

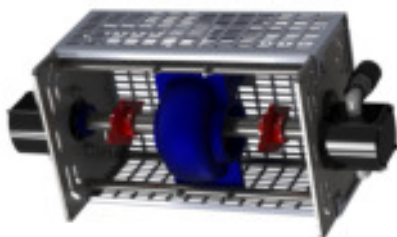
The only submersible pump with no mechanical seals, no shaft bearings, no wear plates and no internal friction.
Truly run dry technology.

Features

- Designed for Severe Service
- Pumps Heavy Solids
- Very High Flow Rates
- High Vertical Head Pressure
- Self Priming
- Indefinite Run Dry Technology
- Variable Speed & Flow
- Durable Steel Pump Parts
- Twin Agitators
- NO Internal Friction
- NO Mechanical Seals



Model FF-4D-TA



The Fast Flow 4" Severe Service Pump is made to be a survivor. All the pump's critical components are upgraded: including a heat-treated ductile iron impeller and volute, hardened 17-4 drive shaft, and stainless couplings. The two efficient hydraulic gear motors are self lubricated by the hydraulic fluid powering the pump. There are absolutely no wear plates, no pump bearings and no mechanical seals to replace in the pump.

Competitive Advantages

- Drill rig well cellar pumping
- Handles abrasive solids pumping applications
- Pump 20lb(9kg) per gallon(3L) oilfield slurries
- Anti-clog twin motor, double suction technology
- Lightweight dredge at 230LBS (104kg)
- Durable steel pump parts for long life
- Aluminum or stainless steel frame
- Cost effective compared to other pumps
- Field service in under an hour
- Features top lifting ring and debris cage
- Optional high strength twin agitators available
- Twin hydraulic motors self lubricate

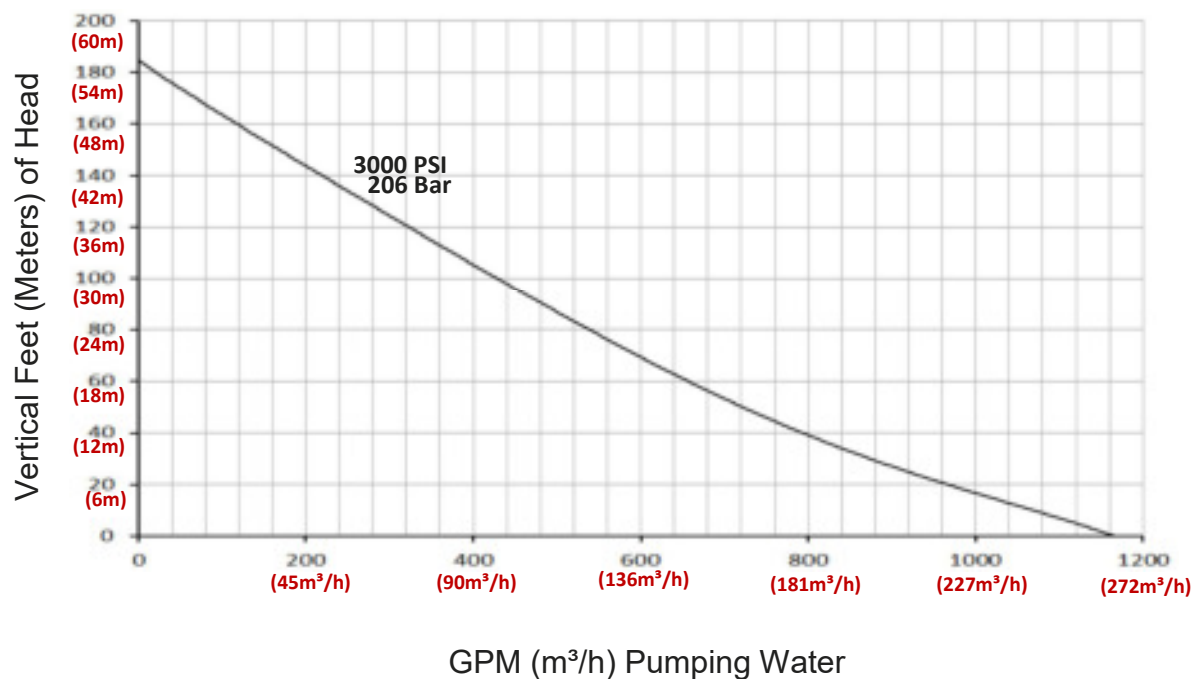
Fast Facts

Weight:	210lb (95 kg)
Max Water Flow:	1325 GPM (5015 LPM)
Max Vertical Head:	200 Feet (61m)
Operating PSI:	1500-3000 PSI (103-206 Bar)
Hydraulic Flow:	8 to 32 GPM (30-106 lpm)
Power Source:	Hydraulic Driven
Material:	Hardened Ductile
Discharge:	4" Male Cam Lock
Dimensions:	35"x15"x16" (89cm x 38cm x 41cm)
Hydraulic Oil:	AW-32 or AW-46



Fast Flow Applications

4" Twin Motor Twin Agitator Pump Curve



Applications

Refinery coke pit pumping
Light dredging
Heavy solids pumping
Industrial lagoon slurry
Refinery tank clean out
Petroleum tank cleaning
Heavy solids pumping
Oil spill response
Barge cleaning operations
Heavy crude pumping
Paraffin crude pumping

Frac tank cleaning
Oil rig well cellar pumping
Sewage solids pumping
Disaster response
Contaminated waste pumping
Agriculture pond aeration
Mud slurry pumping
Reserve pit pumping
Oil well blowout cleanup
Drill mud preparation
Water pit pumping

Vacuum truck assist
Fly ash pumping
Pit dewatering
Directional drilling
Construction dewatering
Floodwater abatement
Utility break locations
Vessel dewatering
Industrial waste pumping
Clarifier pumping
Coal fines pit pumping

The Light Dredging Alternative

No other pump has the features of a Fast Flow Severe Service pump. There are no pump mechanical seals or wear plates and no internal pump friction, keeping maintenance costs low. A single pump handles heavy solids and viscous fluids better than an arsenal of air diaphragm pumps and is a fraction of the price of other dredge pumps. The twin agitators can move a high concentration of heavy solids like silt, mud and industrial waste making this pump an ideal replacement for larger more costly models.

Fast Flow, LLC and Fast Flow Pumps manufactured pumps are protected under; 35 U.S.C., 37 C.F.R. and 18 U.S.C. Fast Flow, LLC and Fast Flow manufactured pumps are covered by one or more of the following patents:

United States Patent Number (s): 6,942,448; 7,442,003; 8,152,443; 10,138,891; Other Patents pending approval. Pump curve & capacities represent the pump moving water at an elevation of sea level. Many variables can affect actual pumping performance.