The safety shut-off valve is designed for use in gas distribution and pressure regulation systems. The device protects the downstream pipe against over-pressure or low-pressure failure by automatically stopping the flow.

**KEY BENEFITS**
- Accurate operation
- Compact design
- Easy maintenance

**DESCRIPTION**
The 8200 - 8300 series is a direct-acting safety shut-off valve, operated by a loading spring and a diaphragm control unit. It is fitted with an external manual reset.

**Technical Features**
- **Inlet pressure range**: up to 10 bar
- **Over-pressure shut-off range**: 28 mbar to 5.6 bar
- **Under-pressure shut-off range**: 5 mbar to 2.7 bar
- **Accuracy class**: AG 5 to AG 30
- **Operating temperature**: -20°C to +60°C
- **Acceptable gases**: Natural gas, propane, butane, air, nitrogen and all non-corrosive gases.

**Sizes & Connections**
- **Sizes**: Rp 1
- **Type**: Internal thread ISO 7-1

**Materials**
- **Body**: Spheroidal graphite iron ISO 1083
- **Cover**: Die cast aluminium
- **Internal parts**: Stainless steel and brass

**SPECIFICATIONS**

![Image of SSV 8200/8300 safety shut-off valve](image-url)
SPRING SELECTION TABLES

**SSV 8200/8300**
Ø 120 mm head (low pressure)

**Over-pressure Shut-off springs**

<table>
<thead>
<tr>
<th>Spring Code</th>
<th>Spring Code</th>
<th>d (mm)</th>
<th>De (mm)</th>
<th>Lo (mm)</th>
<th>Lt</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>20563022</td>
<td></td>
<td>1.5</td>
<td>25</td>
<td>35</td>
<td>5.5</td>
<td>28 - 60 mbar</td>
</tr>
<tr>
<td>20563023</td>
<td></td>
<td>1.7</td>
<td>25</td>
<td>35</td>
<td>5.5</td>
<td>40 - 100 mbar</td>
</tr>
<tr>
<td>20563014</td>
<td></td>
<td>1.9</td>
<td>25</td>
<td>35</td>
<td>5.5</td>
<td>60 - 140 mbar</td>
</tr>
<tr>
<td>20563124</td>
<td></td>
<td>2.2</td>
<td>25</td>
<td>35</td>
<td>5.5</td>
<td>130 - 260 mbar</td>
</tr>
</tbody>
</table>

**Under-Pressure Shut-off Springs**

<table>
<thead>
<tr>
<th>Spring Code</th>
<th>Spring Code</th>
<th>d (mm)</th>
<th>De (mm)</th>
<th>Lo (mm)</th>
<th>Lt</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>20560522</td>
<td></td>
<td>0.7</td>
<td>10</td>
<td>20</td>
<td>7</td>
<td>5 - 12 mbar</td>
</tr>
<tr>
<td>20560511</td>
<td></td>
<td>0.8</td>
<td>10</td>
<td>20</td>
<td>7</td>
<td>10 - 25 mbar</td>
</tr>
<tr>
<td>20560515</td>
<td></td>
<td>0.8</td>
<td>10</td>
<td>30</td>
<td>10</td>
<td>20 - 35 mbar</td>
</tr>
<tr>
<td>20560518</td>
<td></td>
<td>0.9</td>
<td>10</td>
<td>30</td>
<td>10</td>
<td>32 - 45 mbar</td>
</tr>
</tbody>
</table>

**SSV 8300**
Ø 90mm and 90/TR head (medium and high pressure)

**Over-pressure Shut-off springs**

<table>
<thead>
<tr>
<th>Spring Code</th>
<th>Spring Code</th>
<th>d (mm)</th>
<th>De (mm)</th>
<th>Lo (mm)</th>
<th>Lt</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>20565225</td>
<td></td>
<td>2</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>0.12 - 0.20 bar</td>
</tr>
<tr>
<td>20565125</td>
<td></td>
<td>2.5</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>0.20 - 0.46 bar</td>
</tr>
<tr>
<td>20565126</td>
<td></td>
<td>3</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>0.42 - 0.90 bar</td>
</tr>
<tr>
<td>20565127</td>
<td></td>
<td>3.5</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>0.83 - 1.84 bar</td>
</tr>
<tr>
<td>20565128</td>
<td></td>
<td>4</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>2.30 - 4.20 bar</td>
</tr>
<tr>
<td>20565129</td>
<td></td>
<td>4.5</td>
<td>35</td>
<td>50</td>
<td>6</td>
<td>3.60 - 5.60 bar</td>
</tr>
</tbody>
</table>

**Under-Pressure Shut-off Springs**

<table>
<thead>
<tr>
<th>Spring Code</th>
<th>Spring Code</th>
<th>d (mm)</th>
<th>De (mm)</th>
<th>Lo (mm)</th>
<th>Lt</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>20561022</td>
<td></td>
<td>1.2</td>
<td>15</td>
<td>35</td>
<td>7.75</td>
<td>0.05 - 0.08 bar</td>
</tr>
<tr>
<td>20560815</td>
<td></td>
<td>1.3</td>
<td>15</td>
<td>35</td>
<td>8</td>
<td>0.06 - 0.10 bar</td>
</tr>
<tr>
<td>20561023</td>
<td></td>
<td>1.5</td>
<td>15</td>
<td>35</td>
<td>7.75</td>
<td>0.10 - 0.18 bar</td>
</tr>
<tr>
<td>20561024</td>
<td></td>
<td>1.8</td>
<td>15</td>
<td>35</td>
<td>7.5</td>
<td>0.15 - 0.37 bar</td>
</tr>
<tr>
<td>20561121</td>
<td></td>
<td>2</td>
<td>15</td>
<td>35</td>
<td>7.25</td>
<td>0.32 - 0.75 bar</td>
</tr>
<tr>
<td>20561122</td>
<td></td>
<td>2.5</td>
<td>15</td>
<td>35</td>
<td>7.25</td>
<td>1.08 - 2.70 bar</td>
</tr>
</tbody>
</table>

**OVERALL DIMENSIONS (MM)**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>8211/12-8311/12 (Ø 120)</td>
<td>130</td>
<td>175</td>
<td>55</td>
<td>120</td>
<td>40</td>
</tr>
<tr>
<td>8321/22-8331/32 (Ø 90 and Ø 90/TR)</td>
<td>130</td>
<td>195</td>
<td>55</td>
<td>90</td>
<td>40</td>
</tr>
</tbody>
</table>

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