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

Applications:
- Oil and gas, petrochemical and power plants

More information:
www.ksb.com/products
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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 m³/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 |