

The only submersible pump with no mechanical seals, no wear plates and no internal friction.

Features

- Very High Flow Rates
- High Vertical Head Pressure
- Self Priming
- Run Dry Technology
- Variable Speed & Flow
- Small Portable Size
- Advanced Metallurgy
- NO Mechanical Seals
- NO Internal Friction
- Low Maintenance Design
- Twin Shaft Bearings for Long Life
- Designed for Solids & Slurry Jobs
- No shaft couplings, fewer parts
- **Larger 1.5" Shaft with 17.4 material upgrade**



Model FF 4 D CS SS

Fast Flow's patented double suction technology produces superior flow rates and high head pressures. It is the only line of submersible pumps with no mechanical seals and no internal friction allowing the pump to run dry or cavitate. The high efficiency hydraulic motors have several advantages over electric submersibles.

Competitive Advantages

- Heat treated cast pump housing for long life
- Lighter than other submersible pumps
- Aluminum or stainless steel frame available
- Cost effective compared to other pumps
- Simple design allows for easy servicing
- Field service in under an hour
- Pumps 100 barrels of 15 pound drill mud in 9 min
- Easily field repairable by any mechanic
- Minimizes costly pump repairs
- Anti clog double suction technology
- Pumps heavy oil field drill mud & solids

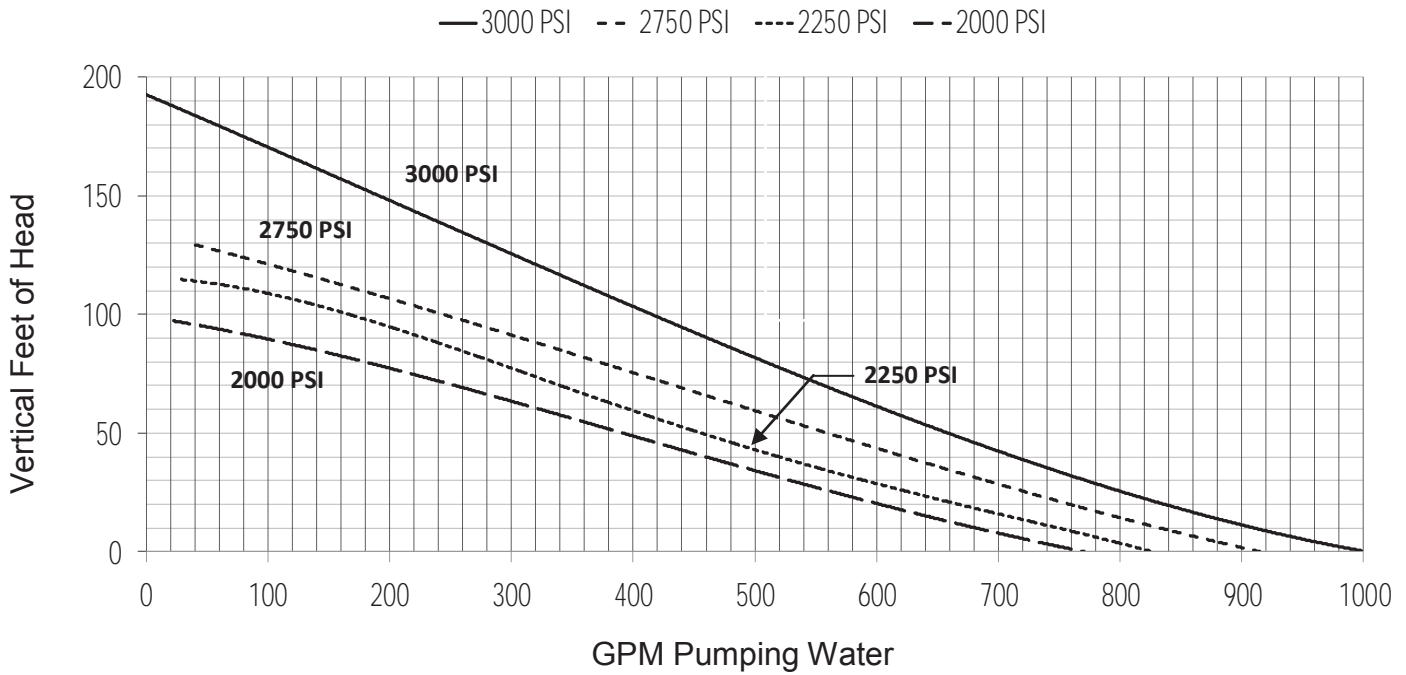
Fast Facts

Weight:	131 Pounds
Max Water Flow:	1000 GPM
Vertical Head:	195 Feet Max
Operating PSI:	2000 to 3000 PSI
Hydraulic Flow:	4 to 30 GPM
Power Source:	Hydraulic Driven
Material:	Ductile Iron
Discharge:	4" Male Cam Lock
Dimensions:	22" x 17" x 15"
Hydraulic Oil:	AW-32 or AW-46
Frame:	316 L, 1/4 " Plates

USPTO # **8,152,443 • 7,442,003 • 6,942,448**



4" Ductile Iron Compression Shaft SS Pump Curve



OIL WELL CELLAR PUMPING



Applications

- Drill rig, well cellar pumping
- Solids slurry pumping
- Refinery tank clean outs
- Heavy solids pumping
- Oil field applications
- Disaster response
- Reserve pit pumping
- Oil spill clean up
- Barge pumping
- Sewage pumping
- Irrigation systems
- Salvage jetting and pumping
- Agriculture pond pumping
- Coal mine pumping
- Frac tank cleaning
- Heavy crude pumping
- Paraffin crude pumping
- Diesel and jet fuel pumping
- Oil well blow out cleanup
- Drill mud mixing/ pumping
- Water pumping
- Charge pump
- Vacuum truck assist
- Fly ash pumping
- Pit dewatering
- Directional drilling
- Construction dewatering
- Flood water abatement
- Utility break locations
- Vessel dewatering