



Penn Valley Pump Company, Inc.

The World Leader in Free-Diaphragm® Pumping Technology

Model 4DDSX30 Double Disc Pump™

Features and Benefits:

- Patented “Maintain-in-Place” design allows servicing w/out disturbing piping
- Only 5 wetted components
- Self-priming with high suction lifts
- Seal-less design, no packing or mechanical seals, no seal water required
- Runs dry without damage
- No check valves, no fouling problems
- Passes up to 1” solids and line size semi-solids
- No routine maintenance required
- Compact design
- Two (2) year warranty



The Ultimate in Sludge Pumps™

Technical Specifications:

| | |
|---------------------|--|
| Typical Flow Range: | Up to 190 GPM |
| Displacement: | 0.30 gallons/revolution |
| Operating Speeds: | Up to 500 RPM |
| Discharge Pressure: | Up to 60psi operating Up to 110psi stall pressure |
| Suction Pressure: | 28ft. lift to 30psi |
| Fittings: | 4” 150# Flanged |

Materials of Construction:

| | | | |
|--------------------|----------------------------|-----------|---|
| Housings: | Cast iron | Optional: | Lined with Hypalon, Neoprene, PVC, Tungsten Carbide, others |
| Elastomers: | Neoprene | | Buna-N, EPDM, Hypalon, HNBR, Viton, others |
| Connecting Rods: | High-tensile Aluminum | | |
| Drive Shaft: | High-tensile 400 Series SS | | |
| Eccentric Cams: | High tensile bronze alloy | | |
| Bearing Pedestals: | Aluminum | | |
| Frame and Covers: | 304SS | Optional: | 316SS, Galvanized Steel |

Drives:

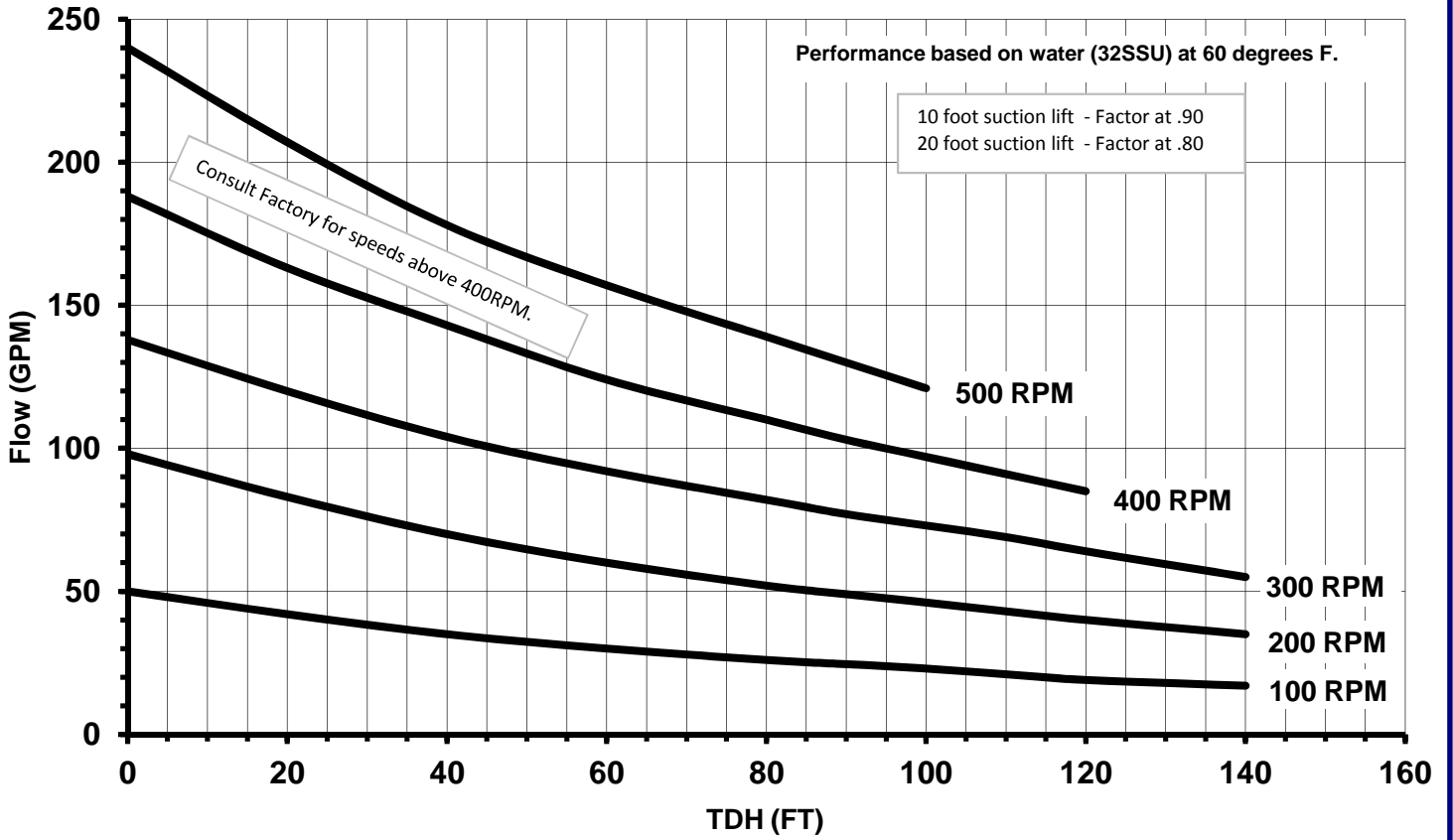
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|-----------|---------------------------------|-----------|--|
| Static: | Electric belt and pulley | Optional: | Gear reduced direct drive, Air and Hydraulic motor |
| Portable: | Electric, Gas and Diesel Engine | | |

4DDSX30 DOUBLE DISC PUMP™

Performance Curve

Performance based on water (32SSU) at 60 degrees F.

10 foot suction lift - Factor at .90
20 foot suction lift - Factor at .80



Power Consumption Curve

Performance based on water (32SSU) at 60 degrees F.

