



## JC Ball valve Series: 530IIT Type: 3196 Stainless steel Fire safe Flange Class 300

### Characteristics

**Series:** 530IIT

**Type:** 3196

**Norm:** ASME

**Construction type:** 2-way

**Housing construction:** 2-part

**Housing material:** Stainless steel

**Material quality:** ASTM A351 CF8M

**Connection:** Flange

**Flange finish:** Raised face

**Top flange standard:** ISO 5211

**Primary spindle seal material:** RPTFE

**Secondary spindle seal material:** FPM (FKM)

**Tertiary spindle seal material:** Graphite

**Body seal:** SWG 316L/PTFE/Graphite

**Minimum medium temperature (continuous):** -50 °C

**Maximum medium temperature (continuous):** 230 °C

**Fire safe:** Yes

### Application

- Heavy-duty industrial applications up to 50bar.
- Recommended in: Chemical

### Technical Information

- Flanged connection in accordance with ASME B16.5 RF.
- 1/2-inch to 6-inch versions with floating ball, 8-inch and 10-inch versions with support ball.
- ASME pressure rating: class 300.
- With top-flange in accordance with ISO 5211.
- Media temperature: -50/+230°C.
- 1/2-inch to 6-inch versions with handle.
- 8-inch and 10-inch versions with worm gearbox.

### Construction

- Two-piece housing construction.
- Design in accordance with API 6D and ASME B16.34.
- Full flow capacity.
- Equipped with antistatic design between ball and housing.
- According to NACE MR0175/ISO 15156 & AMP, NACE MR0103/ISO 17945.
- Construction length according to ASME B16.10: long pattern.

### Approval

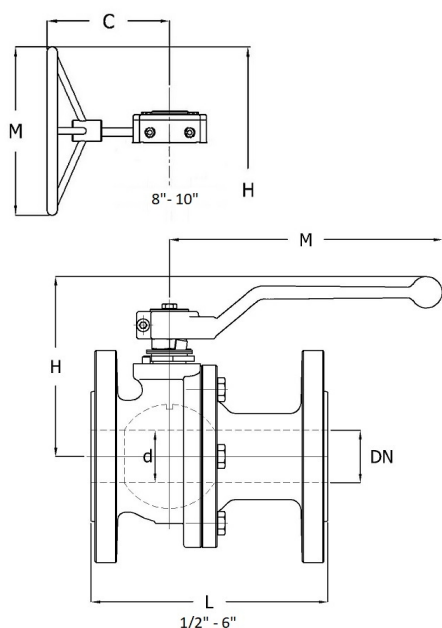
- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 (VDI 2440), class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety integrity level IEC 61508 SIL3.
- Declaration of conformity according to EC 1935/2004 and FDA USP, class VI.

### Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Pressure-relief seats or a pressure-relief hole in the ball.
- Dead space – free seats.
- Stainless-steel extended spindle for insulation (type 3222).
- Handle with lock.
- Other seat materials.

Size table:

| DN          | d<br>mm | L<br>mm | H<br>mm | M<br>mm | C<br>mm | Weight<br>kg |
|-------------|---------|---------|---------|---------|---------|--------------|
| 1/2" [15]   | 15      | 140     | 111     | 164     |         | 3            |
| 3/4" [20]   | 20      | 152     | 118     | 164     |         | 4            |
| 1" [25]     | 25      | 165     | 130     | 164     |         | 5            |
| 1.1/2" [40] | 40      | 190     | 148     | 213     |         | 11           |
| 2" [50]     | 50      | 216     | 155     | 213     |         | 14           |
| 3" [80]     | 80      | 283     | 207     | 445     |         | 32           |
| 4" [100]    | 100     | 305     | 232     | 495     |         | 52           |
| 6" [150]    | 151     | 403     | 298     | 698     |         | 94           |
| 8" [200]    | 203     | 502     | 668     | 600     | 370     | 211.5        |
| 10" [250]   | 254     | 568     | 691     | 600     | 370     | 323.5        |



| Pressure and temperature range |                   |      |      |      |     |     |     |       |
|--------------------------------|-------------------|------|------|------|-----|-----|-----|-------|
| Size                           | Temperature range | -50  | 38   | 100  | 150 | 200 | 230 | [°C]  |
| 1/2" - 4"                      | -50°/+230°C       | 51.1 | 51.1 | 46.6 | 30  | 12  | 0   | [bar] |
| 6"                             | -50°/+230°C       | 51.1 | 51.1 | 46.6 | 30  | 10  | 0   | [bar] |
| 8" - 10"                       | -50°/+230°C       | 51.1 | 51.1 | 46.6 | 30  | 12  | 0   | [bar] |

| Nominal inner diameter | Pressure rating | Face to Face norm        | Manual operation | Mounting flange | Bore      | Material ball  | Seat material | Spindle material | Actuator material | Article  |
|------------------------|-----------------|--------------------------|------------------|-----------------|-----------|----------------|---------------|------------------|-------------------|----------|
| 1/2" [15]              | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F05             | Full bore | ASTM A479 316  | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 11094789 |
| 3/4" [20]              | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F05             | Full bore | ASTM A479 316  | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 10054797 |
| 1" [25]                | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F05             | Full bore | ASTM A479 316  | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 10054795 |
| 1.1/2" [40]            | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F07             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 10054798 |
| 2" [50]                | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F07             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 10054796 |
| 3" [80]                | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F10             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 11094826 |
| 4" [100]               | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F10             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 11094830 |
| 6" [150]               | Class 300       | ASME B16.10, T2, Serie 7 | Handle           | F12             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | ASTM A216 WCB     | 11094845 |
| 8" [200]               | Class 300       | ASME B16.10, T2, Serie 7 | Gearbox          | F14             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | Ductile cast iron | 11094851 |
| 10" [250]              | Class 300       | ASME B16.10, T2, Serie 7 | Gearbox          | F14             | Full bore | ASTM A351 CF8M | PTFE          | ASTM A479 316    | Ductile cast iron | 11094852 |

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