PRESSURE REGULATING STATION 684NG
for acetylene, up to 10 m³/h (manual)

Benefits
- pressure regulating station complete, mounted and tested
- quick and easy wall mounting
- compact design (e.g. suitable for cylinder cabinets)
- pressure regulating station according to DIN EN ISO 14114
- pressure regulator according to DIN EN ISO 7291

Operation / Usage
The pressure regulating station ensures continuous gas supply and control of a pipeline, which is connected with pipeline outlets and reduces the risk of accidents. A supply by single cylinders is not available.

Assembly
(1x1) pressure regulating station 684NG
(2x1) pressure regulating station 684NG manually changeable
consisting of:
2/2-way-high pressure ball valve DN6 1x or 2x dependant on option
1x pressure regulator with blow off valve
1x safety device 85-10 according to DIN EN ISO 5175-1 against back flow and flashback
1x ball valve in the outlet DN8; G 3/8 F complete mounted and tested on stainless steel plate

Options
- automatic quick acting shut-off device HDS17 according to EN ISO 15615
- flexible hose standards (BAM certified) for connection of pressure regulating station with gas supply (cylinder, gas cylinder manifolds, bundles, ...), adaptor suitable for bundle connection
- screw connection for pipe (soldering end, WITTFIX, welding end)
- extension module for connection of further single cylinder or cylinder bundles with pressure regulating station
- information board with concise instructions
- instruction plate according to the gas

Approvals
Company certified according to ISO 9001

Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>1x1</th>
<th>2x1 w. HDS17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order-No.</td>
<td>193-001-001</td>
<td>193-002-001</td>
</tr>
<tr>
<td>p_v max. [bar]</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>p_v max. (statically) [bar]</td>
<td>0 - 1.5</td>
<td>0 - 1.5</td>
</tr>
<tr>
<td>Q max. (at 1.5 bar) [m³/h]</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

Connections
Inlet
- RH F G 1/4
- RH F G 3/8
Outlet
- RH F G 3/8
- RH F G 3/8

Dimensions
- Height [mm]: 400, 400, 400
- Width [mm]: 300, 300, 400
- Depth [mm]: 130, 130, 150
- Weight [kg]: 4.5, 5.5, 8.0

Flow of pressure regulator (in Nm³/h) in relation to air

<table>
<thead>
<tr>
<th>Inlet pressure P_v [bar]</th>
<th>0.1</th>
<th>0.2</th>
<th>0.3</th>
<th>0.4</th>
<th>0.6</th>
<th>0.7</th>
<th>0.8</th>
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</thead>
<tbody>
<tr>
<td>Outlet pressure P_v [bar]</td>
<td>2.0</td>
<td>5.5</td>
<td>7.8</td>
<td>9.6</td>
<td>11.5</td>
<td>11.7</td>
<td>11.9</td>
</tr>
<tr>
<td></td>
<td>0.9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>12.0</td>
<td>12.1</td>
<td>12.2</td>
<td>12.25</td>
<td>12.25</td>
<td>12.3</td>
<td>12.3</td>
</tr>
</tbody>
</table>

Other connections available on request.

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