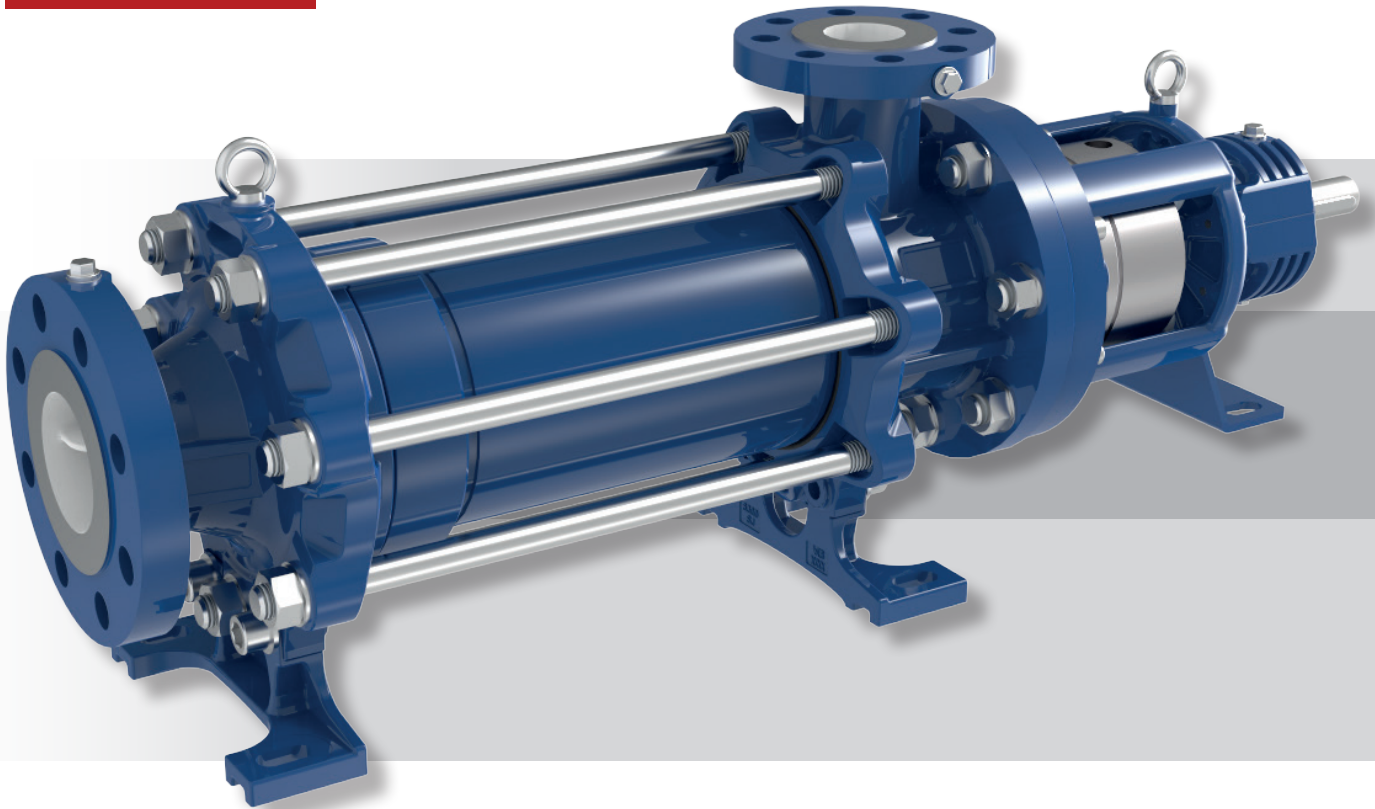


SLP

SERO
PumpSystems



High pressure pump SLP.

