The VOLT Direct Acting Low Pressure Reducing Valve has a 316 Stainless Steel body, screwed BSP and flanged PN16 (on Request) and is suitable for air, water up to 80 °C at pressures from 10 Bar inlet and a range of between 1.5 to 0.2 Bar outlet pressure. Adjustment is via threaded bolt which alters the outlet pressure. The pressure gauge which is supplied with the valve, accurately indicates the outlet pressure. Seal Material NBR.
Direct Acting Pressure Reducing Valve

### Table 1: Number and Description

<table>
<thead>
<tr>
<th>No.</th>
<th>Number and Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gauge</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>2</td>
<td>Cover</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>3</td>
<td>O ring</td>
<td>NBR or VITON</td>
</tr>
<tr>
<td>4</td>
<td>Piston</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>5</td>
<td>Sealing Spacer</td>
<td>NBR or VITON</td>
</tr>
<tr>
<td>6</td>
<td>Shaft</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>7</td>
<td>Main Body</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>8</td>
<td>Diaphragm</td>
<td>NBR or VITON</td>
</tr>
<tr>
<td>9</td>
<td>O Ring</td>
<td>NBR or VITON</td>
</tr>
<tr>
<td>10</td>
<td>Spring</td>
<td>Spring Steel</td>
</tr>
<tr>
<td>11</td>
<td>Cover</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>12</td>
<td>Washer Brass</td>
<td>Brass</td>
</tr>
<tr>
<td>13</td>
<td>Adjusting Stem</td>
<td>304 Stainless Steel</td>
</tr>
</tbody>
</table>

### Graph 1: Setting Outlet Pressure vs. Size

- Max. Flow rate-water: Lbears/min

### Table 2: Pressure

<table>
<thead>
<tr>
<th>PORT BSP</th>
<th>Dimension</th>
<th>Weight KG</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>L</td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>70</td>
<td>110</td>
<td>1.3</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>85</td>
<td>125</td>
<td>1.5</td>
</tr>
<tr>
<td>1&quot;</td>
<td>92</td>
<td>125</td>
<td>1.6</td>
</tr>
<tr>
<td>11/2&quot;</td>
<td>115</td>
<td>155</td>
<td>3</td>
</tr>
<tr>
<td>2&quot;</td>
<td>120</td>
<td>155</td>
<td>4</td>
</tr>
</tbody>
</table>

### Pressure Adjusting Range:
- Min 0.2 Bar Max 1.5 Bar

### Seal Material

- **STANDARD** NBR (80°C)
- On Request FKM (140°C)
- On Request PTFE (180°C)