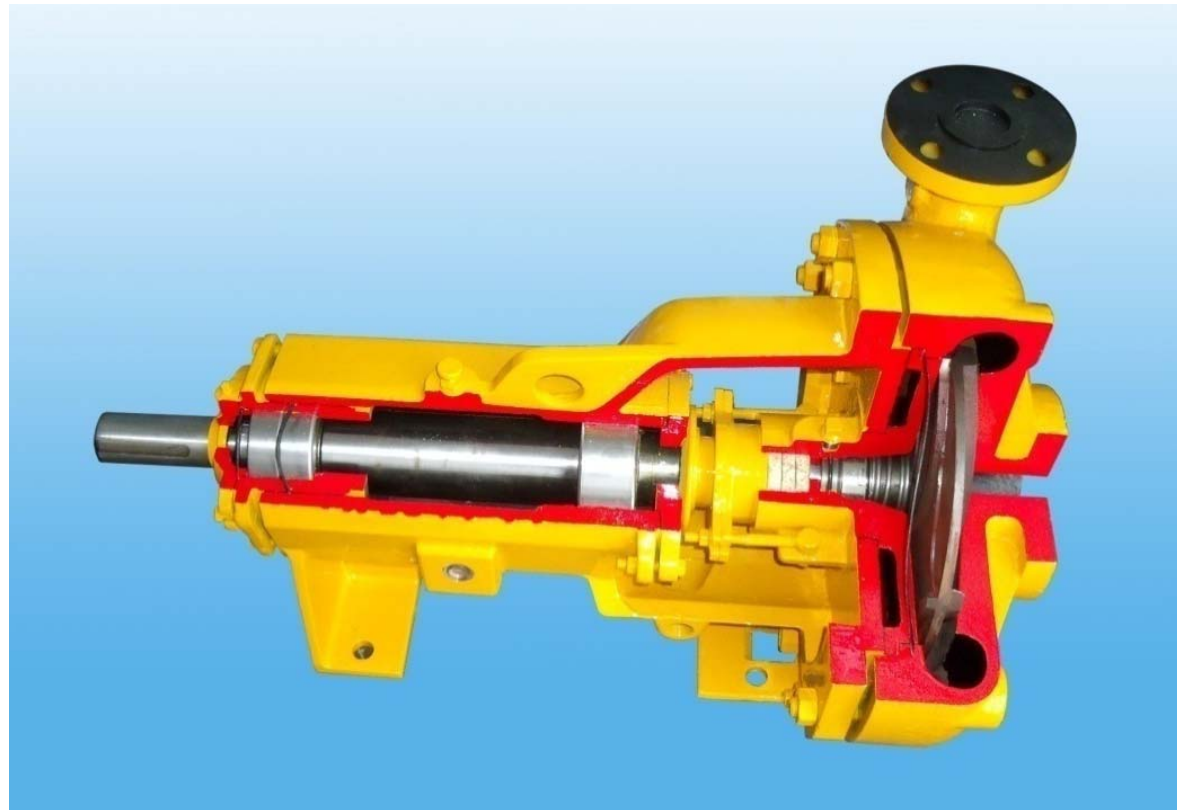


Product features

Centrifugal pumps for Separation Units are designed and engineered to convey a large variety of different suspensions. Subject to the chosen model our centrifugal pumps can handle abrasive and corrosive as well as viscous liquids. They stand out due to their long service life and the low amount of maintenance required. Even under extreme conditions, the centrifugal pumps will still offer a high level of performance.