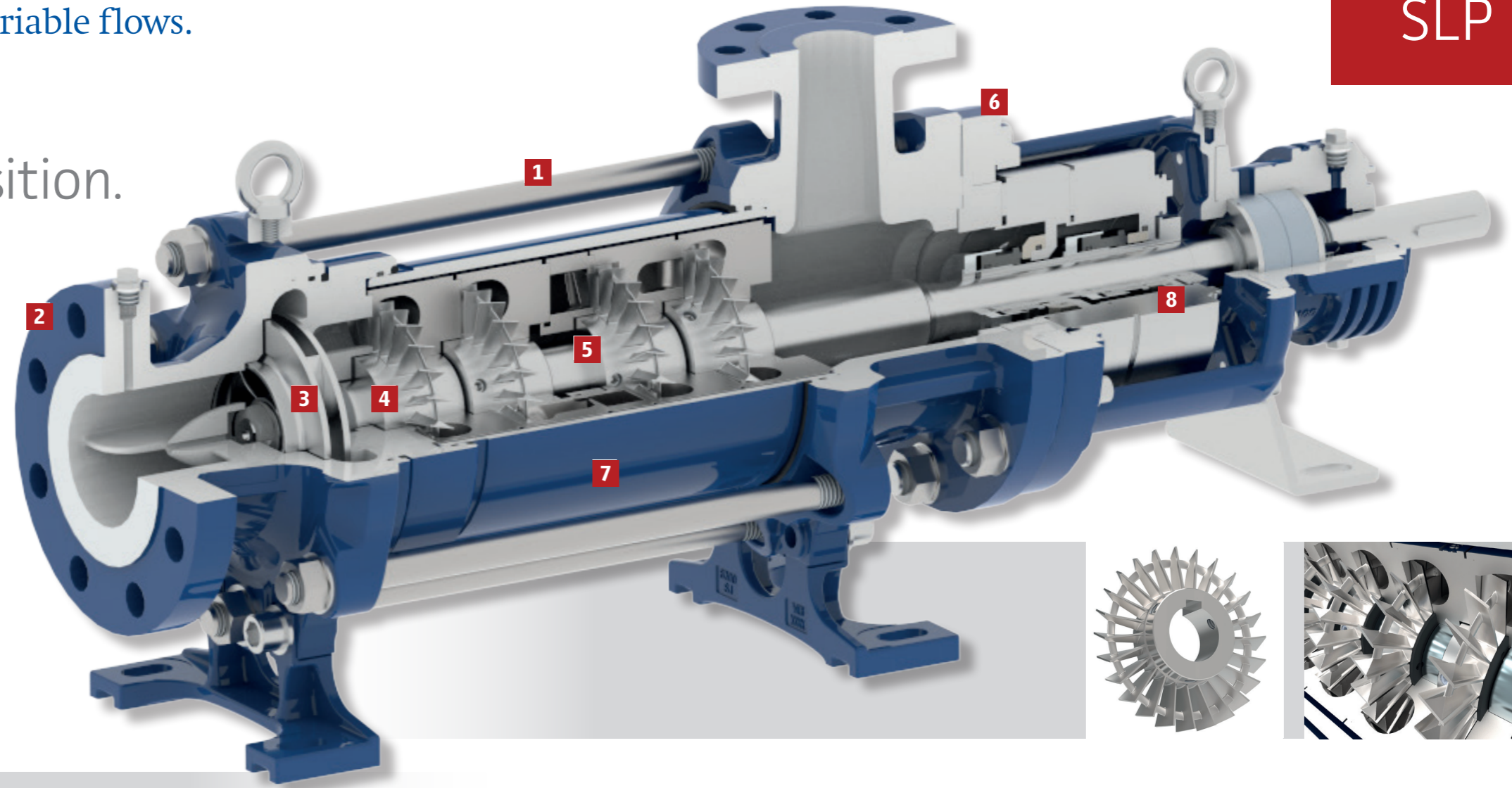
Variability on Process Demand

- Low flow and high heads
- Low NPSH requirements
- Pulsation-free flow rate
- Low viscosities

Constantly high pressures with variable flows.

Prime Performance.

Driving energy transition.



