



JC Ball valve Series: 516IIT/540IIT Type: 3192 Stainless steel Fire safe Flange PN16/40

Characteristics

Series: 516IIT/540IIT

Type: 3192

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 2-part

Housing material: Stainless steel

Material quality: 1.4408

Connection: Flange

Flange finish: Raised face

Top flange standard: ISO 5211

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: Graphite

Body seal: SWG 316L/PTFE/Graphite

Actuator material: ASTM A216 WCB

Minimum medium temperature (continuous): -50 °C

Maximum medium temperature (continuous): 230 °C

Fire safe: Yes

Application

- Heavy-duty industrial applications up to 16 or 40bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with EN 1092-1.
- Floating ball, DN200 (PN40) and DN250 (PN16 and PN40), with support ball.
- Pressure rating PN16 or PN40.
- With top-flange in accordance with ISO 5211.
- Media temperature: -50/+230°C.
- DN15 to DN150 with handle.
- DN200 and DN250 with worm gear.

Construction

- Two-piece housing construction.
- Design in accordance with EN 12516 and EN 1983.
- Full flow capacity.
- Equipped with antistatic design between ball and housing.
- According to NACE MR0175/ISO 15156 & AMP, NACE MR0103/ISO 17945.
- Construction length in accordance with EN 558, series 27.

Approval

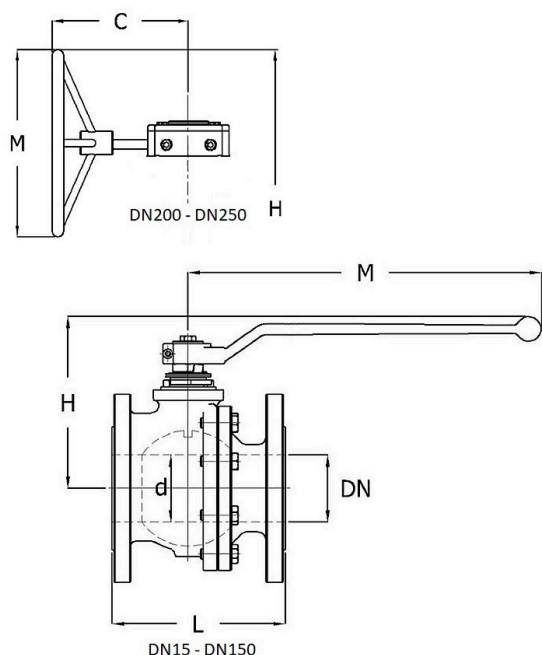
- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 (VDI 2440), class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety integrity 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	Pressure class	d	L	H	M	Weight
		mm	mm	mm	mm	kg
DN150	PN40	151	350	298	698	83.5



Size	Pressure rating	Temperature range	Pressure and temperature range						[°C]
			-50	38	100	150	200	230	
DN15 - DN100	PN16	-50°/+230°C	15.5	15.5	13.3	12	11	0	[bar]
DN15 - DN100	PN40	-50°/+230°C	38.8	38.8	33.2	22	9	0	[bar]
DN125 - DN250	PN16	-50°/+230°C	15.5	15.5	13.3	12	9	0	[bar]
DN125 - DN250	PN40	-50°/+230°C	38.8	38.8	33.2	22	9	0	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Seat material	Spindle material	Primary spindle seal material	Article
DN150	PN40	EN 558, Series 27	Handle	F12	Full bore	1.4408	PTFE	1.4401	RPTFE	12364272

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