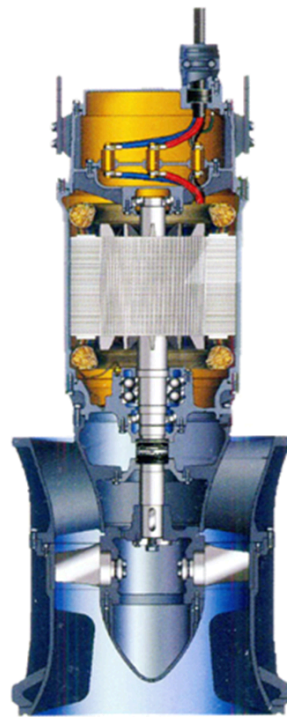




WPIL Limited

Axial Flow Submersible Pumps



WPIL Limited – An Introduction

WPIL Limited is a global leader in specialized flow solutions, with over 70 years of engineering excellence across the full spectrum of the pumping industry. The company serves diverse sectors including water, irrigation, municipal infrastructure, industry, and energy, delivering high-performance solutions for critical applications worldwide.

Backed by a strong global manufacturing footprint and continuous investment in R&D, WPIL combines advanced engineering with precision manufacturing to deliver reliable, efficient, and customized pumping systems. The company's portfolio spans vertical, horizontal, submersible, engineered, and fire pumps - designed to meet the most demanding operational requirements.

Leveraging the hydraulic heritage of globally recognized brands such as Worthington and Johnston, and strengthened by a modern R&D ecosystem, WPIL offers a comprehensive range of products and turnkey solutions. From specialized manufacturing and system integration to installation, commissioning, and lifecycle services, the company provides end-to-end capabilities for complex water and infrastructure projects.

With operations across multiple international markets and a growing global presence through strategic acquisitions and joint ventures, WPIL continues to set benchmarks in performance, reliability, and engineering innovation.



12
Manufacturing
Facilities



9
Successful
Acquisitions



48+
Countries Served

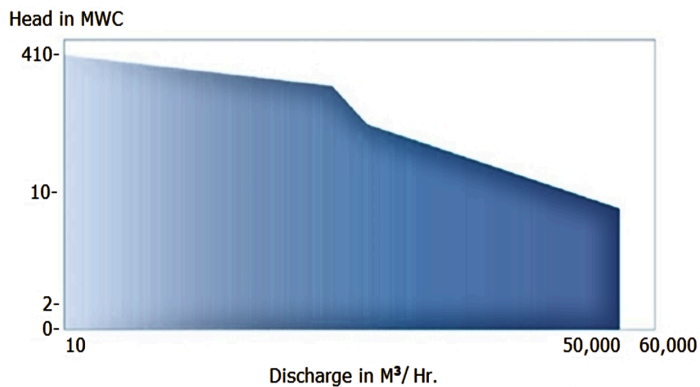


1500+
Employees Globally

TECHNICAL SPECIFICATIONS

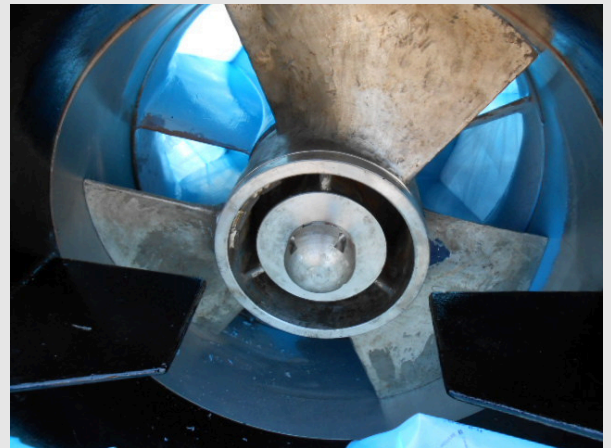
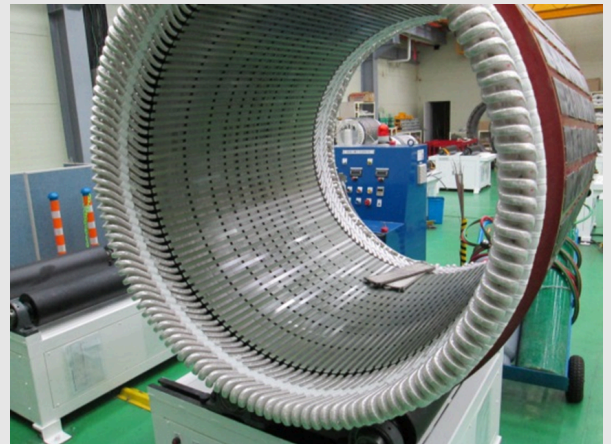
- Capacities: Up to 50,000 m³/hr
- Head: Up to 20.0m
- Motor: Up to 1,500 kW and more
- Compact unit in mono-block design
- Wide range of duties
- Wet and dry motor options available

RANGE CHART



APPLICATIONS

- Dewatering systems for process and seepage water and lowering of water level in mining
- Dewatering of dams and flood prone areas
- Pumping of activated sludge and raw, untreated, highly turbid water
- Water lift pump for irrigation from low water level sumps
- Pumping waste, storm, service, and cooling water





KEY FEATURES & BENEFITS

- **Axial Flow Pump:** Pump and motor integrated into a single compact unit
- **Propeller Type:** Swept back propeller with self cleaning feature
- **Function:** To pump very large volumes of water in applications requiring head up to a maximum of 20.0m; double mechanical seal applications
- **Primary advantage:** Highly reliable and efficient low NPSH pumps
- **Space efficient design:** Direct installation in the column pipe
- **Energy consumption:** ~40-50% less consumption than equivalent ordinary pump station
- **Variable system heads:** Suitable to operate at any head within the prescribed range
- **Automation:** Automation capability available
- **Construction cost:** Substantially lower civil and structural costs compared to equivalent conventional pump; lower installation cost
- **Maintenance cost:** Lower electrical and maintenance costs incurred than equivalent conventional pump
- **Construction period:** Significantly shorter construction period with only lowering of the pump casing pipe and hoisting required

Design Advantages

High efficiency non-clog technology:

Hydraulically optimized suction bell-mouth and aerodynamically profiled propeller blades ensure streamlined water intake with minimal hydraulic loss, even with suspended solids

Optimal pumping solution: Hydraulic elements and drive motor encapsulated in a compact cartridge assembly, which can be inserted in column casing, resulting in significant cost saving

Reliability: Impeller and motor rotor mounted on a single shaft ensuring perfect alignment, excellent dynamic characteristics, and low vibration

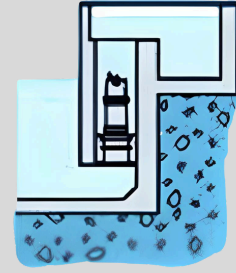
Special propeller blade design: Swept-back propeller blade specifically designed for garbage-laden flows; ensures self-cleaning by directing solids along controlled flow paths

Self cleaning ability: Eliminates risk of clogging and impeller blockage; ensures maximum reliability and longer pumping periods with minimal maintenance

Smart pump: Automation and control features available to monitor pump parameters and health; auto-trip in case of any fault

Installation: Easy and quick installation by lowering the pump-motor assembly into site column casing; in-built feature at suction casing end ensures lock and anti-rotation of pump casing

Maintenance: Easy installation feature; can be lifted by single hoist within minutes



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 significantly, flap valves can be installed



If the client requires a closed system, the arrangement shown can be used with a free discharge, in order to prevent water backsplash

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