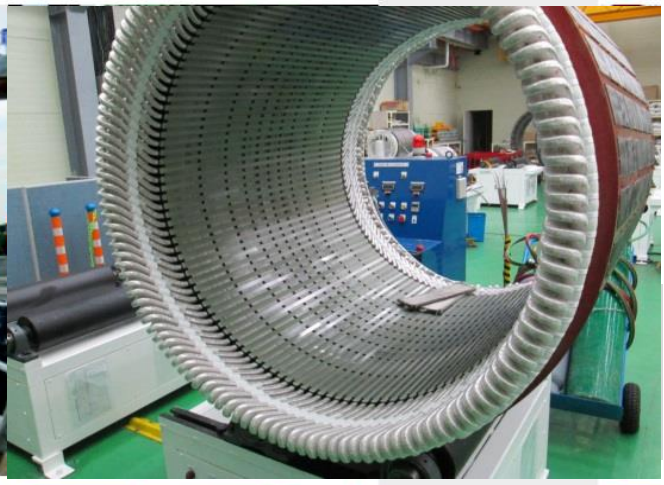
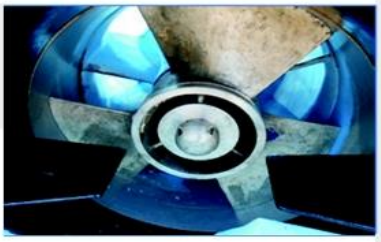
SUBMERSIBLE PUMPS







WPIL LIMITED

INTRODUCTION

WPIL Limited, formerly known as Worthington Pump India Ltd., was established about 60 years back and has dedicated itself to the development of complete range of pumps and water handling systems.

Leveraging the hydraulic heritage of the world famous Worthington and Johnston brand and enhancing it with a sophisticated Research and Development Centre, the Company now possesses an envious product range of Pumps and capability. Its Horizontal Pump range covers the large engineered Horizontal Split Case and Volute Pumps to the smaller End Suction Pumps.

The Pumps find applications in all spheres of Industry, Power, Irrigation and Municipal Sectors from Raw Water applications, Booster Pump Applications, Cooling Water Applications, Municipal Distribution Application to Lift Irrigation Applications. These products are the market leaders in performance.

Based on WPIL's huge manufacturing capability including 4 foundries handling various metallurgies, these pumps can be supplied in all metallurgies from simple cast iron construction to exotic super duplex stainless steels and nickel alloys.

WPIL products are backed by a world class after sales team with trained personnelwho can be deputed a short notice.

Today WPIL is truely an International Company with operations accross the Globe.

WPIL LIMITED

The Company had following
Historical Benchmarks during these long years :

1952	Johnston Pumps India - A JV of Johnston, US
1983	Worthington Pump India Ltd - JV of Worthington
1991	India's largest Cooling Water Pump
2003	Start of Turnkey Project Division
2010	Manufacture of Concrete and Metallic Volute Pumps
2011	Large Turnkey Projects for Water System of Power Plant
2011	WPIL International Formed
2013	Large order for 30000 KW Volute Pumps

Coverage of Pumps

Technical Specifications :

* Capacities up to 50000 cu.mtr./hr.
* Heads up to 20 mtrs.
* Motors upto 1500 kw and more.
* Compact unit in mono-block design.
* Wide range of duties.
* With wet and dry motor options.

Applications :

* Mine - Dewatering Systems for process and seepage water and for lowering of water level.
* Dewatering of dams, flood prone areas.
* Pumping activated sludge and raw, untreated, highly turbid water.
* Lift Irrigation as water lift pump from low-level water sumps.
* Pumping waste, storm, service and cooling water.





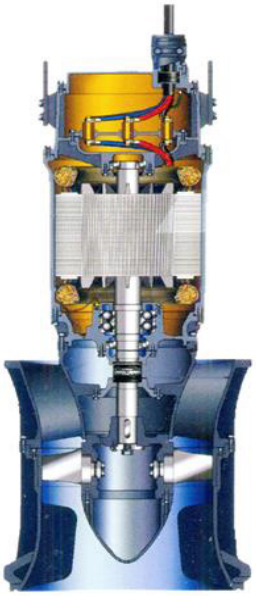




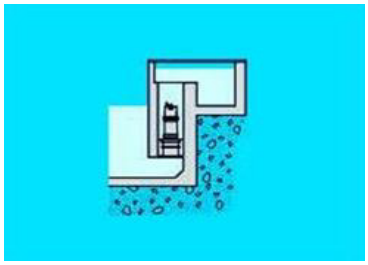


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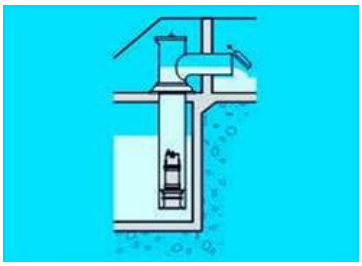




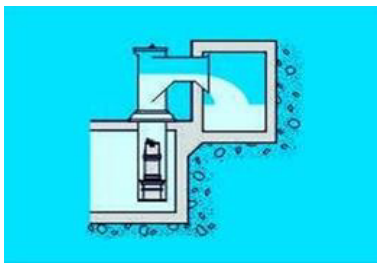
Flow : Upto 50,000 M^3/Hr Head : Upto 25 M Motor : Upto 1500 HP



Suitable where the liquid is pumped to a tunnel, channel or basin with a water level that is nearly constant so that shut-off devices are not required.



