Sectional drawings

Standard design NCT

- Elastic coupling
- Motor support lantern
- Gland packing
- Drive shaft
- Shaft coupling
- Sleeve bearing
- Intermediate shaft
- Column pipe
- Wear rings
- Volute casing
- Discharge nozzle
- Dome cover plate
- Pressure pipe
- Pump shaft
- Intermediate casing
- Impeller
- Standard drive motor
- Angular ball bearings
- Radial seal rings
Optional designs

Magnetic coupled design, type NMT

Type approved ATEX design, NCT Cat.1

Cantilever design, type NCTk

Jacketed design, type NCTb
Optional designs

API 610 design, type NCTR

Side channel design, type SCT

Shaft sealing

The drive shaft is sealed against the atmosphere by a shaft sealing arrangement, located in the motor support lantern. The shaft sealing is not pressurized by the pump itself. Besides the standard gland packing with self-lubricating graphite ring, mechanical seals can also be applied. Retrofitting from packing to seal on site is possible without remachining any pump parts.

Design features:
- mechanical seal acc. to API 682
- impeller- and casing wear rings

Special design for low flow and high head applications. Pump body and performance table is identical to type SC (see corresponding leaflet).

Double mechanical seal, back-to-back arrangement

Single mechanical seal, cartridge type acc. to API 682
Performance range

Performance curves for the different pump sizes are available on request and are supplied with our technical offers in general.