



JC Ball valve Series: 316AIT/340AIT Type: 3198 Steel Fire safe Flange PN16/40

Characteristics

Series: 316AIT/340AIT

Type: 3198

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 2-part

Housing material: Steel

Material quality: 1.0619

Surface protection: Epoxy coating (external)

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): -20 °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: -29/+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

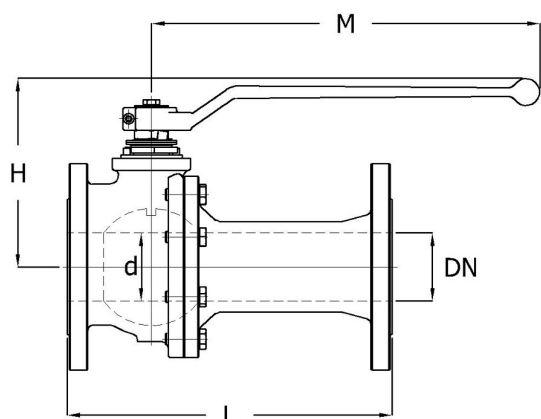
- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 (VDI 2440), class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety integrity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

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	L	H	M	Weight
mm	mm	mm	mm	mm	kg
DN50	50	230	155	213	12.9



Pressure and temperature range									
Size	Pressure rating	Temperature range	-29	38	100	150	200	230	[°C]
DN15 - DN100	PN16	-29°/+230°C	15.5	15.5	13.3	12	11	0	[bar]
DN15 - DN100	PN40	-29°/+230°C	39	39	34.1	25	11	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
DN50	PN40	EN 558, Series 1	Handle	F07	Full bore	1.4408	PTFE	1.4401	RPTFE	11035979

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