



HS SERIES HS • HSZ • HSD

Semi-Vortex - Wastewater Pump with Agitator

SPECIFICATIONS

✓ FEATURES



- Semi-vortex urethane rubber impeller with agitator suspends solids and allows for pumping of sand and stringy material.
- Highly efficient, continuous duty air-filled, copper wound motor with class E insulation minimizes the cost of operation.
- Built in thermal protection prevents motor failure due to overloading, accidental run-dry and single phasing in three phase units.
- Double inside mechanical seals with silicon carbide faces running in an oil filled chamber provide for one the most durable seal designs available.
- Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours provide for extended operational life.

✓ APPLICATIONS

- Residential, commercial, industrial wastewater and site drainage.
- Decorative waterfalls and fountains.
- Raw water supply from lakes or rivers.
- Sediment removal from small sumps or basins.

✓ SPECIFICATIONS

HS • HSZ • HSD SERIES		STANDARD	OPTIONS
Discharge Size		2" - 3" NPT (50 - 80mm)	
Horsepower Range		1/2 - 1HP (0.40 - 0.75kW)	
Performance Range	Capacity	13.2 - 61.0GPM (0.05 - 0.23m ³ /min)	
	Head	13.1 - 62.0ft. (4.0 - 18.9m)	
Maximum Water Temperature		104F° (40C°)	
Materials of Construction	Casing	Cast Iron Ductile Cast Iron (HSD)	
	Impeller	Urethane Rubber High Chrome Cast Iron (HSD)	
	Shaft	403 Stainless Steel	
	Motor Frame	Aluminum Alloy	
	Fasteners	304 Stainless Steel	
Mechanical Seal		Silicon Carbide	
Elastomers		NBR (Nitrile Butadiene Rubber)	
Impeller Type		Semi-Vortex, Solid Handling	
Solids Handling Capability		0.276" - 0.393" (7.0 - 10.0mm)	
Bearings		Prelubricated, Double Shielded	
Motor Nomenclature	Type, Speed, Hz	Air Filled, 3600RPM, 60Hz	
	Voltage, Phase	115 / 230V, 1 Phase	
	Insulation	Class E	
Accessories		Submersible Power Cable, 20' - 32' (6.2 - 10m)	Length as required
Operational Mode		Manual (HS, HSD), Automatic (HSZ)	TS-301 Float Switch