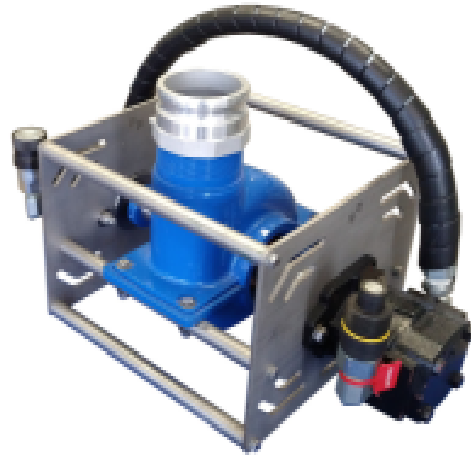


The only submersible pump with no mechanical seals, no shaft bearings, no wear plates and no internal friction.
Truly run dry technology.

Features

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



Model FF-4D-TM

The Fast Flow 4" twin motor pump is designed to pump difficult to pump media where other pumps experience mechanical seal failure. Clarifiers, oilfield waste and large diameter tanks all contain solids that the Fast Flow Pumps are specifically designed to handle. Two efficient hydraulic gear motors are self lubricated by the hydraulic fluid powering the pump and are specifically engineered to keep contaminants out. There are absolutely no wear plates, mechanical seals or impeller to housing contact that are effected by using a Fast Flow Pump in difficult applications.

4" DUCTILE IRON TWIN MOTOR PUMP

Competitive Advantages

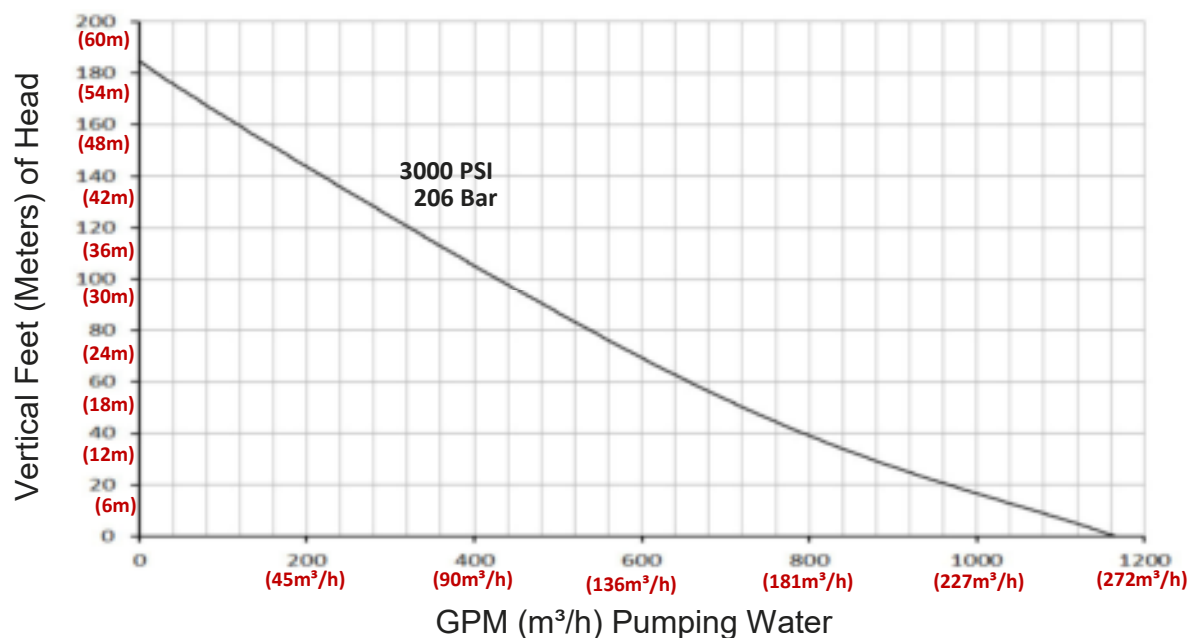
- Designed for severe service applications
- Handles abrasive solids pumping applications
- Pump 20lb(9kg) per gallon(3L) oilfield slurries
- Anti-clog twin motor
- Double suction technology
- Hardened ductile iron castings for long life
- Optional stainless steel pump components
- Cost effective compared to other pumps
- Easy to maintain and service
- Features top lifting ring and debris cage
- Optional high strength twin agitators available
- Twin hydraulic motors self lubricate
- Flush face—dry break hydraulic fittings

Fast Facts

Weight:	200lb (91kg)
Max Water Flow:	1200 GPM (4542 LPM)
Max Vertical Head:	215 Feet (65m)
Operating PSI:	1500-3000 PSI (103-206 Bar)
Hydraulic Flow:	8 to 28 GPM (30-106 lpm)
Power Source:	Hydraulic Driven
Material:	Hardened Ductile
Discharge:	4" Male Cam Lock
Dimensions:	28"x15"x 17" (71cm x 38cm x 43cm)
Hydraulic Oil:	AW-32 or AW-46

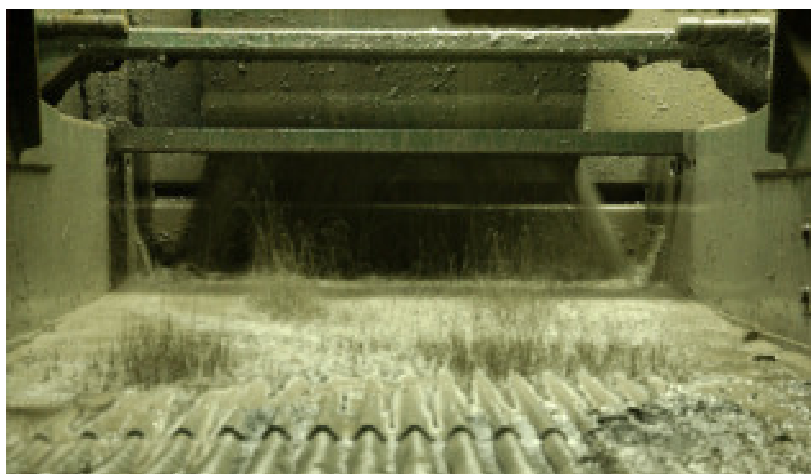
Fast Flow Applications

4" Ductile Iron Twin Motor Pump Curve



Applications

- Oil rig well cellar pumping
- Reserve pit pumping
- Clarifier pumping
- Pit slurry pumping
- Petroleum tank cleaning
- Sewage solids pumping
- Heavy solids pumping
- Disaster response
- Oil well blowout cleanup
- Drill mud preparation
- Directional drilling
- Oil spill response
- Barge cleaning operations
- Heavy crude pumping
- Paraffin crude pumping
- Refinery tank clean out
- Agriculture pond aeration
- Vacuum truck assist
- Fly ash pumping
- Construction dewatering
- Floodwater abatement
- Utility break locations
- Vessel dewatering
- Industrial waste pumping
- API Separator pumping



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.