

## Features

- Very High Flow Rates
- High Vertical Head Pressure
- Self Priming
- Variable Speed & Flow
- Small Portable Size
- Durable Ductile Iron
- NO Mechanical Seals
- Fits in Manhole
- NO Internal Friction
- Low Maintenance Design
- Explosionproof



**Model FF-3D-SM**

**3" DUCTILE IRON PUMP**

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. The high efficiency hydraulic motors have several advantages over electric submersibles. Next generation castings are heat treated for pumping abrasive slurry solids.

## Competitive Advantages

- Lightweight and portable at 42 LBS (21 kg)
- Durable cast ductile iron for long life
- Single person can lift and position
- Cost effective compared to other pumps
- Simple design allows for easy servicing
- Field service in under an hour
- Replacement parts shipped anywhere
- Easily repairable by average technician
- Reduces costly pump rebuilding
- Anti-clog double suction technology
- Pumps heavy oilfield drill mud & solids
- Proven reliable design

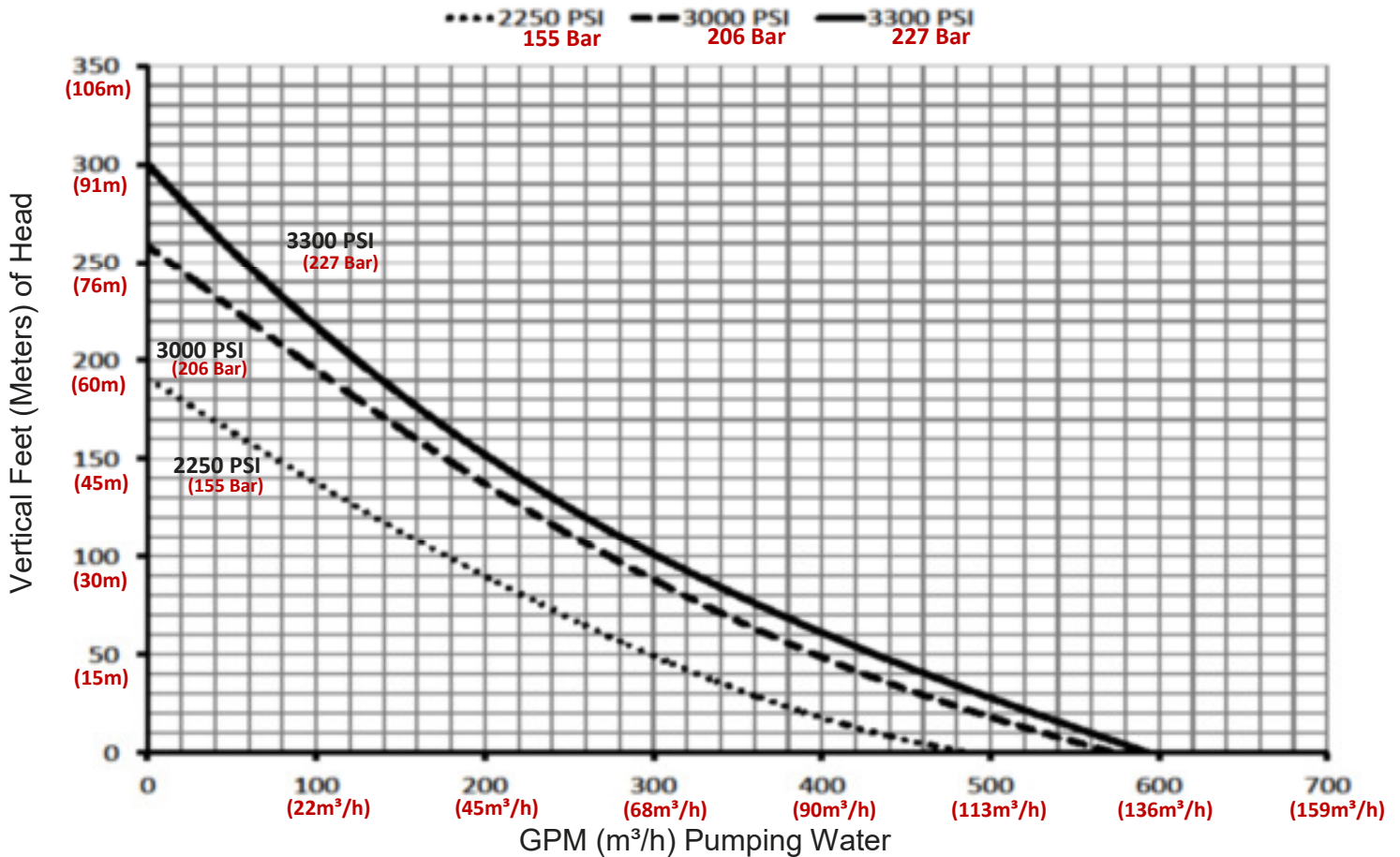
## Fast Facts

Weight:	42lb (21.7kg)
Max Water Flow:	1200GPM (4542m <sup>3</sup> /h)
Max Vertical Head:	300 Feet (91.4 Meters)
Operating PSI:	1500-3000PSI (103-206 Bar)
Hydraulic Flow:	5 to 20 GPM (19-75 lpm)
Power Source:	Hydraulic Driven
Material:	Ductile Iron
Discharge:	3" Male Cam Lock
Dimensions:	16"x10"x12" (40cm x 25cm x 30cm)
Hydraulic Oil:	AW-32 or AW-46



# Fast Flow Applications

## 3" Ductile Iron Pump Curve



## Applications

Mud slurry pumping  
 Frac tank cleaning  
 Reserve pit pumping  
 Refinery tank clean out  
 Heavy solids pumping  
 Oil spill response & skimmer  
 Drill mud mixing  
 Petroleum tank cleaning  
 Diesel and jet fuel pumping  
 Barge cleaning operations  
 Wash down pumping

Sewage pit pumping  
 Irrigation aeration systems  
 Disaster response  
 Contaminated waste  
 Salvage jetting and pumping  
 Agriculture pond pumping  
 Coal mine dewatering  
 Heavy crude pumping  
 Paraffin crude pumping  
 Rail car cleaning  
 Forestry firefighting

Oil well blowout cleanup  
 Charge pump  
 Vacuum truck assist  
 Fly ash pumping  
 Pit dewatering  
 Directional drilling  
 Construction dewatering  
 Floodwater abatement  
 Utility break locations  
 Vessel dewatering  
 Well cellar 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.