

Sludge Master Pumping System

Features

- Steel construction
- Flows to 250 GPM
- Solids handling to 3-1/2 in. diameter
- Discharge pressure up to 150 PSI
- Anti-clog ball valve design
- Adjustable flows and pressures
- Self trouble shooting valves
- Self priming-pulls full vacuum
- Low maintenance
- Mobile, lightweight
- Force feed augers are available

Applications

- Chemicals
- Environmental, pit cleaning
- Oil spill response
- Waste water
- Filter cakes
- Pulp and paper, rail car
- Viscous materials
- Sludge injection
- Paint and hazardous sludges
- Crude and #6 oil (bottoms)
- Tank bottom sludges
- Special processes



This hydraulically-driven, piston pumping system is designed to pump heavy sludges, slurries and other viscous materials that contain solids and impurities. The pumping system has a flow rate up to 250 gallons per minute. The self-priming Sludge Master, which is virtually leak proof, can dry run for a limited time without damage. It features low maintenance with no diaphragms that can burst under pressure or mechanical seals to fail.

The integral hydraulic power unit is custom designed to drive the Sludge Master's reciprocating pistons. The hydraulic power unit includes the engine (diesel or electric), hydraulic reservoir, hydraulic control unit, oil cooler and interconnecting hoses. The hydraulic power unit can be located remotely, as far as 200 feet from the Sludge Master pump.

The Sludge Master pump passes solids such as rags, rocks, nuts, bolts, Tyvec suits, rubber gloves, rope and more without damage to the system and is designed to operate while pumping hazardous chemical materials.



Specifications

Sludge Master Pump	Hydraulic Power Unit
<ul style="list-style-type: none"> • Cast iron and steel construction • Sealed ball valve control on each cylinder • Dual 12" cylinders capable of moving approximately five gallons per stroke • 55 strokes-per-minute maximum • Viton O-rings throughout • Nitrile gaskets and polymite packed seals on cylinders and valves • 4" inlet/discharge • Approximately 1000 lbs., 73" W x 24" D x 37" H 	<ul style="list-style-type: none"> • 30 HP diesel engine with 30 gallon fuel tank • 60 gallon hydraulic oil reservoir • Skid mounted, ready for trailer mount • Hydraulic oil cooler • Needle control valve • Hydraulic flow control valve • Pulsation stabilizer