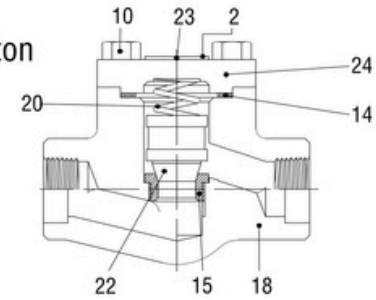
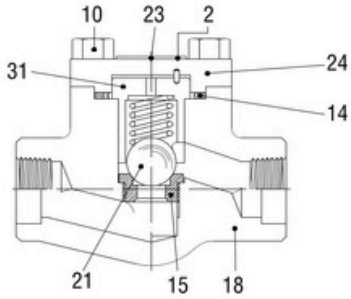
# CHECK VALVES

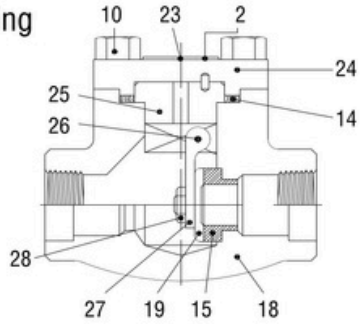
Piston




Ball




Swing




| | | |
|---|---|---|
| 2 | NAMEPLATE | A corrosion resistant metal. |
| 10 | BOLTS | Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602. |
| 14 | GASKET | Refer to API 602 (see 5.5.3). |
| 15 | SEAT | The base material of the seat ring, when used, shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602 (see 6.1.4). |
| 18 | BODY | A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602. |
| 19 | DISC | The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4). |
| 20 | SPRING | Similar material composition as would be used for a valve stem, based on the valve trim requirement. |
| 21 | BALL | The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4). |
| 22 | PISTON | The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4). |
| 23 | RIVET* | Manufacturer standard, refer to table below. |
| 24 | BONNET | A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602. |
| 25 | SUPPORT* | Manufacturer standard, refer to table below. |
| 26 | HINGE PIN | Similar material composition as would be used for a valve stem, based on the valve trim requirement. |
| 27 | DISC HINGE | Similar material composition as would be used for a valve stem, based on the valve trim requirement. |
| 28 | DISC NUT | Similar material composition as would be used for a valve stem, based on the valve trim requirement. |
| 31 | BALL GUIDE* | Manufacturer standard, refer to table below. |

| DESCRIPTION | A105N/F6 | A105N/F6HFS | LF2/F304 | F11/F6HFS | F304/F304 | F316/F316 |
|---|---|---|---|---|---|---|
| RIVET | 316 | 316 | 316 | 316 | 316 | 316 |
| NAMEPLATE | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium |
| BOLTS | B7 | B7 | L7 | B16 | B8M CL.1 | B8M CL.1 |
| BONNET/COVER | A105N | A105N | LF2 | F11 Cl.2 | 304/304L | 316/316L |
| GASKET | 316+Graphite | 316+Graphite | 316+Graphite | 316+Graphite | 316+Graphite | 316+Graphite |
| SEAT | F6a Cl.2 (410) | 410 HF | 304/304L | 410 HF | 304/304L | 316 |
| SPRING (*) | AISI 301 | AISI 301 | AISI 301 | AISI 301 | AISI 301 | X-750 |
| PISTON | F6a Cl.2 (410) | F6a Cl.2 (410) | 304/304L | F6a Cl.2 (410) | 304/304L | 316 |
| BODY | A105N | A105N | LF2 | F11 Cl.2 | 304/304L | 316/316L |
| BALL | F6a Cl.2 (410) | F6a Cl.2 (410) | 316 | F6a Cl.2 (410) | 316 | 316 |
| BALL GUIDE | LF2 | LF2 | LF2 | 316 | 316 | 316 |
| DISC | F6a Cl.2 (410) | F6a Cl.2 (410) | 304/304L | F6a Cl.2 (410) | 304/304L | 316 |
| SUPPORT | LF2 | LF2 | LF2 | 316 | 316 | 316 |
| HINGE PIN | F6a Cl.2 (410) | F6a Cl.2 (410) | 316 | F6a Cl.2 (410) | 316 | 316 |
| DISC HINGE | F6a Cl.2 (410) | F6a Cl.2 (410) | 316 | F6a Cl.2 (410) | 316 | 316 |
| DISC NUT | Gr.8M | Gr.8M | Gr.8M | Gr.8M | Gr.8M | Gr.8M |

NOTE * Spring is an optional feature for Ball Check valves, supplied upon request.

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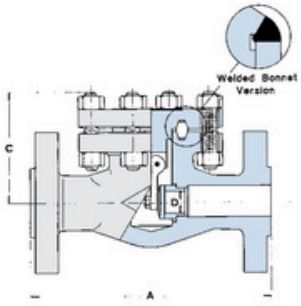
F6-RJ660




RATINGS: Carbon Steel
Class 150: 285 p.s.i. @ 100°F - Class 300: 740 p.s.i. @ 100°F
Class 600: 1480 p.s.i. @ 100°F

# CLASS 600

**SWING TYPE - FULL BORE - BS 5352**
Round Bolted Cover - Integral Flanged Ends according to ASME B16.5

| FULL BORE | | | 1/4 | | 3/8 | | 1/2 | | 3/4 | | 1 | | 1 1/4 | | 1 1/2 | | 2 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in |
| Class 600 F6-RJ660 | | A | - | - | - | - | 165 | 6.49 | 190 | 7.51 | 216 | 8.50 | - | - | 241 | 9.48 | 292 | 11.5 |
| Open Center toTop | Class 150 | C | - | - | - | - | 75 | 2.95 | 100 | 3.93 | 110 | 4.33 | - | - | 120 | 4.72 | 147 | 5.78 |
| | Class 300-600 | C | - | - | - | - | 115 | 4.52 | 130 | 5.11 | 140 | 5.51 | - | - | 170 | 6.69 | 195 | 7.67 |
| Flow Passageway | | D | - | - | - | - | 14 | 0.55 | 18 | 0.70 | 24 | 0.94 | - | - | 37 | 1.45 | 48 | 1.89 |
| Approx. Weight | Class 150 | kg/lb | - | - | - | - | 3.1 | 6.8 | 3.4 | 7.5 | 4.5 | 9.9 | - | - | 6.8 | 14.9 | 15.7 | 34.5 |
| | Class 300 | kg/lb | - | - | - | - | 4.6 | 10.1 | 6.1 | 13.4 | 9.3 | 20.5 | - | - | 16.5 | 36.3 | 21 | 46.2 |
| | Class 600 | kg/lb | - | - | - | - | 4.8 | 10.5 | 6.3 | 13.8 | 9.3 | 20.5 | - | - | 16.5 | 36.3 | 22 | 48.4 |

End to end dimension according to ANSI B16.10
Spiral wound gasket joint for #150

Ring-Joint gasket according to ASME B16.20 - API 6A.