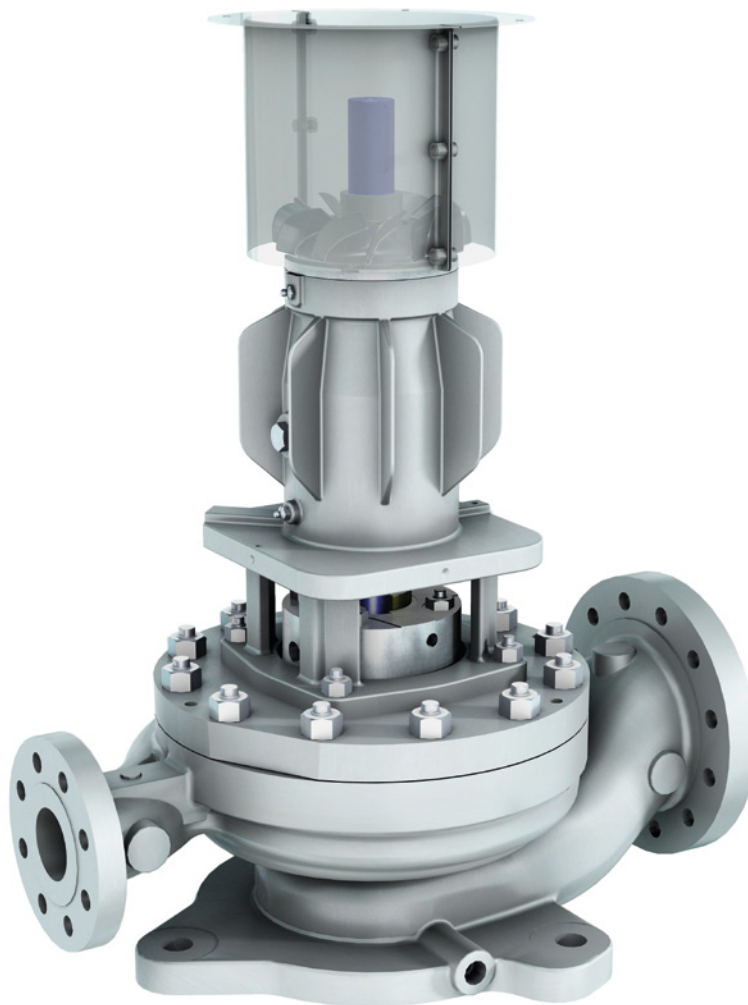


OHV and OHVL Vertical Inline Pumps

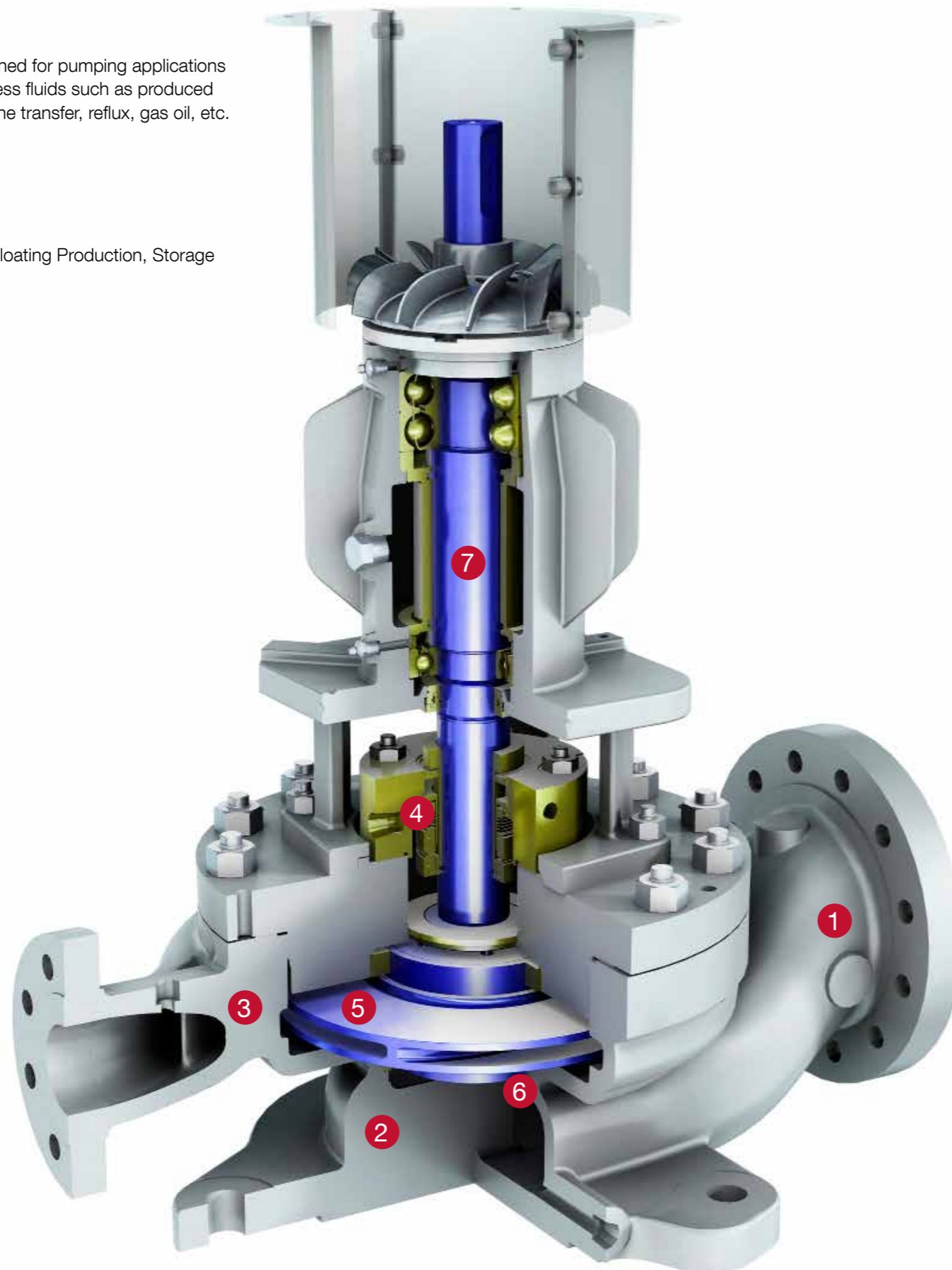


Main Applications

OHV and OHVL inline pumps are designed for pumping applications covering a myriad of produced or process fluids such as produced water booster, crude oil booster, propane transfer, reflux, gas oil, etc.

They are often installed in:

- Refineries
- Petrochemical plants
- Gas processing plants
- Bitumen processing plants
- Offshore oil production platforms or Floating Production, Storage and Offloading units (FPSO)



