

THREE PIECE BALL VALVE

(SCREWED END | SOCKETWELD END)

SIZES: DN15 TO DN80

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.
- Three-piece design i.e. the body and the 2 end pieces are bolted and assembled together.
- Three-piece design helps in removal of the valve body and trims independently and quickly without interfering with the pipe connections.
- Three-piece design ensures low long-term maintenance cost.
- 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.

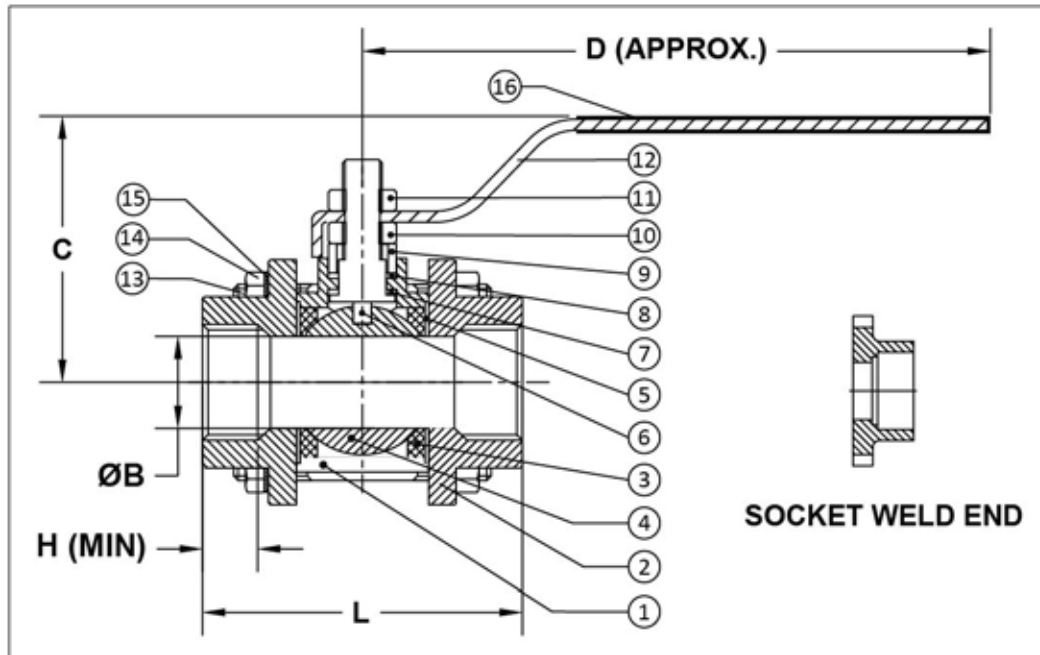
ISO 9001:2015

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
SOCKET WELD END	: ASME B16.11
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	END PIECE	CI / CS / SS304 / SS316	2
3	SEAT RING	PTFE	2
4	BALL	ASTM A351 Gr. SS304 / SS316	1
5	BODY SEAL	PTFE	2
6	STEM	ASTM A276 Gr. SS304 / SS316	1
7	STEM SEAL	PTFE	1
8	GLAND PACKING	PTFE	1
9	GLAND	ASTM A276 Gr. SS304 / SS316	1
10	GLAND NUT	ASTM A194 Gr.8	1
11	LEVER NUT	ASTM A194 Gr.2H	1
12	LEVER	MS / SS	1
13	STUD	ASTM A193 Gr.B7	4
14	STUD NUT	ASTM A194 Gr.2H	8
15	STUD WASHER	MS / SS	4
16	LEVER SLEEVE	PVC	1

SIZE		CLASS 150				
in.	mm	L	ØB	C	D	H
½"	15	63	13	52	115	14
¾"	20	72	19	55	115	15.5
1"	25	87	25	70	142	20
1½"	40	114	38	95	170	18.25
2"	50	132	50.5	105	170	23
2½"	65	142	64	130	240	25.5
3"	80	158	76	145	270	26

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
ROYALTECH VALVES
 #B-492/B, 2ND GATE INDUSTRIAL ESTATE
 GOKUL ROAD, HUBLI-580030
 KARNATAKA, INDIA

FOR ENQUIRY, CONTACT US AT

☎ +91 90198 20791 | 97383 48007

✉ sales.royaltechvalves@gmail.com

FOR FURTHER DETAILS, VISIT OUR WEBSITE

🌐 www.royaltechvalves.com