

Axial Flow Pumps

Vertical wet-well compact unit with 4 hydrodynamic, high-grade propeller blades in stainless steel, designed for high operation, reliability, and long service life. Casing uses an integrally cast, flanged inlet bellmouth, and double curvature guide vanes. Propeller blades permitting readjustment for performance optimization and high efficiencies are optionally available.

Maintenance-free, anti-friction bearings with permanent grease lubrication for long service life and continuous operation.

Shaft sealing with two hard face single acting mechanical seals with elastomer bellows in tandem arrangement, independent of the direction of rotation. Large volume oil chamber ensures proper cooling of bearings and mechanical seals.

Immediate indication of water intrusion is provided by an optional stator moisture monitor and/or junction box moisture monitor. Early detection minimizes mechanical damage and downtime needed for repair.

Submersible Squirrel Cage Induction Motor in accordance with NEMA MG I Part 30 or 31. Motor shall be NEMA Design B for continuous duty, capable of sustaining 15 starts per hour. Motor shall be air-filled, watertight design. Pressurized watertight junction box, hermetically sealed from the motor chamber, including additional monitoring provisions.

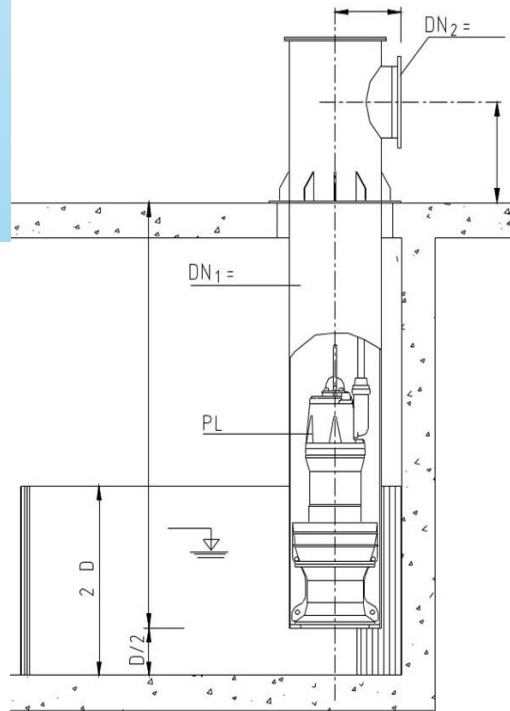
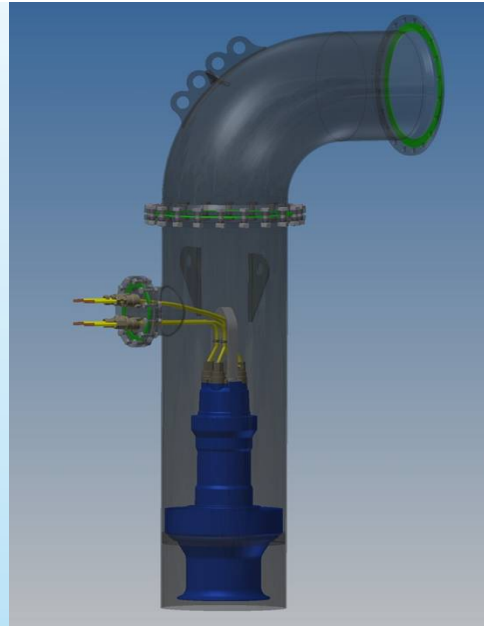
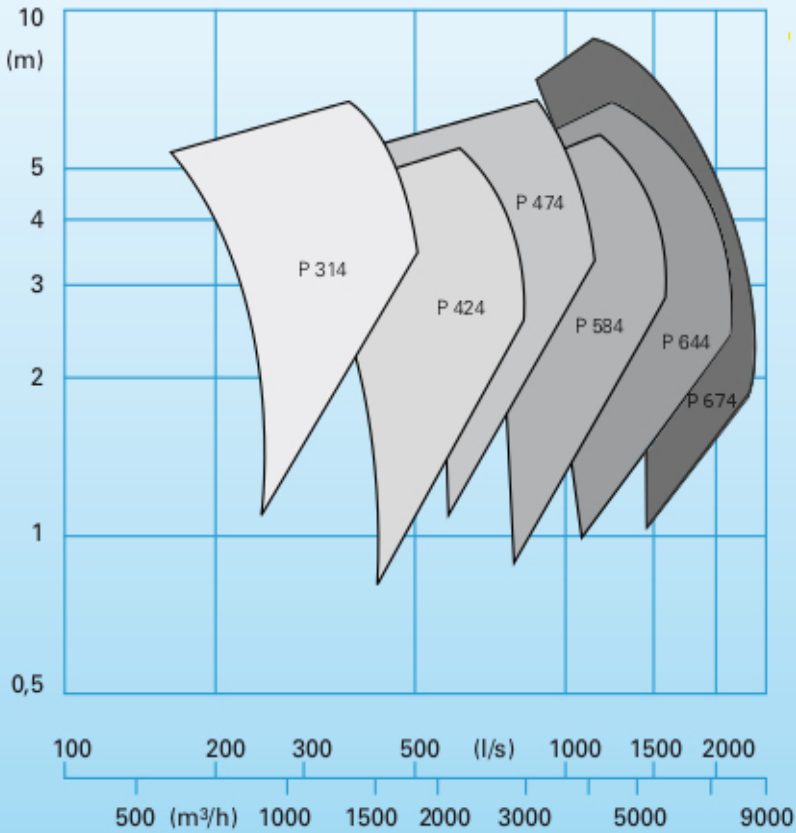


Applications

- » Surface water
- » Waste water treatment
- » Flood prevention
- » Cooling water
- » Irrigation

Adjustable propeller blades
Optionally available

Performances



Materials

Casing parts: Cast Iron
 Pump Shaft: Stainless Steel
 Mech. Seals: SiC/ SiC
 Propeller blades: Stainless Steel
 Bolts/nuts: Stainless Steel



Standard Coatings

2 – Component epoxy resin based paint. 2 coats each 180 my.

Installation

Vertical in a concrete well or in a column pipe of steel with open outlet in overflow design or in a column pipe of steel with discharge nozzle above or under floor. Self-centering in the tube by its own weight on a machined conical centering and mounting ring. Installation or removal of the pump can be performed with flooded pump sump without the necessity of loosening or removing any fixtures.

