PulsaPro® 880
HYDRAULIC DIAPHRAGM METERING PUMP

PulsaPro® 880 is a positive displacement, leak-free, hydraulically balanced diaphragm metering pump, engineered for precise dosing and long-term dependability, delivering superior value. It offers a diverse range of fluid handling solutions with unique pump head designs consisting of HYDRAtube® or flat diaphragm types, each available in a variety of wet-end materials. PP880 features immediate visual intelligence about pump and system performance. It complies with the API 675 standard for use in oil & gas, petrochemical, chemical processing, power generation, and water & wastewater treatment industries.

Applications
- corrosion inhibitors
- anti-scalants
- slurries
- Sodium Hypochlorite
- disinfection
- pH and odor control

Flow
up to 115 gph (435.3 lph)

Pressure
up to 3,100 psi (213.7 bar)

Temperature
up to 250°F (121°C)

Standard materials of construction
- Wet end: 316LSS, GF-PTFE, PVC
- Diaphragm: PTFE
- Valve ball: 316LSS, Alumina Ceramic
- Valve seat: 316LSS, PVC, GF-PTFE
- Valve gaskets: PTFE
- Pump body: Cast Iron

Connection types
- NPT
- Raised-face flange

Controls
- Manual stroke length control
- Electronic stroke length control

Leak detection
- PULSAlarm®
- Pressure based
- IP66, NEMA Type 4X, NEMA TYPE 7

Multiplex configurations
- up to 17 pumps

HYDRAtube design
- The solution for shear sensitive and high viscosity fluids
- Straight flow-through path
- Double diaphragm safety
- Optional slurry valves
- Robust Ductile Iron housing
- Elastomeric HYDRAtube
- ChemAlarm® leak detection

Applications
- corrosion inhibitors
- anti-scalants
- slurries
- Sodium Hypochlorite
- disinfection
- pH and odor control

Flow
up to 115 gph (435.3 lph)

Pressure
up to 3,100 psi (213.7 bar)

Temperature
up to 250°F (121°C)

Standard materials of construction
- Wet end: 316LSS, GF-PTFE, PVC
- Diaphragm: PTFE
- Valve ball: 316LSS, Alumina Ceramic
- Valve seat: 316LSS, PVC, GF-PTFE
- Valve gaskets: PTFE
- Pump body: Cast Iron

Connection types
- NPT
- Raised-face flange

Controls
- Manual stroke length control
- Electronic stroke length control

Leak detection
- PULSAlarm®
- Pressure based
- IP66, NEMA Type 4X, NEMA TYPE 7

Multiplex configurations
- up to 17 pumps

HYDRAtube design
- The solution for shear sensitive and high viscosity fluids
- Straight flow-through path
- Double diaphragm safety
- Optional slurry valves
- Robust Ductile Iron housing
- Elastomeric HYDRAtube
- ChemAlarm® leak detection
Pulsafeeder, Inc.
2883 Brighton Henrietta Town Line Rd.
Rochester, NY 14623
Phone: +1 (585) 292-8000
pulsa@idexcorp.com  •  pulsa.com
Pulsafeeder is an ISO 9001 Certified Company.

**DIMENSIONS**
Approximate shipping weight: 95 lb. (43 kg.)

The dimensions given may differ depending on pump configuration.

**FEATURES & BENEFITS**
- Unique 3 valve hydraulic management system makes the PulsaPro pump resilient to system upset
- **Hydraulic performance valve** maintains optimum diaphragm position and allows low NPIP of 5 psi (0.345 bar)
- **Push-to-prime valve** allows quick manual priming of the hydraulic system in addition to automatic air bleeding
- Externally adjustable **hydraulic by-pass valve** protects against over-pressurization
- Four bolt tie bar design provides ultimate resistance to piping moments and forces
- Three component check valves for controlled fluid displacement, assuring reliable hydraulic operation
- Manual stroke length adjustment with resolution of 0.5% for set point accuracy and optional electronic stroke length adjustment with 5x improved resolution

**CUSTOM ENGINEERING**
- Compatible materials: Alloy C, Alloy 20, Monel®, DuplexSS, Titanium, PVDF
- Minimum temperature to -10°F (-23°C)
- Degass Valve
- Chemical feed systems
- Application consulting

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials</td>
<td>316LSS, PVC, GF-PTFE</td>
</tr>
<tr>
<td>Diaphragm type</td>
<td>Flat, Tube</td>
</tr>
<tr>
<td>Max temp</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>Min temp</td>
<td>40°F (4.4°C)</td>
</tr>
<tr>
<td>Motor power</td>
<td>up to 0.5 hp (0.37 kW)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5%</td>
</tr>
<tr>
<td>Motor frame</td>
<td>NEMA 56C, 143/5TC IEC 71B14, 80B14, 90B14</td>
</tr>
<tr>
<td>Standards</td>
<td>API 675, CE, ATEX</td>
</tr>
</tbody>
</table>

**FLOW & PRESSURE ENVELOPE**

DISCHARGE PORT
SUCTION PORT

- 3,100 psig (213.7 bar)
- Approximate shipping weight: 95 lb. (43 kg.)