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

Applications:
Oil and gas, petrochemical and power plants

Further information: www.ksb.com/products
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, oil mist or oil purge.

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, D2 and special materials

Technical data:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Pump size</td>
<td>DN 25 - 400</td>
</tr>
<tr>
<td>Max. flow rate</td>
<td>4,800 m³/h / 21,134 US gpm</td>
</tr>
<tr>
<td>Max. head</td>
<td>285 m / 935 ft</td>
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<tr>
<td>Max. discharge pressure</td>
<td>51 bar / 740 psi</td>
</tr>
<tr>
<td>Max. fluid temperature</td>
<td>-70 °C to +450 °C / -94 °F to +842 °F</td>
</tr>
<tr>
<td>Max. speed</td>
<td>3,500 min⁻¹</td>
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