STAINLESS STEEL GLOBE VALVE PN16

Size: DN 1/2" to 2"
Ends: Female - Female BSP
Min Temperature Mini: -20°C
Max Temperature Maxi: +180°C
Max Pressure: 16 Bars
Specifications: Rising rotating stem and handwheel
PTFE packing
Reduced bore

Materials: S.S. ASTM A351 CF8M
STAINLESS STEEL GLOBE VALVE PN16

SPECIFICATIONS:

- Respect the flow direction (indicated by the arrow)
- Rising rotating stem and handwheel
- PTFE packing
- S.S. ASTM A351 CF8M body
- Reduced bore
- Threaded female BSP cylindric

USE:

- For common fluids
- Min and max Temperature Ts: -20°C to +180°C
- Max Pressure PN: 16 bars (see graph)
- Do not use for steam

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED):

PRESSURE

BAR

16
13.8
10.3
6.9
3.4
0

TEMPERATURE

-20 0 50 100 150 180 °C

Information provided as an indication and subject to possible modification
HEAD LOSS GRAPH:

∆p (Bar) vs. Flow (L/min)

FLOW COEFFICIENT Kv (m³/h):

<table>
<thead>
<tr>
<th>DN</th>
<th>1/2&quot;</th>
<th>3/4&quot;</th>
<th>1&quot;</th>
<th>1&quot; 1/4</th>
<th>1&quot; 1/2</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kv</td>
<td>1.88</td>
<td>3.06</td>
<td>5.67</td>
<td>9.05</td>
<td>15.18</td>
<td>24.94</td>
</tr>
</tbody>
</table>

RANGE:

- Globe valve female threaded cylindrical BSP from DN 1/2" to DN 2" Ref. 485
STAINLESS STEEL GLOBE VALVE PN16

**MATERIALS:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Designation</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>ASTM A351 CF8M</td>
</tr>
<tr>
<td>2</td>
<td>Body seal</td>
<td>PTFE</td>
</tr>
<tr>
<td>3</td>
<td>Disc</td>
<td>SS 316</td>
</tr>
<tr>
<td>4</td>
<td>Stem</td>
<td>SS 316</td>
</tr>
<tr>
<td>5</td>
<td>Bonnet</td>
<td>SS 316</td>
</tr>
<tr>
<td>6</td>
<td>Packing</td>
<td>PTFE</td>
</tr>
<tr>
<td>7</td>
<td>Packing gland</td>
<td>SS 304</td>
</tr>
<tr>
<td>8</td>
<td>Packing nut</td>
<td>ASTM A351 CF8M</td>
</tr>
<tr>
<td>9</td>
<td>Handwheel</td>
<td>Steel</td>
</tr>
<tr>
<td>10</td>
<td>Name plate</td>
<td>SS 304</td>
</tr>
<tr>
<td>11</td>
<td>Washer</td>
<td>SS 316</td>
</tr>
<tr>
<td>12</td>
<td>Nut</td>
<td>SS 304</td>
</tr>
</tbody>
</table>
STAINLESS STEEL GLOBE VALVE PN16

SIZE (in mm):

<table>
<thead>
<tr>
<th>REF.</th>
<th>DN</th>
<th>1/2&quot;</th>
<th>3/4&quot;</th>
<th>1&quot;</th>
<th>1&quot;1/4</th>
<th>1&quot;1/2</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>485</td>
<td>Ø d</td>
<td>12</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>32</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>52</td>
<td>60</td>
<td>72</td>
<td>81</td>
<td>90</td>
<td>101</td>
</tr>
<tr>
<td></td>
<td>H (opened)</td>
<td>79</td>
<td>91</td>
<td>105</td>
<td>127</td>
<td>142</td>
<td>158</td>
</tr>
<tr>
<td></td>
<td>Ø V</td>
<td>70</td>
<td>70</td>
<td>80</td>
<td>80</td>
<td>90</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Weight (in Kg)</td>
<td>0.26</td>
<td>0.44</td>
<td>0.60</td>
<td>0.96</td>
<td>1.22</td>
<td>1.74</td>
</tr>
</tbody>
</table>
STAINLESS STEEL GLOBE VALVE PN16

STANDARDS:

- Fabrication according to ISO 9001 : 2008

- DIRECTIVE 97/23/CE : Risk category I module A

- Tests according to EN 12266-1

- Threaded BSP female cylindrical according to ISO 228/1

ADVICE: Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.
INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES:

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of pipework as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
- Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).

INSTALLATION INSTRUCTIONS:

- Before installing the valves, clean and remove any objects from the pipes (in particular bits of sealing and metal) which could obstruct and block the valves.
- Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not, the valves may not work correctly).
- Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture. To be sure, place the kit in position to ensure the assembling will work.
- The theoretical lengths given by ISO/R7 for the tapping are typically longer than required, the length of the thread should be limited, and check that the end of the tube does not press right up to the head of the thread.
- Never use a vice to tighten the fixings of the valve.
- If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.
- It may be necessary to screw the packing gland during using according to the type of use.
- Do not use a tool to shut the valve.
- Fluids in the valve must not contain solid objects (it could damage the seat).
- It’s recommended to operate the valve (open and close) 1 to 2 times per year.