### Features

Compact pressure reducing valve for use on autoclaves, sterilizers, humidifiers, etc. in the pharmaceutical, medical, food and other industries.

1. Wetted parts are stainless steel and USP/FDA compliant rubber or resin with high durability and corrosion resistance for long service life.
2. Double-guided valve for stable operation.
3. Internal buff-polishing with an additional interior and exterior electro-polish option to 0.4 μm Ra for improved resistance to bacterial growth.
4. Easy to operate and adjust.
5. Easy access to internal parts simplifies cleaning and reduces maintenance cost.
6. High flow rate for its class.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DR8-3P</th>
<th>DR8-6P</th>
<th>DR8-3EP*</th>
<th>DR8-6EP*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>Clamp End</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>DN 15, 20, 25 (ISO)</td>
<td>½&quot;, ¾&quot;, 1&quot; (ASME-BPE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Operating Pressure (barg)</td>
<td>PMO</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Operating Temperature (°C)</td>
<td>TMO</td>
<td>175</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary Pressure Range (barg)</td>
<td></td>
<td>2 – 4</td>
<td>4 – 8</td>
<td>2 – 4</td>
</tr>
<tr>
<td>Adjustable Pressure Range (barg)</td>
<td></td>
<td>0.18 – 3</td>
<td>2.7 – 6</td>
<td>0.18 – 3</td>
</tr>
<tr>
<td>Finishing**</td>
<td>Internal</td>
<td>0.8μm Ra Buff-polished</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>External</td>
<td>25μm Ra electro-polished</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applicable Fluids***</td>
<td>Steam</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Option ** Treated base surfaces are lost-wax cast *** Do not use for toxic, flammable, or otherwise hazardous fluids. 1 bar = 0.1 MPa

### Applicable Fluids***

- Steam

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**CAUTION**

To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

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**USP**

- A: 21 CFR 177.2600, B: 21 CFR 177.1550, C: 21 CFR 177.2415

**FDA**

- A: 21 CFR 177.2600, B: 21 CFR 177.1550, C: 21 CFR 177.2415

**Parts with USP/FDA Compliant Materials**

- O-Ring: FEP Coated Silicone Rubber
- Internal (Silicone): Coating [FEP]
- Class VI

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**Equivalent materials:**

- FDA compliant material. See the table above-right for details.
- Fluorinated Ethylene Propylene Copolymer

**Replacement kits available:**

- (M) maintenance parts, (D) diaphragm repair parts,
  (V) valve repair parts, (G) valve guide repair parts
Sizing Chart and Flow Graph (Max. Flow Rate)

Primary Pressure $P_1$ (barg)

Secondary Pressure $P_2$ (barg)

Maximum Flow Rate (kg/h)

Manufacturer

ISO 9001/ISO 14001

It is approved by JQA Ltd. (ISO 3834-2 NN).