



The **Indar HE series** 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. **Indar HE pumps** are mono block design with an axial impeller or variable pitch propeller coupled to an Indar 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 Ingeteam.

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 **Indar HE pumps** a highly-versatile product which provides perfect solutions to an infinite range of applications.

APPLICATIONS

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

FEATURES	RANGES
Flow	600 l/s – 6,000 l/s
Head	1 m - 30 m
Power	50 kW – 2,500 kW
Voltage	380 V - 13800 V
Speed	100 rpm – 1,800 rpm
Materials	Cast iron, stainless steel 316, Duplex, Super Duplex
Type of installation	Free discharge, pressurised or with non-return valve discharge, discharge with siphon and long pipe discharge, jacketed H type - compact design with shroud

INDAR HE

Indar Submersible Pump

INSTALLATION OPTIONS

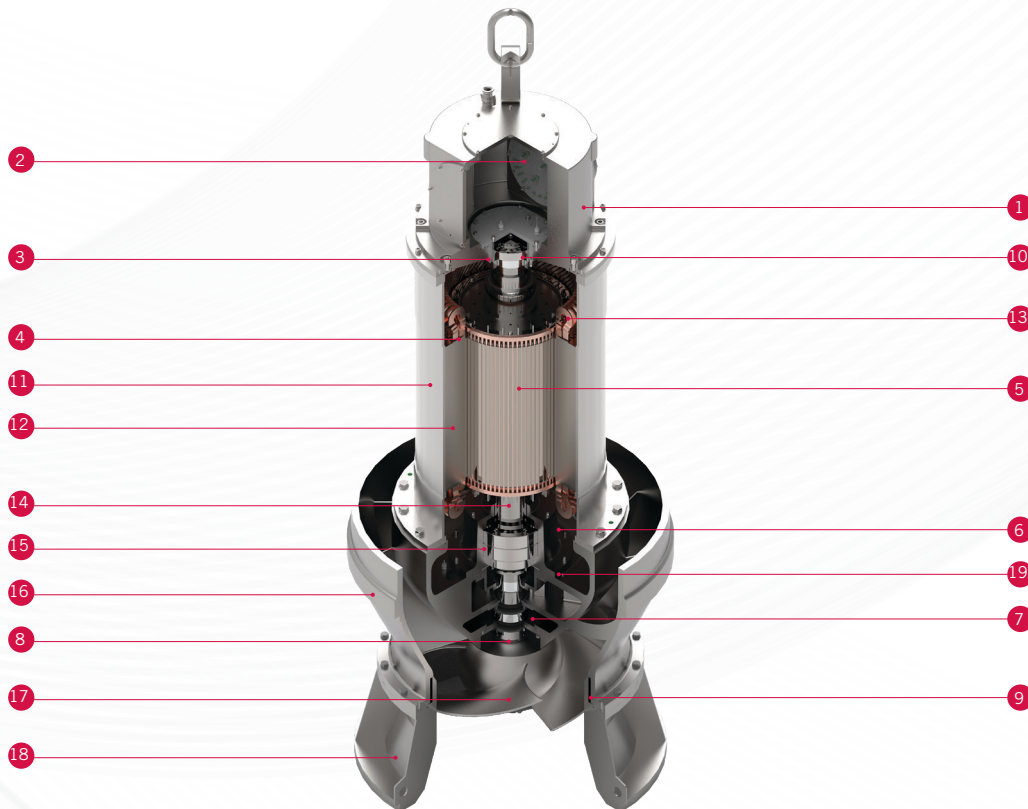
- HE type, free discharge
- Pressurised or with non-return valve discharge
- Discharge with siphon and long pipe discharge
- H type, compact design with shroud

RANGE OF MATERIALS

- Iron
- Stainless steel:
- 316
 - 904L
 - Duplex
 - Super Duplex

Depending of the pumping fluid characteristics, the **Indar 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.

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



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