Pressure Compensator VGD / VD / VDH

Function

• Storage of seal liquid

Pressure compensator VGD

• Pressure compensator with storage vessel including pressure gauge and safety valve
• Possibility of cooling the seal liquid using a cooling jacket (water jacket)
• Monitoring the liquid level using a proximity switch

Pressure compensator VD120

• Pressure compensator for high-pressure seals
• Suitable for pressures up to 140 bar in combination with pressure splitting device VD120PS
• Proximity switch for monitoring the liquid level

Pressure compensator for high pressure VDH

• Installation “above head height” for automatic ventilation
• Magnetic roller display for monitoring the liquid level and automatic refilling

Advantages

ESD mechanical seals are designed on criteria ensuring minimum leakage rates involving usage of FEA. In contrast to other principles they therefore only require small reserves of lubricant.

Materials

Housing: Stainless steel
O-rings: FKM (Viton), FFKM (Kalrez, Chemraz etc.), special materials
Pressure Compensator incl. handpump

A glance into the interior of the pressure compensator

Pressure compensator VGD

### Application Data

<table>
<thead>
<tr>
<th></th>
<th>VGD</th>
<th>VD</th>
<th>VDH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working limits</strong></td>
<td>ESD34G, ESD64G, ESD44</td>
<td>ESD64H, ESD66H</td>
<td>ESD44ESM</td>
</tr>
<tr>
<td><strong>Volume</strong></td>
<td>0.3 l</td>
<td>VD120 : 0.8 l</td>
<td>VDH120 : 0.8 l</td>
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<tr>
<td><strong>Pressure ratio</strong></td>
<td>1 : 1.07</td>
<td>1 : 1.02</td>
<td>1 : 1</td>
</tr>
<tr>
<td><strong>Working pressure</strong></td>
<td>up to 40 bar</td>
<td>up to 70 bar</td>
<td>up to 160 bar</td>
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<td><strong>Zulassung</strong></td>
<td>acc. ATEX 94/9/EC</td>
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<td>acc. ATEX 94/9/EC</td>
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