



JC Ball valve Series: 515LIT Type: 3193 Steel Fire safe Flange Class 150

Characteristics

Series: 515LIT
Type: 3193
Norm: ASME
Construction type: 2-way
Housing construction: 2-part
Housing material: Steel
Material quality: ASTM A352 LCC
Connection: Flange
Flange finish: Raised face
Top flange standard: ISO 5211
Spindle material: ASTM A479 316
Primary spindle seal material: RPTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: Graphite
Body seal: SWG 316L/PTFE/Graphite
Maximum medium temperature (continuous): 230 °C
Fire safe: Yes

Application

- Heavy-duty industrial applications up to 20 bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with ASME B16.5 RF.
- 1/2-inch to 8-inch versions with floating ball and 10-inch version with support ball.
- ASME pressure rating: class 150.
- With top-flange in accordance with ISO 5211.
- Media temperature: -46/+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

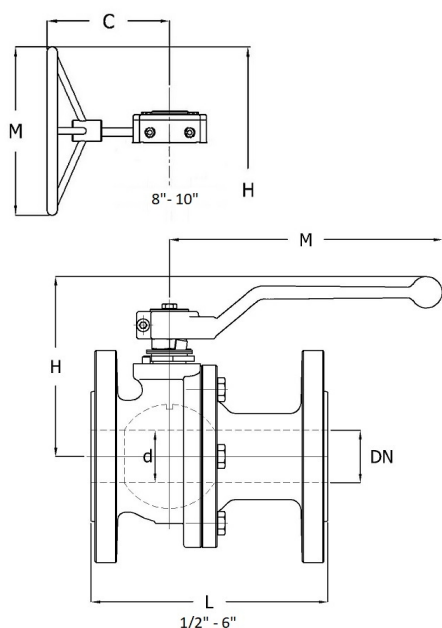
- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 (VDI 2440), class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety integrity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

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	C	Weight
	mm	mm	mm	mm	mm	kg
1/2" [15]	15	108	111	164		2
3/4" [20]	20	117	118	164		3
1" [25]	25	127	130	164		3.5
1.1/2" [40]	40	165	148	213		8
2" [50]	50	178	155	213		11
3" [80]	80	203	207	445		23
4" [100]	100	229	232	495		38
6" [150]	151	394	298	698		88
8" [200]	203	457	601	465	229	172.8



Pressure and temperature range								
Size	Temperature range	-46	38	100	150	200	230	[°C]
1/2" - 4"	-46°/+230°C	19.6	19	16.2	14.8	12	0	[bar]
6" - 10"	-46°/+230°C	19.6	19	16.2	14.8	10	0	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Seat material	Actuator material	Minimum medium temperature (continuous) °C	Article
1/2" [15]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	Full bore	ASTM A479 316	PTFE	ASTM A216 WCB	-46	11096446
3/4" [20]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	Full bore	ASTM A479 316	PTFE	ASTM A216 WCB	-46	11096448
1" [25]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	Full bore	ASTM A479 316	PTFE	ASTM A216 WCB	-46	11096449
1.1/2" [40]	Class 150	ASME B16.10, T1, Serie 18	Handle	F07	Full bore	ASTM A351 CF8M	PTFE	ASTM A216 WCB	-46	11096450
2" [50]	Class 150	ASME B16.10, T1, Serie 18	Handle	F07	Full bore	ASTM A351 CF8M	PTFE	ASTM A216 WCB	-46	11096463
3" [80]	Class 150	ASME B16.10, T1, Serie 18	Handle	F10	Full bore	ASTM A351 CF8M	PTFE	ASTM A216 WCB	-46	11096464
4" [100]	Class 150	ASME B16.10, T1, Serie 18	Handle	F10	Full bore	ASTM A351 CF8M	PTFE	ASTM A216 WCB	-46	11096466
6" [150]	Class 150	ASME B16.10, T1, Serie 18	Handle	F12	Full bore	ASTM A351 CF8M	PTFE	ASTM A216 WCB	-46	11096467
8" [200]	Class 150	ASME B16.10, T1, Serie 18	Gearbox	F14	Full bore	ASTM A351 CF8M	PTFE	Ductile cast iron	-49	11096468

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