



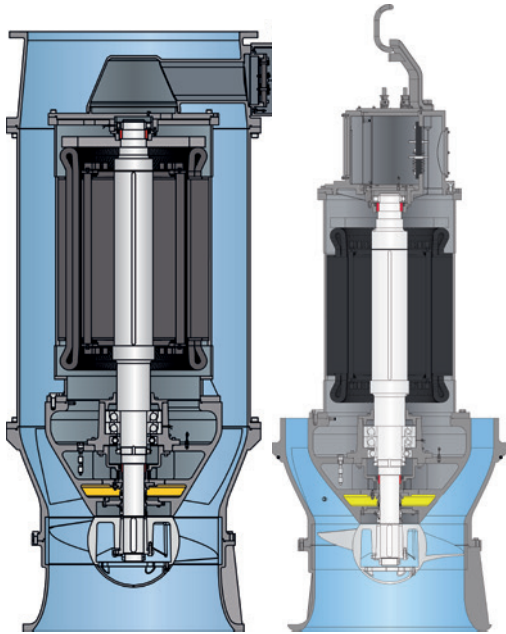
Applications:

- Water supply
- Waste water treatment
- Storm water pumping
- Irrigation
- Power plants

The **SP HE serie** offers submersible pumps and motors designed for pumping solutions such as drainage, storm water, dry dock, fish and shrimp farms, sea water and/or solid containing liquids, in a wide range of applications. **HE pumps** are mono block design with an axial impeller or variable pitch propeller coupled to a submersible motor. These pumps are designed to operate in harsh environments for municipal and industrial applications, for water treatment or raw water applications. All parts of the pump and the motor are designed and manufactured by INDAR.

The axial propeller design ensures a wide and free passage of the pumping liquid and prevents clogging. An efficient cooling system by using the pumping liquid, (flowing alongside the motor), allow the unit to operate continuously even under severe environmental conditions. The different installation options, along with a wide range of materials, make **HE pumps** a highly-versatile product which provides perfect solutions to an infinite range of applications.

Features	Ranges
Flow	1150 m ³ /h - 21000 m ³ /h
Head	3 m - 25 m
Power	50 kW - 1000 kW
Voltage	380 V - 13800 V
Speed	485 rpm - 1750 rpm
Materials	Cast iron, stainless steel (316, 904L, Duplex, Super Duplex)
Type of installation	Free discharge, Pressurized or with Non Return Valve discharge, Discharge with siphon and long pipe discharge, Jacketed H type - compact design with jacket

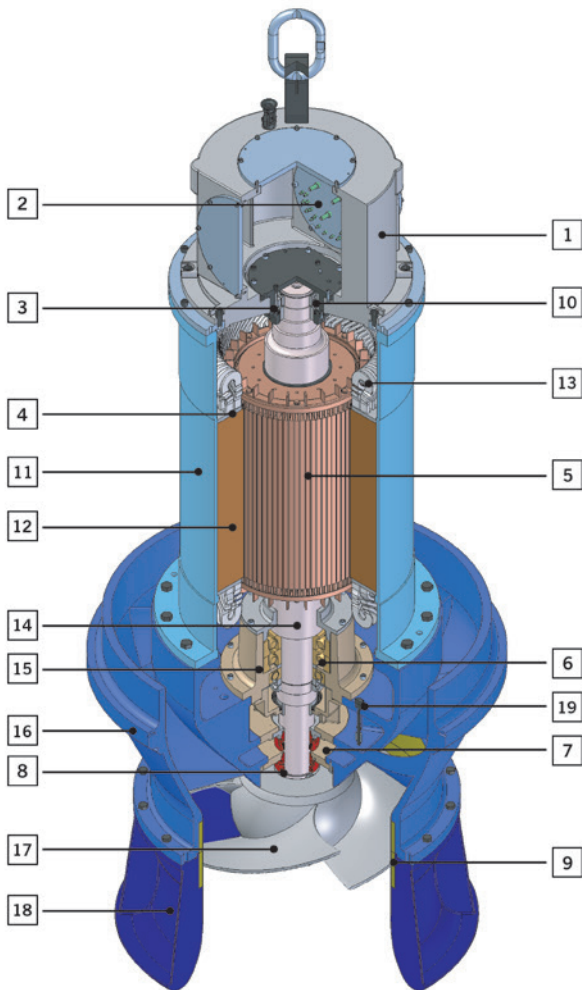


H

HE

Installation options	Range of materials
<ul style="list-style-type: none"> •HE type, free discharge •Pressurized or with non return valve discharge •Discharge with siphon and long pipe discharge •H type, compact design with jacket 	Iron Stainless steel: 304 316 904L Duplex Super duplex
<p>Depending of the pumping fluid characteristics, the HE pumps can be offered in various materials, such as also stainless steel which makes the pump highly resistant against abrasion and corrosion. All units are equipped with high-quality mechanical seals to ensure the utmost protection of the submersible electric motors.</p>	

The **HE pump** is a robust, safe, flexible solution with a modular design, offering a wide range of flow rates and discharge pressures



Part list
1. Cable outlet lid
2. Terminal tablet
3. Upper bearing
4. Windings thermal protection
5. Rotor
6. Bearings
7. Oil chamber
8. Mechanical seals
9. Wearing ring (special, on demand)
10. Bearings
11. Stator casing
12. Stator
13. Coil heads
14. Common shaft for impeller and rotor
15. Lower bearing
16. Pump body
17. Impeller
18. Suction nozzle
19. Humidity sensor in overflow chamber