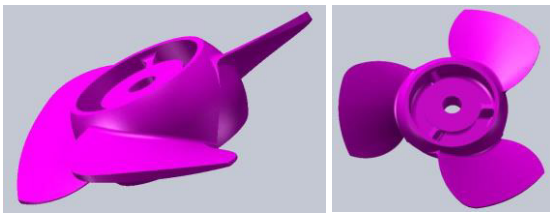
If the water level on the outlet side of the pump varies considerably flap valves can be installed.



If client requires a closed system, this arrangement can be used with a free discharge, as shown, in order to prevent from water backflash.



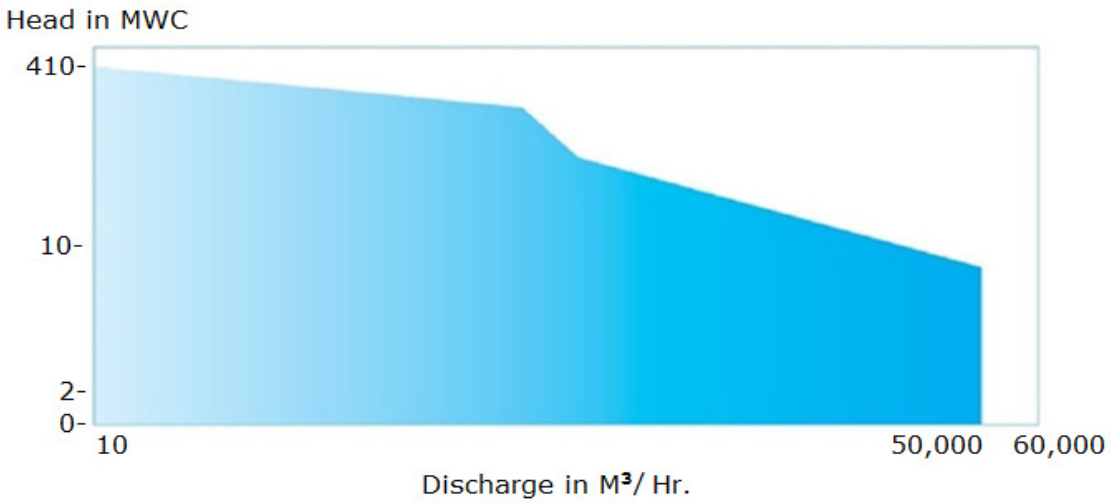
Non-clog, high efficiency technology: WPIL propeller pumps are equipped with hydraulically designed suction bell mouth, propeller with blades of designed aerodynamic profile and with adequate open passage. This helps in inducing streamlined suction of the water upto to propeller suction and then to pump water with suspended matters, if any with minimum hydraulic loss. This helps to achieve



SELF-CLEANING :
WPIL propeller pumps can also be equipped with the unique blade design enabling maximum non-clog performance and sustained efficiency.



Range Chart



Coverage of Pumps - Multistage

Range Available to Meet Every Need :
Size : 6" - 38" in bowl diameters or 4" - 30" diameter impellers.

* Capacities from 6 through 40,000 cubic meter per hour.
* Heads up to 80 mtrs.
* Discharge sizes from 2" through 30".
* Motors to 1500 HP / 380 - 6600 V / 3 Ph, 50 or 60 Hz AC.
* Standard temperature operation to 105°F (40°C) as well as warm liquid operation to 150°C oil filled motor.
* With wet and dry motor options.

Applications :

* Mine - Dewatering Systems for process and seepage water and for lowering of water level.
* Dewatering of dams, flood prone areas.
* Pumping raw untreated water.
* Lift Irrigation as water lift pump from low-level water sumps.
* Simple Modernization of old V.T and bore-well submersible pumps.

Choice of Materials :

* Pump casing - Cast Iron / Stainless Steel - up to Super Duplex / Ni-Al-Brnz.
* Impeller - Stainless Steel - up to Super Duplex / Ni-Al-Bronze / Other bronze.
* Shaft - Stainless of various grades : 410/420/316/Duplex & Super Duplex.
* Motor Body - Mild Steel / Stainless Steel - up to Super Duplex / Ni-Al-Bronze
* Casing Tube surrounding the motor (optional) - Mild steel / Stainless.
* Rotor Shaft - Steel / Stainless Steel.
* Winding Wire - PVC Insulated Copper / XLPE insulated Copper.
* Thrust Bearings - Stainless Steel.
* Bush Bearing - Carbon.



