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Pumps • Valves • Service



RPH-LF – Heavy duty OH2 process pump to API 610 / ISO 13709



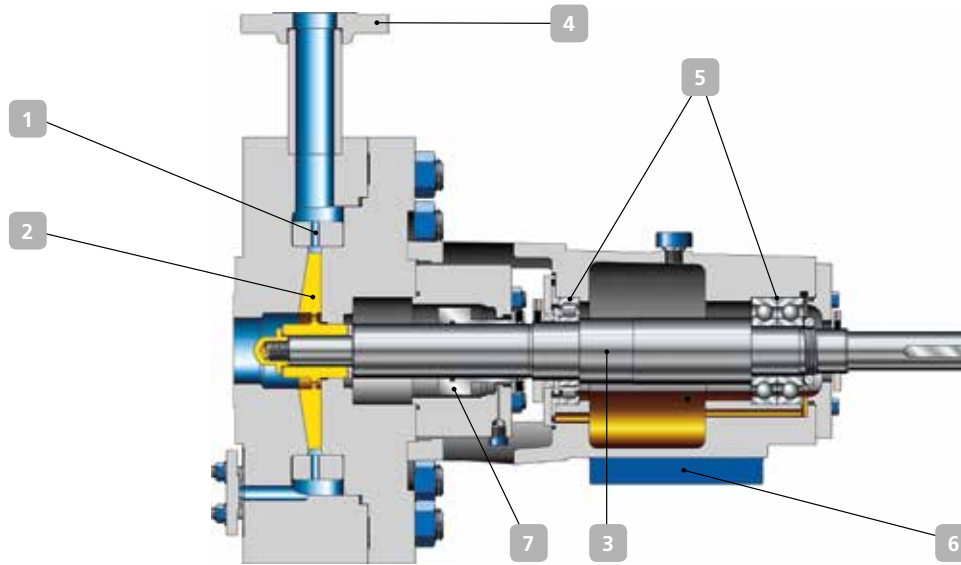
Applications:

- Chemical industry
- Pressure boosting
- Condensate transport
- Offshore platforms
- Petrochemical industry
- Refineries
- Heavy oil and coal upgrading
- Process engineering

More information:

www.ksb.com/products

RPH-LF – Heavy duty OH2 process pump to API 610 / ISO 13709



1 Low flow rates 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.

2 Innovative design

- Innovative hydraulic design, easy to match to the required duty point.
- Barske-type semi-open, double-acting impeller, free from axial forces, low suction specific speed.
- Machined from a single piece, with straight vanes.
- Large inlet area for good NPSH values without inducer.

3 Long service life of the mechanical seal

Maximum permissible shaft diameter to API 610 minimising shaft deflection and vibrations.

4 High flexibility

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

5 Long service life and high level of reliability of bearings

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

6 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.

7 Service-friendly

Mechanical seals to ISO 24109 / API 682 in cartridge design are easy to install/remove for maintenance.

Materials

S1, S5, S6, S8, C6, A8, D1, and special materials on request

Technical data

Max. flow rate	40 m ³ /h / 176 US gpm
Max. head	339 m / 1112 ft at 50 Hz, up to 488 m / 1601 ft at 60 Hz
Max. operating temperature	-30 to +200 °C / -20 °F to 392 °F
Size	DN 50 mm



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