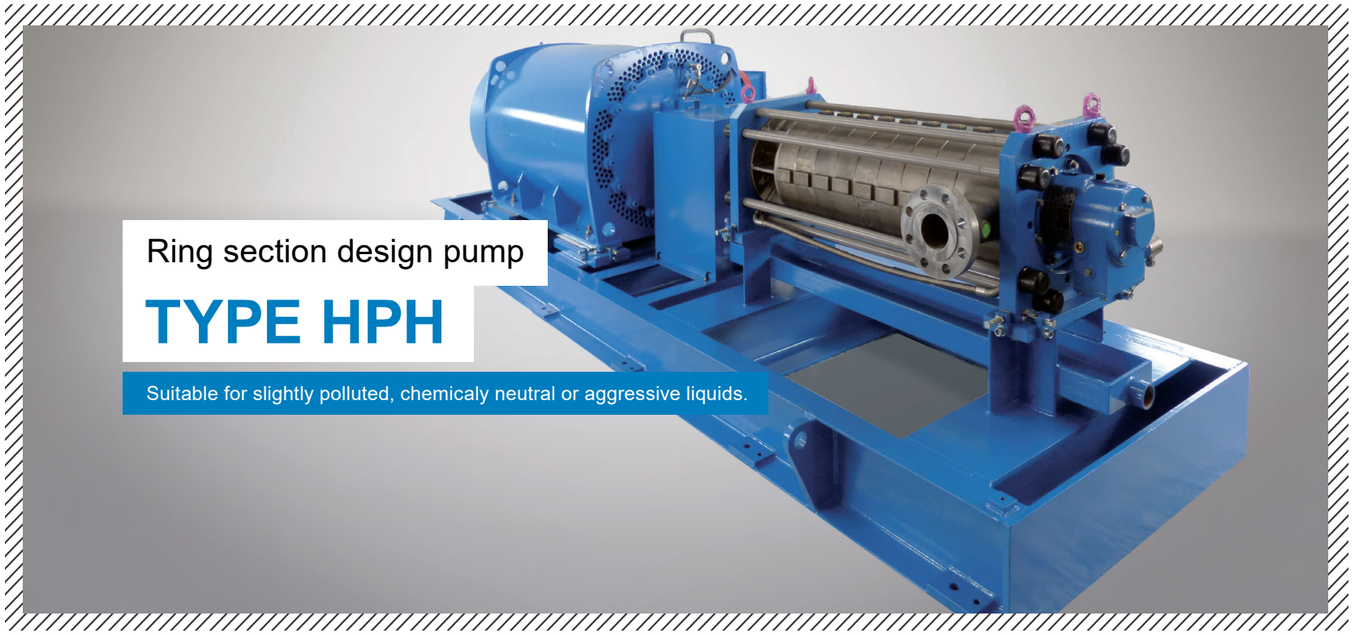


Materials

Carefully selected depending on the application and adapted to the respective conditions.

DÜCHTING PUMPEN offers improved corrosion resistant materials like SUPER DUPLEX stainless steel with Pitting Resistance Equivalent numbers above 40.

ATEX

Technical Data

Pump Size:	**DN 80 to DN 300** (3“ to 12“)
max. Pressure:	**100 bar** (1450 PSI)
max. Flow:	**3500 m³/h** (15400 gpm)
Total head:	**up to 1100 m** (3600 ft)
Rotating Speed:	**up to 3600 rpm**

Fields of Application

Handling of clean or slightly polluted, chemically neutral or aggressive liquids.

- Pressure boosting systems in industrial process
- Water supply, and water treatment
- Seawater desalination
- Condensate production
- Boiler feed systems
- Hot water applications
- Petrochemical applications
- Water Injection

HPH Design

Multistage centrifugal pump in ring-section design.

- Pump inlet: axial or radial with flanges positioned at 90° increments
- Discharge flange: radial positioned at 90° increments
- Replaceable rings in composite material to maintain best efficiency and reliability
- Shaft sealing by stuffing box or mechanical seal
- Axial thrust compensation by balancing discs, piston or combination of both
- Easy replacement of all wearing parts
- Tailormade solutions available:
  - ► **Pump dimensions can be adapted to customer requirements**
- Impellers are fixed by fitting key (e.g. backflushing) possible
- Replaceable Impeller wear rings available
- Pump with one or two connective shaft ends
- Impellers and diffusors are cast by using ceramic moulds to get highest surface quality for outstanding hydraulic performance

