



JC Ball valve Series: 316IIT/340IIT Type: 3199 Stainless steel Fire safe Flange PN16/40

Characteristics

Series: 316IIT/340IIT

Type: 3199

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 2-part

Housing material: Stainless steel

Material quality: 1.4408

Connection: Flange

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.
- Pressure rating PN16 or PN40.
- With top-flange in accordance with ISO 5211.
- Media temperature: -50/+230°C.
- DN15 to DN100 with handle.

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, long series 1 pattern.

Approval

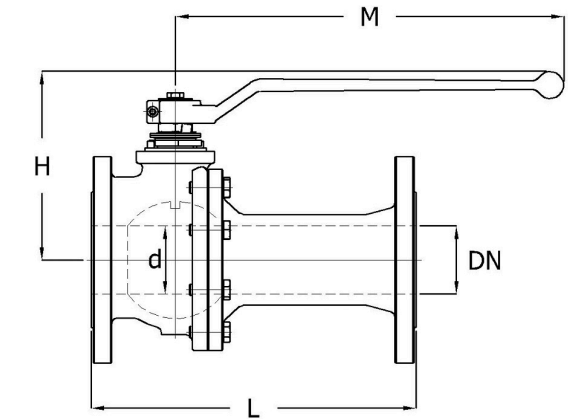
- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 (VDI 2440), class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety integrity 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 mm	L mm	H mm	M mm	Weight kg
DN15	15	130	111	164	3
DN20	20	150	118	164	3.8
DN25	25	160	130	164	5.2
DN32	32	180	131	210	7.6
DN40	40	200	148	213	9.6
DN50	50	230	155	213	12.9
DN65	65	290	169	348	18.3
DN80	80	310	207	445	24
DN100	100	350	232	495	36



Pressure and temperature range									
Size	Pressure rating	Temperature range	-50	38	100	150	200	230	[°C]
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]

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
DN15	PN40	EN 558, Series 1	Handle	F05	Full bore	1.4401	PTFE	1.4401	RPTFE	10054230
DN20	PN40	EN 558, Series 1	Handle	F05	Full bore	1.4401	PTFE	1.4401	RPTFE	11071743
DN25	PN40	EN 558, Series 1	Handle	F05	Full bore	1.4401	PTFE	1.4401	RPTFE	10054231
DN32	PN40	EN 558, Series 1	Handle	F05	Full bore	1.4408	PTFE	1.4401	RPTFE	11375552
DN40	PN40	EN 558, Series 1	Handle	F07	Full bore	1.4408	PTFE	1.4401	RPTFE	10054232
DN50	PN40	EN 558, Series 1	Handle	F07	Full bore	1.4408	PTFE	1.4401	RPTFE	10054233
DN65	PN16	EN 558, Series 1	Handle	F07	Full bore	1.4408	PTFE	1.4401	RPTFE	11127255
DN80	PN16	EN 558, Series 1	Handle	F10	Full bore	1.4408	PTFE	1.4401	RPTFE	10054228
DN100	PN16	EN 558, Series 1	Handle	F10	Full bore	1.4408	PTFE	1.4401	RPTFE	10054227

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