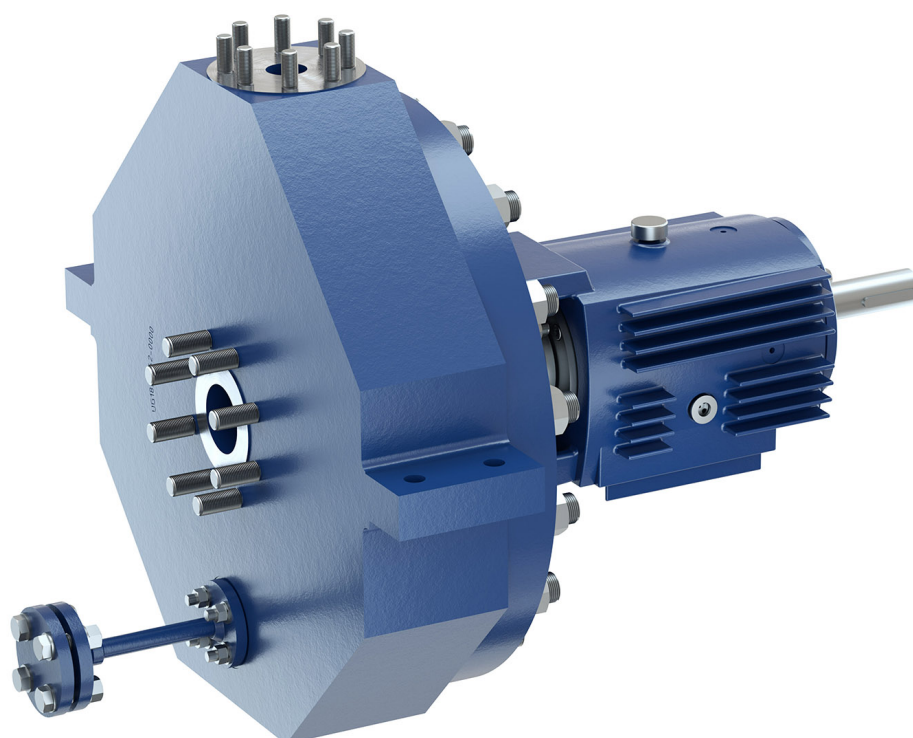


RPH-LF

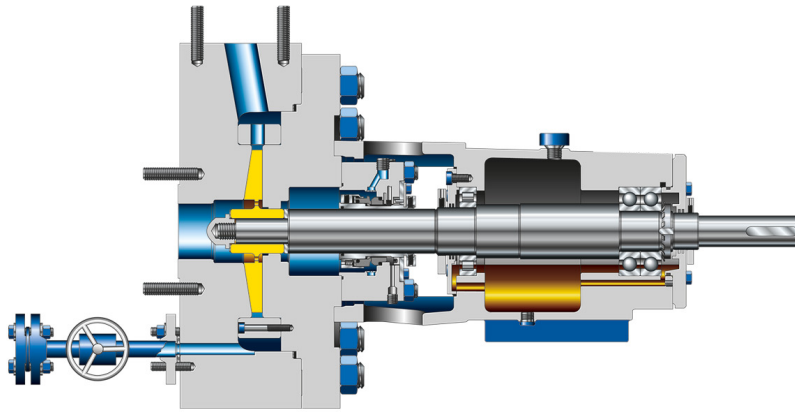
Single-suction, Single-stage Heavy-duty OH2 Process Pump to API 610 / ISO 13709



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- | | | |
|---------------------|--------------------------|----------------------|
| • Refineries | • Petrochemical industry | • Offshore processes |
| • Chemical industry | • Onshore processes | |
-



RPH-LF – Single-suction, Single-stage Heavy-duty OH2 Process Pump to API 610 / ISO 13709



Benefits

■ Minimum flow rate and high heads

- RPH-LF offers a very stable hydraulic performance, meets the requirements of the current API 610 standard and is ATEX-approved.
- Various impeller sizes and diffuser versions are available and can easily be adjusted to create tailored hydraulic solutions.

■ Innovative design

- Innovative hydraulic design, easy to match to the required duty point
- Machined from a single piece No radiographic testing required
- Large inlet area for good NPSH values without inducer

■ Long service life of the mechanical seal

- Maximum permissible shaft diameter to API 610 minimises shaft deflection and vibrations

■ High flexibility

- ANSI B16.5 Class 300 and Class 600 flanges available as standard. Various nozzle configurations with no extra capital investment that match the on-site piping system.

■ Long service life and high reliability of bearings

- Heavy-duty 40° angular contact thrust bearings exceeding API requirements
- Oil bath or oil mist lubrication

■ No cooling water circuit required

- When fluid temperature and ambient temperature are high, the steel bearing bracket with integrated cooling fins and the optional fan impeller protect the unit from overheating.

■ Service-friendly

- Cartridge mechanical seals to ISO 24109 / API 682 are easy to install/remove for maintenance.

Operating data

Characteristic	Value	
	50 Hz	60 Hz
Flow rate	Q [m³/h]	≤ 40
	Q [US.gpm]	≤ 176
Head	H [m]	≤ 339
	H [ft]	≤ 1112
Operating temperature	T [°C]	-30 to +200
	T [°F]	-20 to +392
Operating pressure	p [bar]	≤ 110
	p [psi]	≤ 1595
Nominal size	[mm]	50
	[inch]	2

Other values on request

Materials

S5, S6, S8, C6, A8, D1, D2 and special materials