MULTISTAGE, VERTICAL CAN PUMP

IN STANDARD DESIGN AND ALSO ACCORDING TO API 610 / TYPE VS6

GDTV
GDV

Design

- GDTV – vertical high-pressure pump of can-type design (VS6)
- GDV – vertical high-pressure pump of submerged pump (VS1)
- Suspended NPSH impeller of single-suction & double suction design, inducer version available
- Installation depth adapted to customer requirements
- Axial thrust compensation by means of single impeller balancing
- Product lubricated bearing bushes on all bowls in different material grades
- With impeller- and casing wear rings acc. to API 610
- Complete pump design for MAWP possible as well as dual pressure rating

Shaft Seal

- Seal chamber according to API 610
- All types of mechanical seal from single to double according to API 682 available
- Gland packing version are possible
- Cartridge design of mechanical seal as standard

Operating data

Nozzle size (mm)	from 40 to 450
Capacity	up to 3200 m^3/h
Head	up to 460 m
Design pressure	up to 63 bar
Speed	up to 1800 rpm
Temperature limits	up to 160 °C

Modern type series with

- High efficiencies by mixed flow hydraulics
- Variety of different available hydraulics
- Minimum space requirements due to mixed flow design

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GDTV Version – VS6

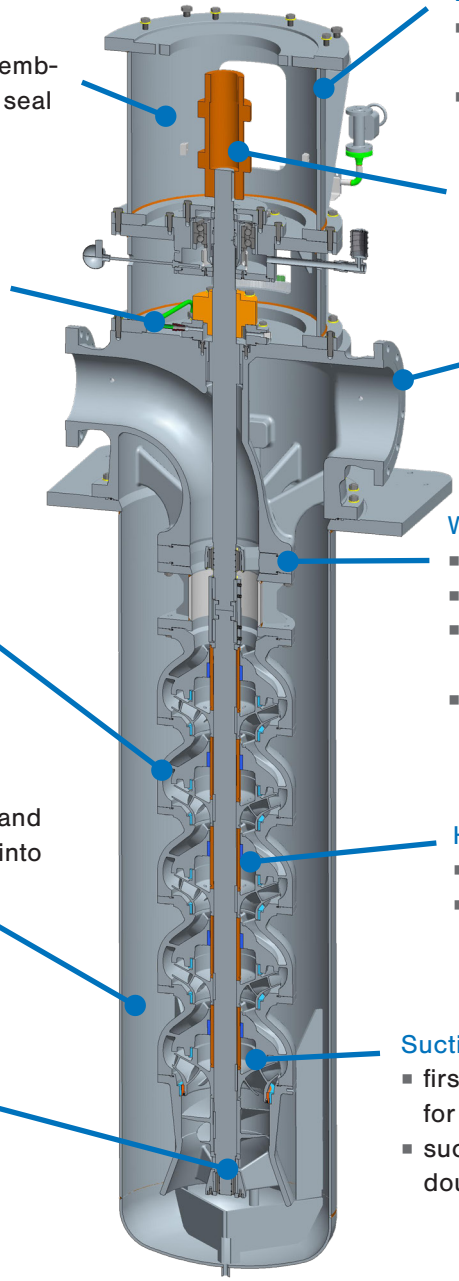
Mounting tool
- Special mounting tool for easy disassembling of thrust bearing and mechanical seal

Seal chamber
- separate seal chamber according to API 610 / 682
- all the usual variations of sealing and API piping schemes are possible
- equipped as standard with a cartridge mechanical seal

Shaft
- one-piece shafts up to 3.5 m length
- on higher suspension depths shafts consisting of several parts with intermediate coupling

Suction can
- fabricated with full penetration welds and swirl breaks for uni form suction flow into the first stage

Bearing
- liquid-lubricated plain bearing
- plain bearing materials adapted to process requirements



Design
- solid lantern design for maximum run smoothness
- very low vibration values

Coupling
- spacer coupling type for easier maintenance of mechanical seal

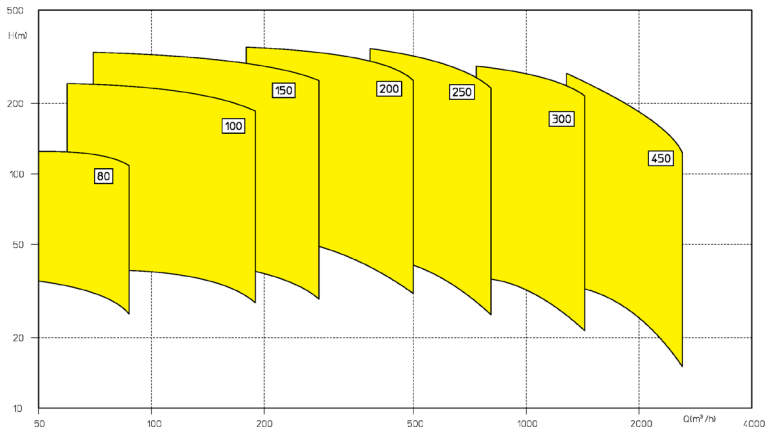
Flanges
- ASME or DIN EN

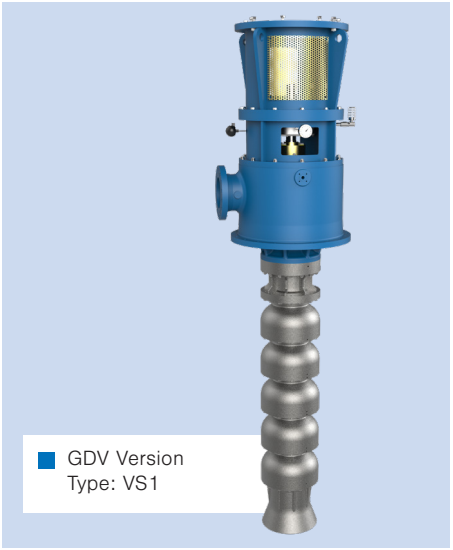
Wear rings
- replaceable wear rings
- clearances according to API 610
- different material options and coatings possible
- PEEK version with reduced clearances

Hydraulics
- various hydraulics per type size
- best adaptation to customer´s requirements ensured

Suction stage
- first stage designed as NPSH stage for lowest NPSH values
- suction impeller as single-flow or double-flow impeller or with inducer

Performance range





GDV Version
Type: VS1

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