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



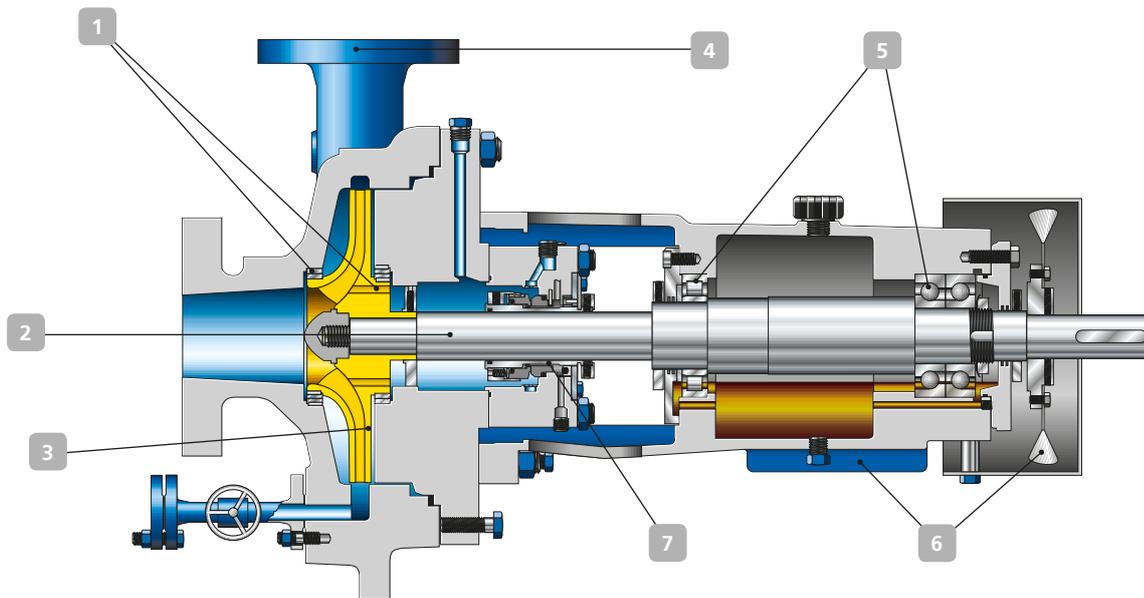
Applications:

- Oil and gas, petrochemical and power plants

More information:

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



1 Low maintenance costs

- Customized balancing system depending on the duty point markedly reduces axial forces, and increases bearing life.
- Double volute (DN 80 and above) reduces radial thrust and prevents shaft deflection, considerably reducing the loads on bearings and mechanical seal.

2 Long service life of the mechanical seal

Maximum shaft diameter as allowed per API 610 for low shaft deflection and reduced vibrations.

3 Reduced operating costs

With more than 70 hydraulics, always the best selection to API for a better efficiency.

4 High flexibility

The pump flanges are available for all common pipelines because they are built to all standards up to PN 100 / ASME Class 600.

5 Long service life and reliability of bearings

- Heavy-duty 40° angular contact thrust bearing exceeding the API requirements.
- Lubrication per oil bath or oil mist.

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 Easy to service

Mechanical seals as per ISO 24109 / API 682 in cartridge design for easy installation and removal.

Materials

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

Technical data

Pump size	DN 25 - 400
Max. flow rate	4,800 m ³ /h / 21,134 US gpm
Max. head	285 m / 935 ft
Max. discharge pressure	51 bar / 740 psi
Max. fluid temperature	-70 °C to +450 °C / -94 °F to +842 °F
Max. speed	3,500 min ⁻¹



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