SERIES 500 HYDRAULIC DIAPHRAGM METERING PUMPS

Bi-Directional Motor option eliminates the need to set rotation when moving between pivots – pump runs in either rotation.

- Teflon® diaphragm and viton “o” rings withstand most chemicals
- All 316SS wetted metal parts

Neptune Series 500 “dia-PUMPS”
Flange-Mounted Motor: 3ph-230/460VAC-60-TEFC

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>HP</th>
<th>CAPACITY (GPH) AT 100 PSI</th>
<th>PISTON DIAMETER (INCHES)</th>
<th>STROKES PER MINUTE</th>
<th>STYLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>547-SE-N3T</td>
<td>1/3</td>
<td>30</td>
<td>1.187</td>
<td>144</td>
<td>Simplex</td>
</tr>
<tr>
<td>565-S-N3T*</td>
<td>1/2</td>
<td>65</td>
<td>2.0</td>
<td>117</td>
<td>Simplex</td>
</tr>
<tr>
<td>567-S-N3T*</td>
<td>1/2</td>
<td>80</td>
<td>2.0</td>
<td>144</td>
<td>Simplex</td>
</tr>
</tbody>
</table>

*EZE-CLEAN™ Valves: Cartridges are removable without disturbing piping

DUPELEX: Combine any two models with same stroking speed. Other sizes available.

Innovative Design
Quality Workmanship
Long-Term Reliability

Neptune has manufactured reliable metering pumps for over 50 years.
EZE-Grab FERTILIZER PUMP PLATFORMS

**Purpose**
A one-piece molded polyethylene platform with hand grips to allow easy handling of fertilizer pumps. Unit integrates pump controls and wiring for complete portability.

**Features**
- Strong, lightweight polyethylene base (order pump separately)
- Resistant to corrosion
- Electrical controls for 3 phase 460 volt motors are standard; 12VDC and 115VAC available as options
- Manual motor starters provided for AC units include adjustable overload protection
- 12 volt units include solenoid to automatically disconnect motor from battery when system shuts down
- 12 ft. power cord

**Optional accessories include:**
- Suction Assembly
- Discharge Assembly
- Injectors
- Discharge Bleeder Assembly

**INJECTION QUILLS**

Injection Quills allow chemicals to be injected into the turbulent flow near the center of the line, providing more uniform dispersion.

The Disk Type Check and Seat are located at the tip of the quill to allow constant flushing.

- Provides back pressure to insure metering accuracy
- Prevents back flow
- Prevents bleed through when water pressure is low or line is drained
- Prevents siphoning when metering pumps are off and line is flowing

Mount directly to a coupling in the sidewall of lines 6 inches and larger. For smaller lines the quill may be mounted to a coupling attached to a nipple (of the length required), to hold the tip of the quill near the center of the line.

**PART NUMBER**
- PPQ50
- SSQ75
- SSQ100

**LINE CONN. NPT**
- 3/4"
- 3/4"
- 1"

**INLET CONN. NPT**
- 1/4"
- 1/2"
- 3/4"

**FLOW**
- 50 GPH
- 200 GPH
- 300 GPH

**BODY MATERIAL**
- PP
- SS
- SS

**CHECK MATERIAL**
- Viton
- Viton
- Viton

**SPRING MATERIAL**
- 316SS
- 316SS
- 316SS

**MAX. PRESSURE**
- 150 psi
- 150 psi
- 150 psi

**MAX. TEMP.**
- 120°F
- 150°F
- 150°F

* At 50-PSI Differential  ** Glass Filled Polypropylene