AVK GATE VALVE DN700-1200, PN16 WITHOUT BYPASS

Metal seated gate valve designed according to BS EN 1074 Parts 1 & 2
Face to face dimensions to BS 5163:1986
Flanges cast to BS EN 1092-2, PN16 and drilled to AS 4087 B5
Distance piece mounting flange to ISO 5210

Use:
• For water, sewage and neutral liquid applications
• Valve designed for use up to 70°C
• FBE coating to AS 4158 (DN700-1000)
• 2pack epoxy to 500 microns for DN1200
  Note: Valve stuffing box to be accessible in below ground installation

Tests:
• Hydraulic test in accordance with AS 2638.1
• Valve Seat Test - both directions:
  - 17.6 bar
• Body test:
  - 24 bar
• Coating tests:
  - Holiday test as per AS 3894.1 at 5V per micron
  - Thickness test as per AS 3894.3

Optional Extras:
• Extension spindle
• Gearbox
• Electric actuators
• Bypass

Bypass valve:
• Resilient seated gate valve
AVK GATE VALVE DN700-1200, PN16 WITHOUT BYPASS

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product program.

Component list

1. Body Ductile Iron, GJS-500-7 to EN 1563, (BS 2789 grade 500-7)
2. Seat ring Gunmetal to EN 1982 CC491K (BS 1400)
3. Wedge ring Gunmetal to EN 1982 CC491K (BS 1400)
4. Wedge Ductile Iron, GJS-500-7 to EN 1563 (BS 2789 grade 500-7)
5. Stem nut Gunmetal to EN 1982 CC491K (BS 1400)
6. Stem Stainless Steel 431
7. O-ring EPDM/NBR
8. Bonnet Ductile Iron, GJS-500-7 to EN 1563 (BS 2789 grade 500-7)
9. Packing PTFE impregnated cord
10. Mounting flange Ductile Iron, GJS-500-7 to EN 1563 (BS 2789 grade 500-7)
11. Key Stainless Steel 316 (Grade A4)
12. Thrust nut Stainless Steel 316 (Grade A4)
13. Grub screw Stainless Steel 316 (Grade A4)
14. Stub Stainless Steel 316 (Grade A4)
15. Nut Stainless Steel 316 (Grade A4)
16. Washer Stainless Steel 316 (Grade A4)
17. Gland Ductile Iron, GJS-500-7 to EN 1563 (BS 2789 grade 500-7)
18. Screw Stainless Steel 316 (Grade A4)
19. Washer Stainless Steel 316 (Grade A4)
20. Plug Gunmetal to EN 1982 CC491K (BS 400)
21. Gasket EPDM
22. Hex screw Stainless Steel 316 (Grade A4)
23. Washer Stainless Steel 316 (Grade A4)
24. Nut Stainless Steel 316 (Grade A4)
25. Stub bolt Stainless Steel 316 (Grade A4)

Components can be substituted with equivalent or higher class materials.

Reference nos. and dimensions

<table>
<thead>
<tr>
<th>AVK ref. nos.</th>
<th>AVK ref. nos ACC</th>
<th>DN mm</th>
<th>L mm</th>
<th>H1 mm</th>
<th>H2 mm</th>
<th>W mm</th>
<th>W1 mm</th>
<th>F2 mm</th>
<th>ISO flange</th>
<th>Bypass</th>
<th>Theoretical weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>54070055584Y502</td>
<td>54070056584Y502</td>
<td>700</td>
<td>610</td>
<td>1497</td>
<td>455</td>
<td>1050</td>
<td>524</td>
<td>129</td>
<td>Y</td>
<td>NA</td>
<td>1441</td>
</tr>
<tr>
<td>54075055584Y502</td>
<td>54075056584Y502</td>
<td>750</td>
<td>950</td>
<td>1689</td>
<td>540</td>
<td>1160</td>
<td>580</td>
<td>144</td>
<td>Y</td>
<td>NA</td>
<td>1958</td>
</tr>
<tr>
<td>54080055584Y506</td>
<td>54080056584Y506</td>
<td>750</td>
<td>660</td>
<td>1689</td>
<td>552</td>
<td>1160</td>
<td>580</td>
<td>129</td>
<td>Y</td>
<td>NA</td>
<td>1790</td>
</tr>
<tr>
<td>54080055584Y502</td>
<td>54080056584Y502</td>
<td>800</td>
<td>660</td>
<td>1689</td>
<td>552</td>
<td>1160</td>
<td>580</td>
<td>129</td>
<td>Y</td>
<td>NA</td>
<td>1790</td>
</tr>
<tr>
<td>54090055584Y502</td>
<td>54090056584Y502</td>
<td>900</td>
<td>711</td>
<td>1844</td>
<td>620</td>
<td>1310</td>
<td>655</td>
<td>131</td>
<td>Y</td>
<td>NA</td>
<td>2342</td>
</tr>
<tr>
<td>54100055584Y502</td>
<td>54100056584Y502</td>
<td>1000</td>
<td>813</td>
<td>2007</td>
<td>648</td>
<td>1404</td>
<td>702</td>
<td>136</td>
<td>Y</td>
<td>NA</td>
<td>3058</td>
</tr>
<tr>
<td>54120055584Y504</td>
<td>54120056584Y504</td>
<td>1200**</td>
<td>914</td>
<td>2427</td>
<td>773</td>
<td>1712</td>
<td>856</td>
<td>136</td>
<td>Y</td>
<td>NA</td>
<td>4691</td>
</tr>
</tbody>
</table>

* DN800 drilled to DN750
** Coating two pack epoxy 500 microns
Y=ISO flange: 1=F14 2=F16 3=F25 4=F30 5=F35

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product program.