

Submersible Waste Water Pumps

Versatile, really robust and definitely reliable



We move SOLIDS

MBH[®]
PUMPS

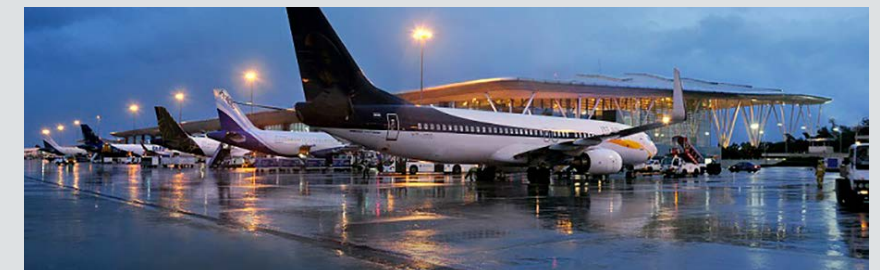
Waste Water Handling is simple for us

MBH makes Submersible wastewater pumps operate directly in the liquid being pumped, which means they require neither special housing nor a superstructure to support them, considerably reducing construction costs. They are smaller than non-submersible counterparts as the motor and hydraulics are integrated into one compact unit, resulting in capabilities to pump liquids in complex Places. Operating submerged they take-up less space, noise and cooling problems are virtually eliminated.

With a variety of wastewater Pumps to choose from, it is easy to find a pump for your needs. The various impeller design gives you efficiency and solids handling capability. This helps to ensure smooth operation and delivers savings in terms of maintenance costs and energy consumption.

MBH Pumps wastewater pumps could be found at various projects throughout the world. The most famous ones are the Chennai Metro Rail Complex in (Chennai, India), Leather Complex Industrial area in (Kolkata, India), Eden Gardens (Kolkata, India) which is one of the biggest cricket stadiums in the world has also MBH pumps delivering 1000 m³/hr of rain water dewatering per hour. With installations in number of hotels & hospitals, as well as airport and Railway stations, MBH submersible wastewater pumps are your best partners where ever you have a need for waste water handling.

Also MBH has introduced its corrosion resistance submersible pumps which are best suited for seawater and acidic applications.



Tough to Beat.

Robust

All components are made from robust materials for easy maintenance and long life.

Powerful

The motor is specifically designed for reliable operation in submersible applications and it can run continuously without overheating.

Durable

Heavy-duty bearings with long life provide peace of mind.

Environmentally friendly

The cooling system is designed to use its surroundings to cool the pump, no use of environmentally hazardous fluids such as oils.

Safe and straightforward

Cable entry prevents both cable strain and leakage.

Consistent

The double mechanical seal provides extra reliability and protects against leakage.

Flexibility

Drilled pump housing, ready for any installation method.

Applications

1. Drainage of wastewater containing fibrous additives from Leather factory, Dyeing factory & Food processing factory
2. Sewage management, Accumulated water, Septic tank, Stock farm
3. Drainage of wastewater from the Attenuation tank, Purifying tank & Sewage tank in Water treatment plant
4. Drainage applications at commercial sites like Hotels, Hospitals, Railway & Metro stations, Airports, Shopping malls, Public parks & other Commercial buildings
5. Rainwater dewatering
6. Residential building, Household usage and Sanitary sewer pumping
7. Pulp and paper industry, Mining, Steel manufacturer, Electronics industry

Installations

1. Chennai Metro Rail more than 200 pumps for Wastewater, Sewage Water & Rainwater Handling
2. Eden Garden, Kolkata 1000 m³/hr* 2 Pumps 50 hp
3. Bangalore Airport 18 Pumps upto 20 hp
4. Tata Steel Limited 48 Pumps upto 10 hp
5. Afcons Transtunnelstroy 28 Pumps upto 25 hp
6. ITC Limited 12 Pumps upto 3 hp



Product Range



PSNC / PSNCV Series Submersible Sewage Pumps

Technical Specifications :
 Head : upto 40 meters
 Capacity : upto 120 m³/hr
 HP : 1 to 15
 Solid Size : upto 75 mm
 MOC : Cast Iron with Stainless steel impellers
 Frequency : 50 / 60 Hz



PSC Series Submersible Cutter Pumps

Technical Specifications :
 Head : upto 28 meters
 Capacity : upto 80 m³/hr
 HP : 2 to 5
 Solid Size : upto 58 mm
 MOC : Cast Iron with Stainless steel impellers & tungsten cutting tips
 Frequency : 50 / 60 Hz

Also known as cutter pumps, these pumps are fully portable, vertical, closed coupled single stage submersible motor pumps. These pumps are your solution for critical application.



