



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

## Features

- Preferred tank cleaning pump
- Double Bottom Suction
- **Pumps down to 1"**
- Very High Flow Rates
- High Vertical Head Pressure
- Run Dry Technology
- Variable Speed & Flow
- Small Portable Size
- Corrosion Resistant Aluminum
- Fits in A Manhole
- NO Internal Friction
- NO Mechanical Seals
- Low Maintenance Design



Model FF 3 A LL

**Fast Flow's "Low Level" Pumps with twin bottom suction are ideal for confined entry, tank and barge cleaning. Alone, these pumps move fluid down to 1" in the tank. When this pump is coupled to a vacuum truck virtually all of the fluid can be removed. The Fast Flow Low Level Pump easily handles heavy weight mud and solutions without the clogging that plagues traditional diaphragm pumps. When combined with a 3D wash-down system, confined entry cleaning becomes faster and safer.**

## Competitive Advantages

- Ideal for confined entry & tank cleaning
- Pumps solids lower than other submersibles
- Pump 10x faster than a diaphragm pump
- Can easily pass viscous fluids & mud solids
- Can assist vac-truck pumps for heavy fluids
- Lightweight and Portable at 43 LBS
- Single person can lift and position
- Corrosion resistant aluminum for long life
- Flame Spray coatings available
- Cost effective compared to other pumps
- Simple design allows for easy servicing
- Reduces costly pump rebuilding

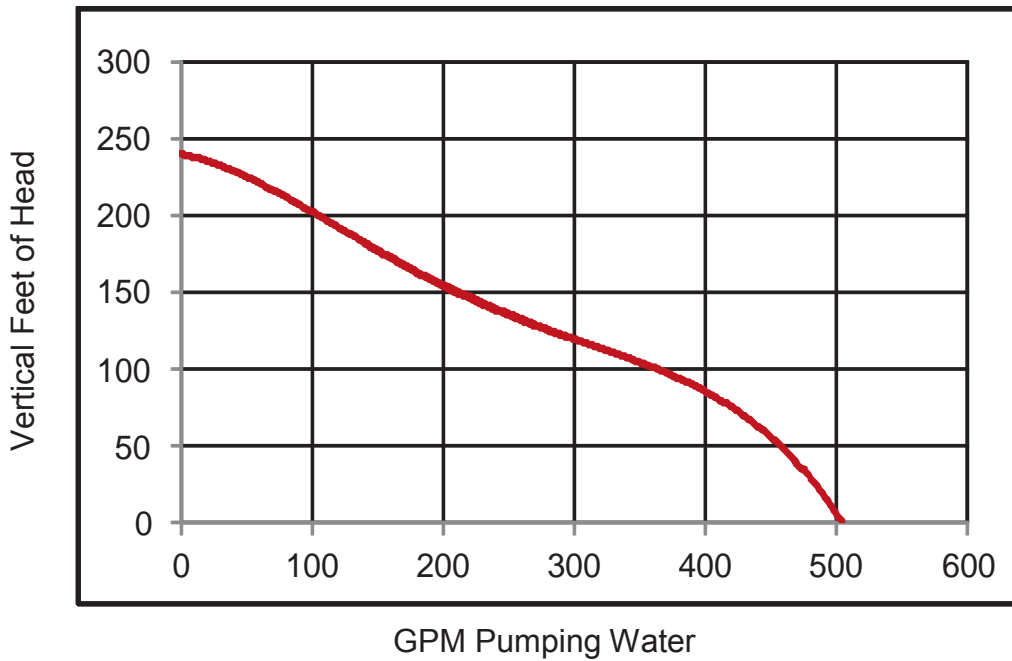
## Fast Facts

Weight:	43 Pounds
Max Water Flow:	500 GPM
Vertical Head:	230 Feet Max
Operating PSI:	2800 to 3000 PSI
Hydraulic Flow:	4 to 20 GPM
Power Source:	Hydraulic Driven
Material:	Aluminum
Discharge:	<b>3" Male Cam Lock</b>
Dimensions:	<b>24" x 10" x 11"</b>
Hydraulic Oil:	AW-32 or AW-46

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## 3" Aluminum Low Level Pump Curve



## Applications

- Refinery maintenance
- Oil field applications
- Solids slurry pumping
- Rail car cleaning
- Oil spill clean up
- Barge pumping
- Oil storage maintenance
- Disaster response
- Contaminated waste pumping
- Slurry pumping
- Heavy crude pumping
- Refinery tank clean outs
- Confined space entry cleaning
- Low tank level pumping
- Diesel and jet fuel pumping
- Diaphragm pump replacement
- Vacuum truck support
- Oil sludge pumping
- Tanker truck cleaning
- Municipal tank cleaning



The Fast Flow Low Level Pump can **pump down to less than 1"**. This revolutionary pump technology moves heavy solids better than traditional centrifugal pumps & can replace virtually an arsenal of air diaphragm pumps. When this pump is coupled to the suction of a vacuum truck, virtually all of the fluid can be evacuated.



**75' Jet of water from a 3" Low Level Pump and a 1" discharge coupling**



**Fast Flow "low level" pump dual bottom inlets**