

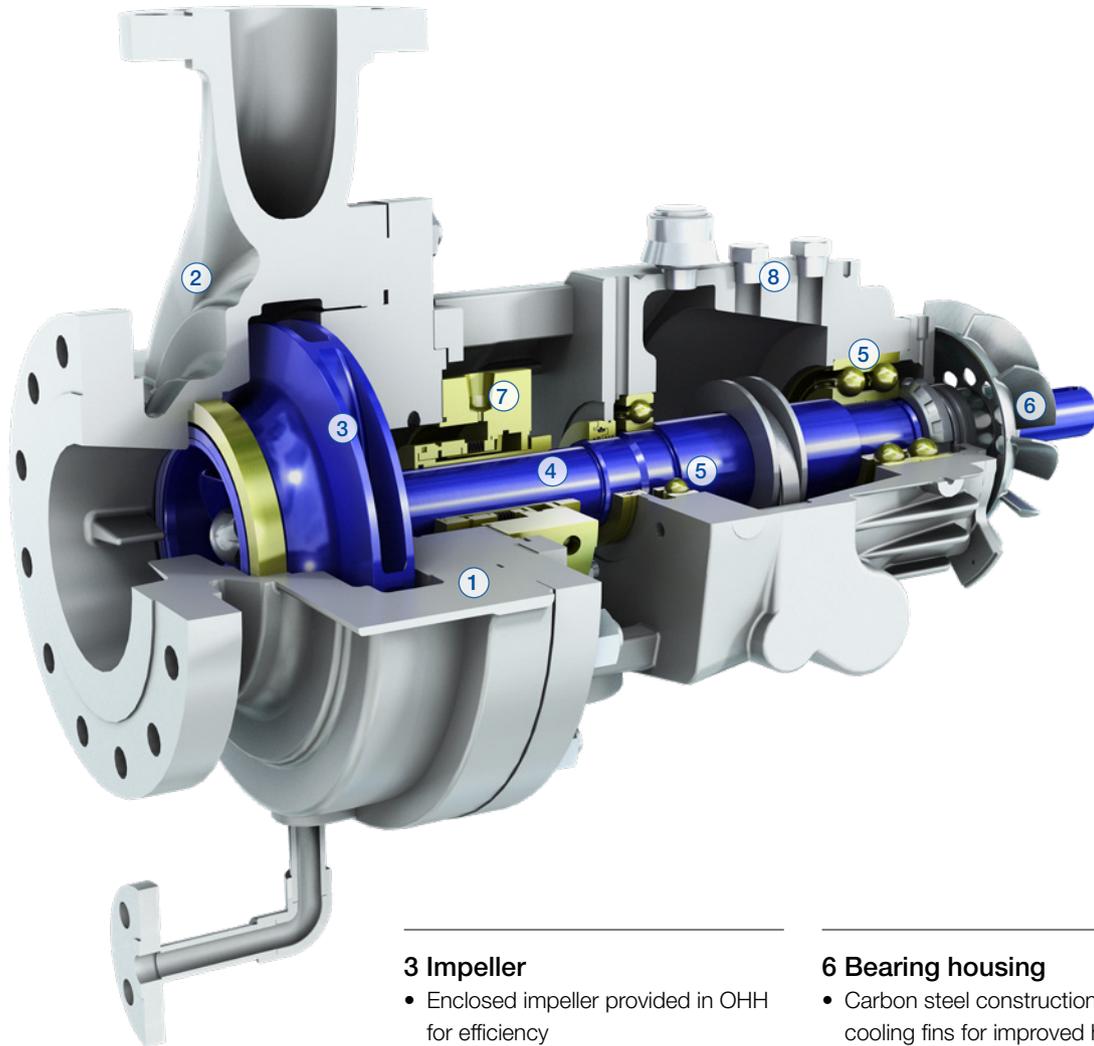
Flow Equipment

OHH and OHHL (API 610)
type OH2 single stage
end suction process pumps
OHV and OHVL
vertical inline pumps



OHH and OHHL (API 610) type OH2 single stage end suction process pumps

Features and benefits



1 Casing feet and baseplate

- With the bearing housing foot prohibited by API 610, casing feet and baseplate are heavily reinforced to carry nozzle loads while maintaining alignment to API 610 requirements

2 Pressure casing

- Designed to 20% of tensile strength plus 3 mm corrosion allowance for long life
- 300# RF flanges are standard. 600# RF with optional high pressure casing

3 Impeller

- Enclosed impeller provided in OHH for efficiency
- OHHL utilizes unique semi-open impeller for low flow and high head

4 Extra heavy duty, large diameter shaft

- Provides minimal shaft deflection and long seal and wear ring life

5 Bearings

- Opposed 40 degrees angular contact thrust bearings with machined brass cage for long term reliability
- C3 ball radial bearing
- Optional triple row thrust bearing and roller radial bearing

6 Bearing housing

- Carbon steel construction with cooling fins for improved heat dissipation

7 API 682 mechanical seal and API 610 seal chamber

- Fully cartridge seals in API 610 seal chamber for improved seal environment and life

8 Bearing assembly

- Four sizes of bearing housing cover the product range for maximum interchangeability
- Low noise fan added for high ambient or high product temperatures
- Ring oil, purge mist or pure mist lubrication

OHV and OHVL

vertical inline pumps

Features and benefits

1 Inline design

- Minimal footprint saves space
- Can float with piping – decreases distortion caused by thermal expansion and contraction
- Able to be bolted to module frame for reduced installation cost
- Inline nozzles absorb more loads easily – 2 times ISO 13709 (API 610)

2 Heavy wall, pressure casing and 300# R.F. flanges

- Conservative design for long life

3 Dual volute in larger size

- Decreases radial loads for longer bearing life
- Reduces shaft deflection for longer seal and wear ring life

4 API 682 mechanical seals and API 610 seal chamber

- Seals interchangeable among OHH, OHHL, OHV and OHVL
- Large seal chamber bore improves face cooling for longer life
- Seal pots and coolers mounted on separate stands to improve maintenance access to seals and back pullout assembly

5 Impeller

- OHV – interchangeable with OHH; enclosed for improved efficiency
- OHVL – interchangeable with OHHL; semi-open for capacity control

6 Wear parts

- Minimum of 12% chrome wear rings for improved life
- Sulzer exclusive material combinations for improved resistance to galling
- Non-metallic wear rings (carbon, PEEK, etc.) and reduced clearances offered on clean fluids for improved efficiency
- OHVL – large clearance between impeller and diffuser for thermal tolerance

7 Heavy duty shaft and bearings

- Large diameter shaft for reduced deflection
- Improved seal and wear ring life
- Variety of materials for improved corrosion resistance and high torque capacity
- OHV uses OHH shaft
- OHVL uses OHHL shaft
- Bearings are interchangeable among all four models

