

## SINGLE PIECE BALL VALVE (SCREWED END)

**SIZES: DN50 TO DN50**

**CLASS 150**



### FEATURES

- Floating Type Ball Valve i.e. the ball is suspended in the media but held in place by the two seat rings and supported by the valve seats.
- The floating design allows the ball to move slightly within the valve body which helps to reduce the operating torque and extend the valve service life.
- Soft seated design provides a tight seal between the ball and the seat while also allowing for some flexibility.
- Soft seated design reduces the operating torque required for opening and closing the valve.
- Soft seated design minimizes the risk of damage to the ball and the seat.
- Blowout proof stem in ball valves is designed to prevent the stem from being blown-out of the body due to high pressure or excessive force.
- The pressure-relief hole in the valve helps to equalize the pressure across the valve, reducing the risk of damage to the valve or the pipeline. This helps to ensure reliable operation and prevents leaks or malfunctions.
- The anti-static device in ball valves helps to prevent static electricity buildup during operation, which can reduce the risk of fire or explosion in certain applications.
- Mirror finish ball helps to reduce friction, ensuring smooth operation and extending the valve's life span.
- The mirror finish also provides excellent corrosion resistance ensuring that the valve performs reliably even in harsh environments.
- Fire-safe valves are designed to prevent flammable fluids from spreading in the event of a process line fire. The design uses metal back-up seats to prevent ignition.
- Single piece construction i.e. the valve trim is attached to the seals through end connections made of the same material as the body.
- The valve's port size will not be the same as the line size, resulting in a reduced bore design.
- There is very little or rather no leakage with single piece construction.
- End Connection is threaded type as per the standard ASME B1.20.1.
- Threaded connections are available in NPT, BSP & BSPT as per the requirement.
- The integral ISO 5211 mounting pad provides a standard interface for mounting actuators or gear operators, making it easy to automate the valve.

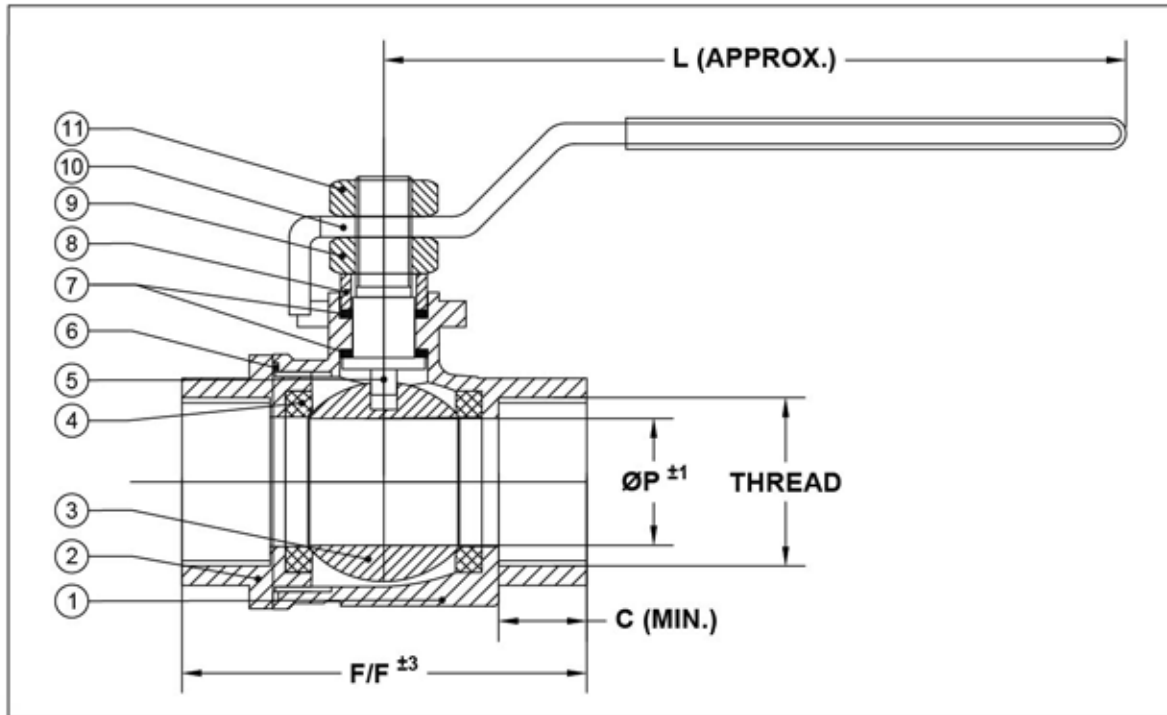
ISO 9001:2015

**BUREAU VERITAS**  
Certification



## TECHNICAL DATA:

DESIGN & MANUFACTURING STANDARD	: API 6D / BS EN ISO 17292 / ASME B16.34
TESTING & INSPECTION STANDARD	: API 598 / API 6D / ISO 5208
FACE TO FACE	: API 6D / ASME B16.10
SCREWED END	: ASME B1.20.1
FIRE TEST	: ISO 10497 / API 607 / API 6FA
MOUNTING PAD	: ISO 5211
NACE	: ANSI/ASME MR 0175 / ISO 15156-1



NO	DESCRIPTION	MATERIAL	QTY
1	BODY	CI / CS / SS304 / SS316	1
2	CAP	CI / CS / SS304 / SS316	1
3	BALL	AISI 304 / AISI 316	1
4	SEAT RING	PTFE	1
5	PIN	AISI 304 / AISI 316	1
6	O RING	PTFE	1
7	GLAND RING	PTFE	1
8	GLAND	AISI 304 / AISI 316	2
9	GLAND NUT	AISI 304 / AISI 316	2
10	LEVER	MS / SS	1
11	LEVER NUT	AISI 304 / AISI 316	1

SIZE		CLASS 150			
in.	mm	F/F	ØP	C	L
½"	15	58	13	13.5	115
¾"	20	68	19	15	115
1"	25	76	25	16.5	142
1 ½"	40	98	38	17	170
2"	50	116	50.1	20	170

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSIG	425 PSIG	300 PSIG	200°F
AIR TEST - SEAT : 80 PSIG ± 10 PSIG				

**REGISTERED FACTORY AND OFFICE**  
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**FOR FURTHER DETAILS, VISIT OUR WEBSITE**

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