PSTGF Series Submersible Grinder Pumps

Technical Specifications :
 Head : upto 32 meters
 Capacity : upto 20 m³/hr
 HP : 1 to 5
 Solid Size : upto 10 mm
 MOC : Cast Iron with Stainless steel impellers
 Frequency : 50 / 60 Hz



SSPS Series Corrosion Resistance Sewage Pumps

Technical Specifications :
 Head : upto 26 meters
 Capacity : upto 85 m³/hr
 HP : 2 to 10
 Solid Size : upto 35 mm
 MOC : Stainless steel Pumps in SS 304, SS 316, SS 316L
 Frequency : 50 / 60 Hz

PSAL Series Light weight aluminium dewatering pumps

Technical Specifications :
 Head : upto 40 meters
 Capacity : upto 120 m³/hr
 HP : 0.5 to 10
 Solid Size : upto 35 mm
 MOC : lightweight aluminium pumps with Stainless steel or cast iron impellers
 Frequency : 50 / 60 Hz



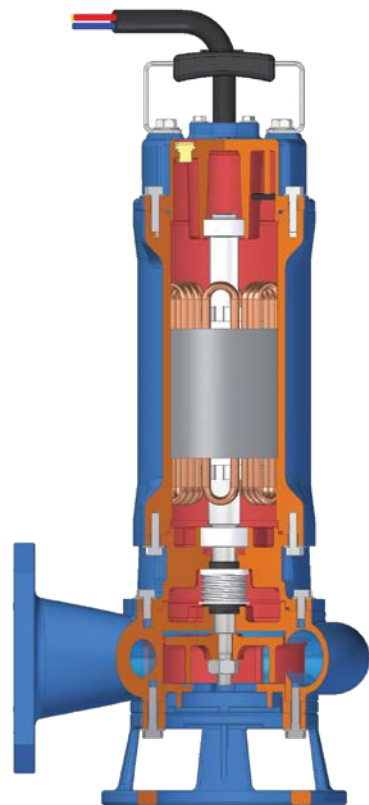
PS Series Submersible Portable Pumps

Technical Specifications :
 Head : upto 40 meters
 Capacity : upto 120 m³/hr
 HP : 0.5 to 10
 Solid Size : upto 35 mm
 MOC : Cast Iron with Stainless steel impellers, High chrome impellers
 Frequency : 50 / 60 Hz





Design



Dual Mechanical Seals

Two sets of mechanical shaft seals that work independently for double security. The Sealing system adopted for MBH make submersible pumps, offers increased sealing reliability and zero leakage into the motor, thereby reducing the risk of bearing or stator failure. Seal face - SIC / SIC & Carbon / Chrome steel. For some series pumps, MBH also offers Tungsten carbide seals.



Anti Wicking Cable Entry

Prevents water incursion due to capillary action should the cable sheath be damaged or the end of cable submerged. Also prevents moist air from infiltrating the motor housing and condensation from forming inside the housing due to temperature differences between the housing and outside air.



Auto-cut Protector

The Auto-cut Protector will be activated and cut the power off automatically if motor run in abnormal electric current or temperature the protector can revert when the motor temperature returns to normal.



Optional Features

Pumps available with CED coated version



Vortex impeller



Cutter impeller with cutter casing cover



Grinder impeller with cutter



Normal dewatering impeller



High head dewatering impeller

Actual images of different type of impellers supplied with MBH Waste Water Pumps

Optional Features and Accessories



Auto Coupling for PSTNC, PSTNCV, PST, PSTGF Series

One of the main reasons why MBH PST is the best choices in new projects for sewage and drainage handling is for its automatic connection type couplings provided with the pump. The single guide rail system is also cheaper compared to the two guide rail system.

- When the pump is lowered along with the guide pipe, it is automatically connected to the discharge pipe with discharge connection
- To remove the pump simply lift it upwards and out of the tank
- No bolt, nut or packing are required for the connection
- The automatic coupling system has simplified and lessened the maintenance. It is no longer necessary to enter the tank or evacuate the tank for removing the pump or loosening / tightening the bolts



External Control Panel

We at MBH, understand the Investment a customer is making in buying our Submersible pumps and for getting optimum output of your investment, we recommend you to opt for our Control Max series Control panels.

Lifting Chain (with Shackles)

Custom made lifting chains are recommended so the slurry pump is lifted from a single point. This means that the pump remains vertical at all times, and is not lifted on an angle, which can happen on site if only one of the lifting points is used. Additionally when starting the pump when it is submerged in settled slurry it allows the pump to vibrate as described above.

As it is a submersible pump the shackles and chain unit come in a galvanised finish to minimise corrosion and maximise working life.

The chain unit is supplied with two shackles to couple it directly to the Pump.



Other Assessor

Ready to pump kit consist of hose pipe and quick release Coupling



Inquire about our product range for
Submersible Dewatering Pumps
applications



DCAL Series
Dewatering Pumps



DS Series Duplex Steel
Submersible Pumps



Ni-HARD Series
Submersible Slurry Pumps



HD Series
Dewatering Tough Pumps

*Specifications and performance are subject to change without prior notice.
Images used are for illustration purpose only.*



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