</td>
<td>1 1/2</td>
<td>230 V (1 PH)</td>
<td>MIDA 207</td>
<td>7.8 A</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
<td>190</td>
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<td>PDTECH2SE 15G70P</td>
<td>MXA30 15H36S</td>
<td>1 1/2</td>
<td>230 V (1 PH)</td>
<td>E-POWER</td>
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<td>1 1/4&quot;</td>
<td>205</td>
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CONSTANT PRESSURE PUMP SYSTEMS DELUXE FOR SULFUR WATER

<table>
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<tr>
<th>MODEL</th>
<th>PUMP</th>
<th>HP</th>
<th>SYSTEM VOLTAGE</th>
<th>VFD</th>
<th>MAX. AMP</th>
<th>SUCT.</th>
<th>DISCH</th>
<th>WEIGHT [Lbs]</th>
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<td>MIDA 207</td>
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<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
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<td>230 V (1 PH)</td>
<td>E-POWER</td>
<td>7.8 A</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
<td>205</td>
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