Features and functions:

- The concentric pump casing ensures a virtually ideal streamline flow accompanied by a simultaneous decrease in bearing loads
- The design of the impeller results in a reduction of turbulence and a lower level of wear inside the pump casing
- Due to their specific design – e.g. the double-row ball bearing - the shaft bearings may support high radial and axial loads, which is why they need hardly any maintenance
- Made from high-quality materials, the mechanical seal is able to resist high loads
- Component parts that come into contact with the pumped medium and, hence, are subject to particularly high levels of wear – e.g. casing, impeller, wear plate – are made from high-grade ferrous alloys which are specifically annealed



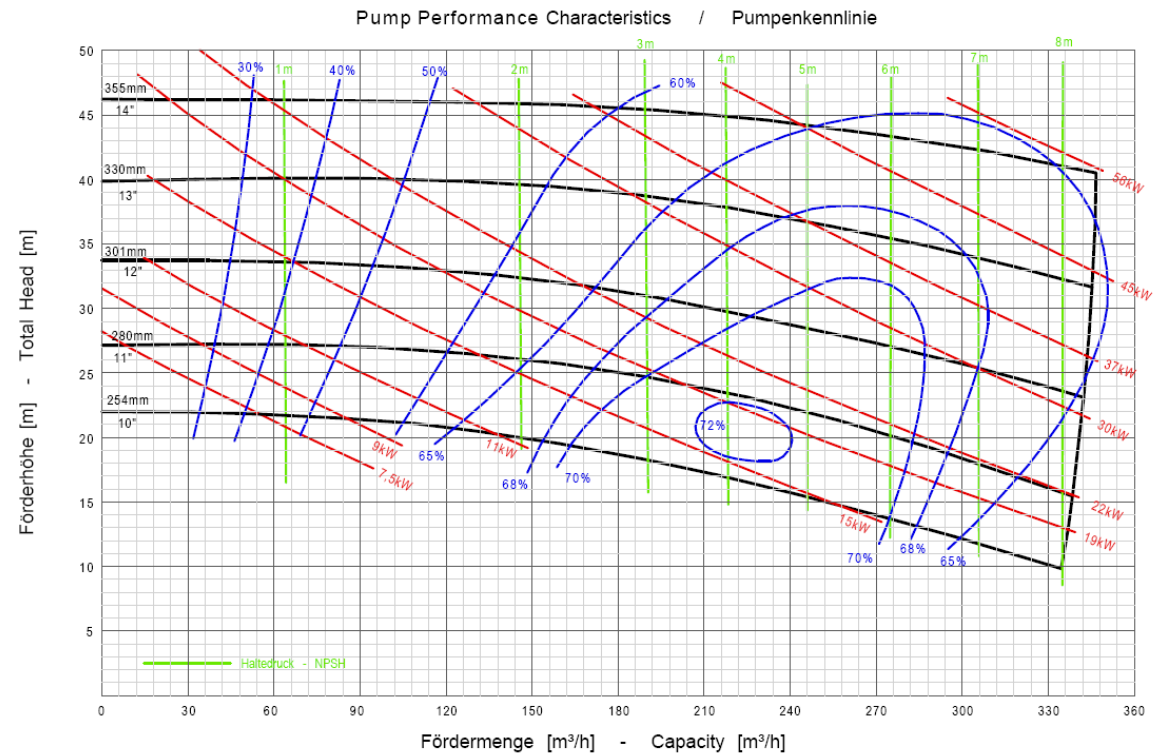
Illus.: Cross-section of the casing of a centrifugal pump

Technical specifications

Pump types

The centrifugal pumps are available in **Hard Iron** and also **High Chrome** material. They are equipped with a matching electric motor running at a standard frequency of 50 Hz.

- **3 x 2 x 13**
 - Optimum operating range: 45 m³/h at 2 bar pressure
- **4 x 3 x 13**
 - Optimum operating range: 125 m³/h at 2.5 bar pressure
- **6 x 5 x 14**
 - Optimum operating range: 225 m³/h at 2.5 bar pressure
- **8 x 6 x 14**
 - Optimum operating range: 420 m³/h at 3.9 bar pressure
- **10 x 8 x 14**
 - Optimum operating range: 540 m³/h at 3.7 bar pressure



Illus.: Example - performance characteristics of a 6 x 5 x 14 centrifugal pump