Stainless steel ball valve JC® type 515 IIT
fig. 3194
split body, full bore, class 150

Split body, stainless steel, full bore, flanged, manual operated ball valve, with ISO 5211 top-flange suitable for mounting actuators

Body
Stainless steel ASTM A 351 Gr. CF8M

Body connector
Stainless steel ASTM A 351 Gr. CF8M

Ball
- up to and including 1": stainless steel ASTM A 479 Tp.316
- 1.1/2" and above: stainless steel ASTM A 351 Gr. CF8M

Stem
Stainless steel ASTM A 479 Tp. 316

Seats
PTFE

Gland packing
Graphite

O-ring
FKM

Stem thrust seal & thrust washer
RPTFE, 25% glass filled

Spring washer
Zinc-plated carbon steel

Disc spring, stop plate & stop pin
Carbon steel

Gland nut
Zinc plated carbon steel

Body gasket
Spiral wound AISI 316L + PTFE + graphite

Bolting
- studs: ASTM A 193 Gr. BBM
- nuts: ASTM A 194 Gr. 8M

Operator
- 1/2" - 6": lever, nodulair cast iron
- 8" and larger: gearbox

Construction
Full bore, split, 2-piece bolted body, side entry, blow out proof stem, anti static device, pressure balance hole in ball, with top-flange acc. DIN-ISO 5211 for mounting actuators
- 1/2" - 8": floating ball design
- 10" and 12": semi-trunnion design

Design
- EN ISO 17292 / ASME B 16.34 / API 6D
- NACE MR.01.75; wetted parts and bolting
- EN ISO 15848 rate B; emission class

Fire safe

Pressure class
ASME B 16.34 class 150

Connections
Flanges, acc. ASME B 16.5 raised face

Face to face dimensions
ASME B 16.10 long pattern

All ball valves in accordance with PED 2014/68/EU and ATEX 2014/34/EU

This ball valve is suitable for heavy industrial applications.

Other available versions:
- In carbon steel - fig. 3193
- In low-temp carbon steel - fig. 3193 LCC
- Class 300 - fig. 3196
- Reduced bore - fig. 3216

Options
- Other seat material: glass or carbon-graphite reinforced PTFE, stainless steel reinforced PTFE ("Stansit"), metal seated, TFM, PEEK, etc.
- Double stem packing unit to meet emission class EN ISO 15848 rate A
- Cavity relief seats or cavity relief hole in ball
- Cavity fillers
- For cryogenic service, up to -196 °C
- For oxygen service (degreased)
- Heating jacket
- Spindle extension for isolation
- Oval handle
- With pneumatical, electrical or hydraulic actuator

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Table 1: Dimensions fig. 3194

<table>
<thead>
<tr>
<th>Size</th>
<th>L</th>
<th>ØD</th>
<th>Ød</th>
<th>H</th>
<th>H2</th>
<th>W</th>
<th>Weight</th>
<th>Torque*</th>
<th>Article no.</th>
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<td>89</td>
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* break to open, at 20 bar differential pressure, excl. safety factor. Weight of the 8” and 10” valve is excl. gearbox. Dimensions of the 12” valve on request.

Table 2: Dimensions ISO mounting flange fig. 3194

<table>
<thead>
<tr>
<th>Size</th>
<th>ISO 5211</th>
<th>A</th>
<th>B</th>
<th>H5</th>
<th>H3</th>
<th>H6</th>
<th>ØD3</th>
<th>ØD1</th>
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<td>22.7</td>
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<td>9.5</td>
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<td>50</td>
<td>4×M6</td>
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<td>M18×1,5</td>
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For more information, quotations or orders: Phone +31 72 514 15 14 or E-mail info@eriks.nl