

# FLANGE END TWO PEICE BALL VALVE

## Ball Valve

### Design Feature

#### Live Loaded Packing

Graphite packing are provided as standard taking care of fire safe design condition, belleville springs washers are used to achieve live loading which protect gland loosening under vibrations & shock conditions. This will also reduces manual efforts to maintain gland adjustment time to time.

#### Blow out Proof Stem

Stem is designed to include a collar to provide protection against Blow outs. This design offers safety superior to top-entry stem design where the line pressure works to break the stem seating.

#### Equalized Cavity Pressure

The pressure Equalization hole at the top of the ball combined with seat design are engineered to maintain the pressure balance in the line and in the Body cavity irrespective of Valve Position

#### Conformity to Standards & Codes :

ASME B16.34/API6D/BS EN 17292  
These standard cover pressure-Temperature ratings, minimum shell thickness, bore diameter for each size/class

Size Range :

15mm (1/2") to 200mm (8")

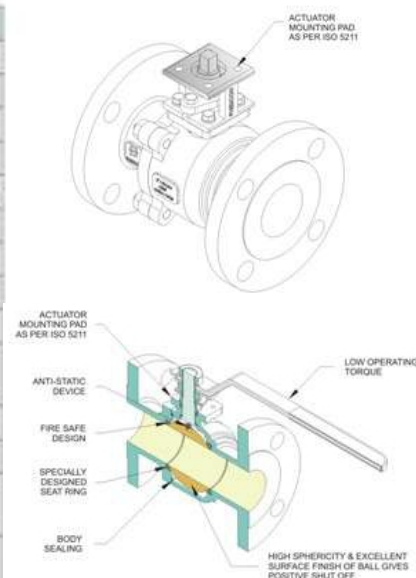


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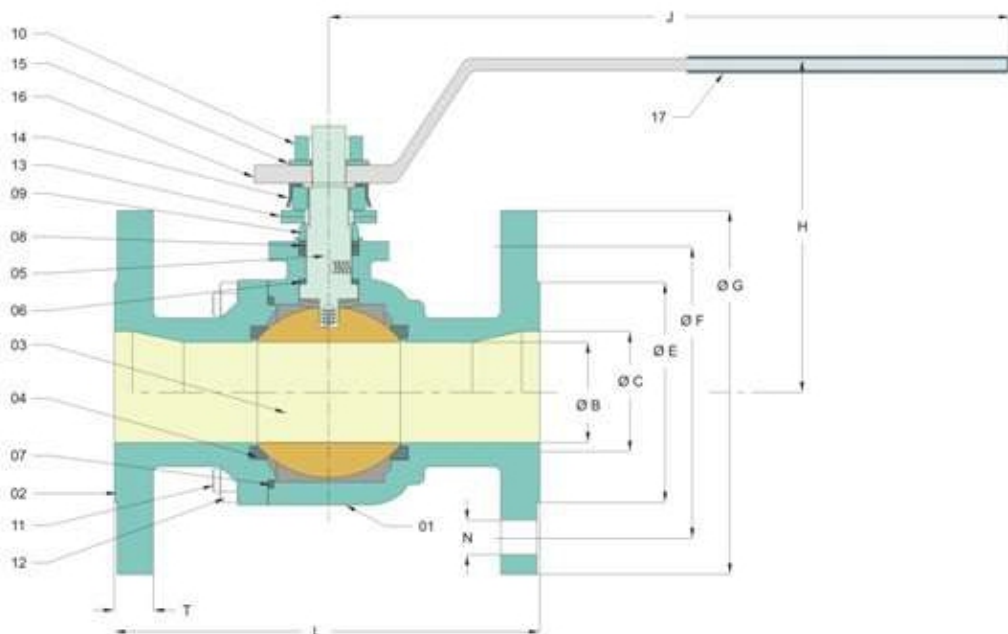
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# FLANGE END TWO PEICE BALL VALVE

Size	15	20	25	32	40	50	65	80	100	150	200
Class	ASME 150# Full / Reduced Bore										
B	09	14	19	25	32	38	50	62	76	102	150
C	14	19	25	32	38	50	62	75	100	150	200
E	35	43	51	63.5	73	92	105	127	157	216	270
F	60.5	69.8	79.4	88.9	98.4	120.7	139.7	152.4	190.5	241.3	298.5
G	89	98	108	115	127	152	178	190	229	279.5	345
T	10	10.9	11.6	13.2	14.7	16.3	17.2	19.5	24.2	25.9	29
L	108	117	127	140	165	178	190	203	229	267	292
N	16	16	16	16	16	19	19	19	19	22	22
No of Holes	04	04	04	04	04	04	04	04	08	08	08
H	93	98	127	127	147	178	185	220	245	273	-
J	180	180	210	210	210	290	290	450	450	990	-
FB Weight (KG)	2	2.6	3.8	4.7	6	10	16	20	36	70	140
RB Weight (KG)	1.3	2.5	3	3.6	4	8	14	17.5	27	46	82



No	Part Name
1	Body
2	Body Adapter
3	Ball
4	Seat Ring
5	Stem
6	Gland Packing
7	Thrust Washer
8	Gasket
9	Gland Pusher Ring
10	Hex Lock Nut
11	Body Stud Bolt
12	Body Stud HEX Nut
13	Belly Welly Washer
14	Nut Retainer Washer
15	Internal Tooth Washer
16	Lever
17	Lever Sleeve



## WARRANTY

All valves are guaranteed against any manufacturing defects for a period of 12 months from date of supply, provided the valves have not been misused, damaged or installed for services they are not recommended. The company shall be liable to furnish part/ parts thereof or full valve as the company may deem fit.

## UPC INSTRUMENTS PVT.LTD.

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