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 4 models

OHV Process Pump



Oil and gas



Hydrocarbon processing



Power generation



Pulp and paper



General industry



Chemical processing



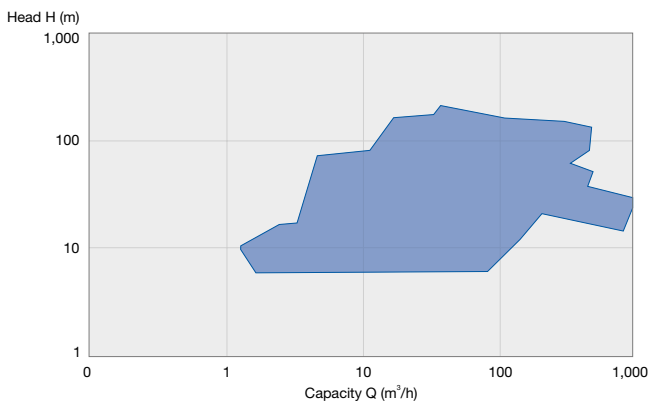
Water and wastewater

Operating data

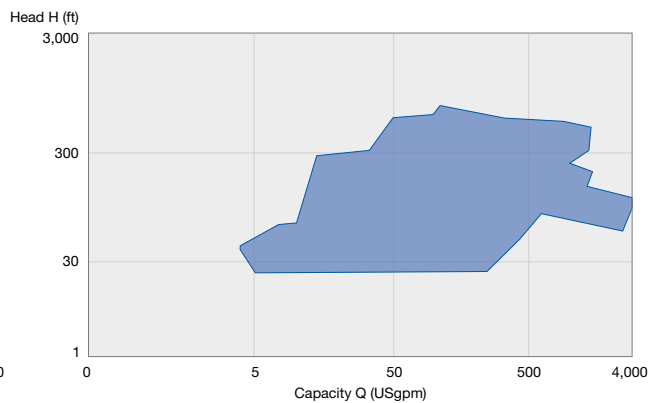
50 Hz		60 Hz
25 to 250 mm	Pump sizes	1 to 10 in
up to 1,450 m ³ /h	Capacities	up to 6,800 USgpm
up to 350 m	Heads	up to 1,150 ft
up to 51 bar	Pressures	up to 740 psi
-160 to +340°C	Temperatures	-256 to +650°F

Performance ranges

50 Hz



60 Hz



Materials

API material codes

S-5, S-6, S-8, C-6, A-8, D-1, D-2

OHVL Process Pump



Oil and gas



Hydrocarbon processing



Power generation



Pulp and paper



General industry



Chemical processing



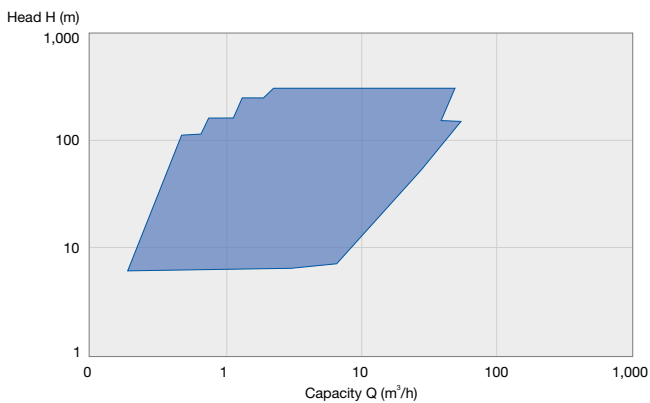
Water and wastewater

Operating data

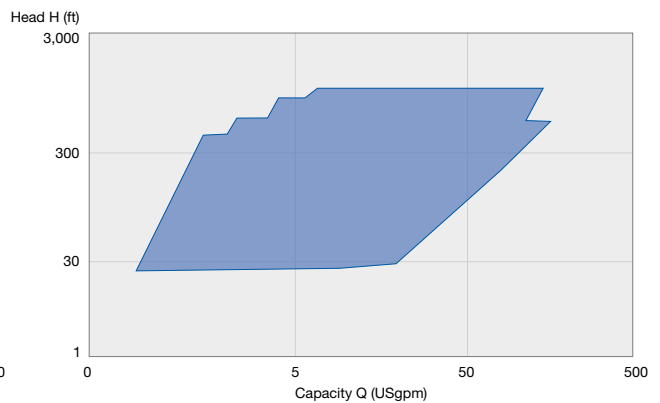
50 Hz		60 Hz
25 to 50 mm	Pump sizes	1 to 2 in
1 to 60 m ³ /h	Capacities	4 to 260 USgpm
up to 450 m	Heads	up to 1,500 ft
up to 51 bar	Pressures	up to 740 psi
-40 to +340°C	Temperatures	-40 to +650°F

Performance ranges

50 Hz



60 Hz



Materials

API material codes

S-5, S-6, S-8, C-6, A-8, D-1, D-2



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