

HIGH VISCIOUS DRUM PUMPS

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Progressing Cavity Type Screw Pumps are designed for pumping light to highly viscous liquids. The Progressing cavity design ensures smooth and non pulsating flow and ideal for the gentle transfer of viscous liquids.

WORKING PRINCIPLE

Pumping action starts the instant, the ROTOR turns. Liquid enters the pump suction under pressure as the ROTOR turns within the STATOR thus forming tightly sealed cavities which moves the liquid toward the Outlet. Liquid acts as lubricant between the rotor and stator.

HIGH VISCIOUS MOTORISED DRUM PUMP



ADVANTAGES OF MOTORISED TRANSFLO DRUM PUMP

- ▶ Material of construction in SS 316 / 304.
- ▶ Maximum flow rate 60 Kgs /Minute. consult Factory.
- ▶ Max discharge pressure up to 12 bar. Consult Factory.
- ▶ Generates differential head up to 100 Mtrs for thin bodied liquids.
- ▶ The flow rate is approximately proportioned to speed.
- ▶ Pumping pressure does not depend upon the speed.
- ▶ ROTORS are made of Stainless Steel 316 material.
- ▶ STATORS are metal tubes with internally molded synthetic rubber & available in Viton, Hypalan, Neoprene, EPDM and Buna - N.

DRIVE - ELECTRICAL MOTORS

Electric Motors are TEFC type with ON-OFF switch & 5 Mtr Electric cord, continuous duty rated, 3 Phase/ 1 Phase.

DRIVE - AIR MOTORS

Air Motor is a radial piston type with in built air regulating valve. Air inlet size -1/2". Air Motor automatically cools down due to expansion of compressed air. Use of Air Filter regulator ad lubricating unit is recommended before/at the point of use of Air Motor.

Working Principle of Progressing Cavity Pump.



APPLICATION

Suitable for highly viscous liquid such Resins, Adhesives, Glues, Honey, Glycerin, liquid Soap, Bitumen, malt - Extract, Cream, Petroleum jelly, Wax Grease, Starch, Polyol, Shampoo, Syrups etc.

TECHNICAL SPECIFICATION

MODEL	MAX FLOW RATE	MAX HEAD	MOTOR DETAIL	TOTAL WEIGHT	TYPE OF DRIVE
SS PUMP WITH 51 MM DIA METERS STATOR					
A 40 HVS51 E / 1.0	20 Kg / Min	6 Bar	1.0 HP / 3 Ph / 960 RPM	23 Kgs	Non Flameproof
A 40 HVS51 E / 1.5	20 Kg / Min	6 Bar	1.5 HP / 3 Ph / 960 RPM	25 Kgs	Non Flameproof
A 40 HVS51 EFLP / 1.0	20 Kg / Min	6 Bar	1.0 HP / 3 Ph / 960 RPM	53 Kgs	Flameproof
A 40 HVS51 EFLP / 1.5	20 Kg / Min	6 Bar	1.5 HP / 3 Ph / 960 RPM	55 Kgs	Flameproof
A 40 HVS51 A / 0.5	15 Kg / Min	6 Bar	0.5 HP / 15 CFM / 750 RPM	11 Kgs	Air Driven
SS PUMP WITH 44 MM DIA METERS STATOR					
A 40 HVS44 E / 1.0	40 Kg / Min	6 Bar	1.0 HP / 3 Ph / 960 RPM	23 Kgs	Non Flameproof
A 40 HVS44 E / 1.5	40 Kg / Min	6 Bar	1.5 HP / 3 Ph / 960 RPM	25 Kgs	Non Flameproof
A 40 HVS44 EFLP / 1.0	40 Kg / Min	6 Bar	1.0 HP / 3 Ph / 960 RPM	53 Kgs	Flameproof
A 40 HVS44 EFLP / 1.5	40 Kg / Min	6 Bar	1.5 HP / 3 Ph / 960 RPM	54 Kgs	Flameproof
A 40 HVS44 A / 0.5	20 Kg / Min	6 Bar	0.5 HP / 15 CFM / 750 RPM	11 Kgs	Air Driven

Note : Flow Rate & Head mentioned are based on water as testing fluid at ambient conditions. Flow rate & Head varies as viscosity changes.