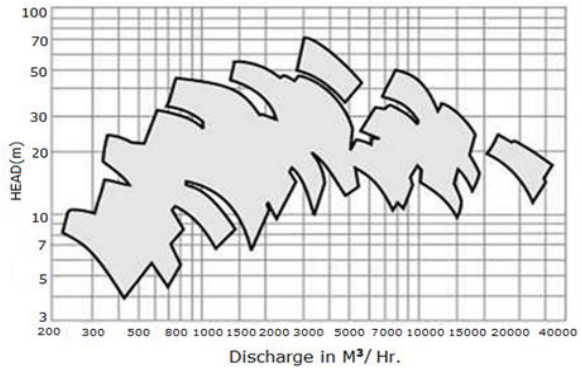




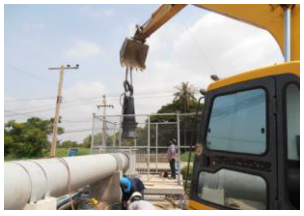


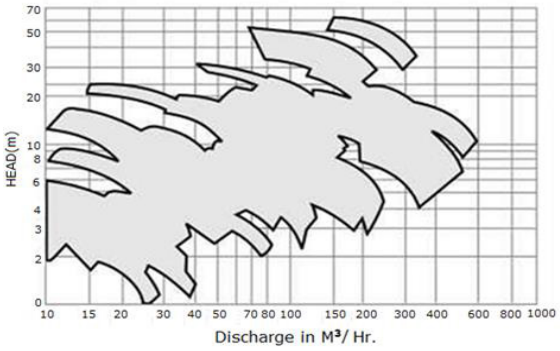


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Note :
Designs subject to change.

DEWATERING PUMP – M , G & WQDWS SERIES







Flow : Upto 1,000M^3/Hr Head : Upto 100 M Motor : Upto 200 HP









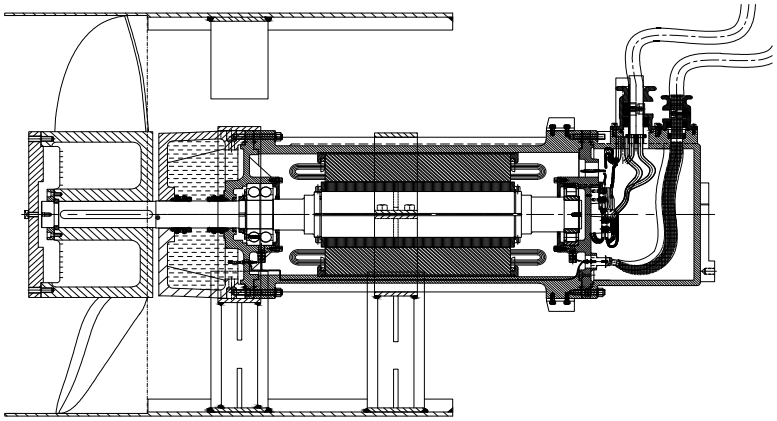
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SEWAGE PUMPS – MS SERIES



Flow : Upto 6,000 M3/Hr Head : Upto 70 M Motor : Upto 500 HP

WPIL – Horizontal Submersible Pump



WPIL LIMITED

1 Environmentally friendly

The oil chamber is filled with food grade oil.

2 Powerful yet economical

The propellers are designed for maximum efficiency.

3 Everything under control and monitor

-Bearing Temperature detector - RTD PT100 at DE, NDE
-Winding Temperature Detector - RTD PT100 at Phase 1,2 & 3
-Leakage Detector
-Moisture Probes
-Vibration Sensors

4 Perfectly protected

Tripple Sealing System for cable. Prevent moisture from entering the pump.

5 Self-cleaning

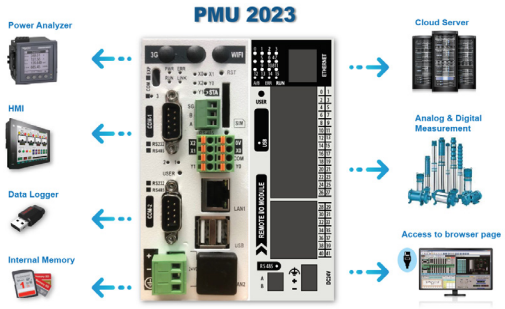
Propeller (Swept Back Impeller)

6 Highly reliable

Dynamic sealing system consisting of two (SiC/SiC) mechanical seals and a lip seal.

7 15,000 operating hours without oil change*

*Oil change required every two years.



Technical data	
Max. fluid temperature	max. 40 °C optional: 55 °C
Speed	100 to 1500 1/min
Power	10 to 350 kW
Nom. propeller diameter	500 to 2500 mm
Max. installation depth	max. 25 m

INSTALLATION LIST

- Hua Ko Station, Samut Prakan Provincial Administration, Thailand.
- Demangan BBWS Solo Flood control, Indonesia.
- Bang Ta Nai and Bang Sai station, Royal Irrigation Department, Nonthaburi, Thailand
- Bang Lane Station, Royal Irrigation, Nakhon Pathom, Thailand.
- Kud Chiang Sa Station, Royal Irrigation Department, Roi Et Province, Thailand.





WPIL LIMITED

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