Design

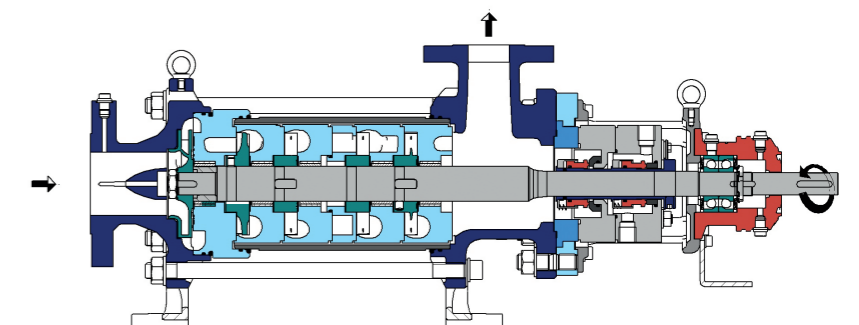
SLP 110-220-330		on demand	
Size	SLP 110	SLP 220	SLP 330
Suction casing	DN 50 2"	DN 80 3"	DN 80 3"
Discharge casing	DN 25 1"	DN 50 2"	DN 50 2"
Flanges	ASME B 16.5 – 300 lbs RF or DIN EN 1092.1 – PN 40		
Shaft seal	Mechanical cartridge seal single- or double-acting - for max. 40 bar (based on API 682) - according to API 682 - industrial standard		
API-Plan	02 23	02-52 02-53/54	02-76
Bearing (hydraulic end)	Based on required specific application Metal-jacketed silicon carbide (SiC) or carbongraphite, resin-impregnated or antimony-impregnated		
Bearing	Heavy angular ball bearings with lifetime grease-filling		
Direction of rotation	counterclockwise (seen from drive-end)		

Operating data

SLP 110-220-330		on demand	
Size	SLP 110	SLP 220	SLP 330
Flow rates	1–8,5 m³/h	7–23 m³/h	16–30 m³/h
Heads up to	650 m	800 m	650 m
Speed	up to 3500 1/min		
Temperature	-20 °C – +100 °C		
Nom. Pressure	constantly 40 bar (580 psi) differential pressure		
NPSH	0,3 m	0,5 m	
Viscosity	0,1 – 200 mPas		

Features

- 1** The SLP is designed for variable speed operation. When using a frequency inverter, a constant delivery pressure can be achieved over a large volume flow range.
- 2** Suction and discharge connections are optionally designed in accordance with ASME B 16.5 or DIN EN 1092-1.
- 3** Due to special suction stage speed independent NPSH-values of 0,3 m are achievable.
- 4** The high performance hydraulics is free of pulsation. The SLP is not self-priming, but ideal for handling vapor-laden process fluids.
- 5** A balance stage ensures optimum radial load distribution on the bearing bushings in the hydraulic area and thus ensures smoother running and a longer service life for the components.
- 6** The materials of the pump parts in contact with the media meet the specifications of API 610. The SLP series is available in various material classes and can be delivered within a very short time.
- 7** The hydraulic area is enclosed in a high-pressure barrel. This ensures maximum safety towards the atmosphere.
- 8** Different shaft seal designs are available. Cartridge mechanical seal, single or double-acting. According to API 682 or general industry standard.



Material Specification

	A-8	A-8	A-8
	Industry API 610 „full compliance“ down to -20 °C	Marine/offshore	Oil and gas midstream
Ambient temperature	-20 °C - +40 °C	-20 °C - +50 °C	-20 °C - +50 °C
Pressure casings	A351 Gr CF3M	A351 Gr CF3M	A351 Gr CF3M
Stages	A743 Gr CF3M	A743 Gr CF3M	A743 Gr CF3M
Impellers	A743 Gr CF3M	A743 Gr CF3M	A743 Gr CF3M
Shaft	EN 10088 – 1.4571 [316Ti]	EN 10088 – 1.4571 or 1.4021	EN 10088 – 1.4571 [316Ti]
Barrel	EN 10220 – 1.4571 [316Ti]	EN 10220 – 1.4571 [316Ti]	EN 10220 – 1.4571 [316Ti]
Bearing housing and Lantern	A352 Gr LC2 / EN 10083 – 1.5636	A352 Gr LC2 / EN 10083 – 1.5636	A352 Gr LC2 / EN 10083 – 1.5636
Fasteners	Carbon Steel	A4	A4
Painting	C3M (SERO A)	C5M (SERO M)	C2 (SERO S)

[Subject to change]

Performance range

