

## CAST IRON FLANGE END THREE PEICE BALL VALVE

### Ball Valve

#### Design Features

- 3 Pc Body Construction
- Low Torque
- Full Port
- Quarter turn operation
- Blow out Stem Proof Stem

#### Conformity to standard and Codes :

Design Standard-IS 9890

Face to Face Dimension- IS 9884

Threading Standard- BS 21 / IS 554/8999

Testing Standard- API 598

#### Size Range:

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

#### Applications

- Chemical & Solvent Industries
- Process Industries
- Water Supply
- Extrusion & Domestic



# CAST IRON FLANGE END THREE PEICE BALL VALVE



## DIMENSIONS:

NOMINAL SIZE		FLANGED AS PER PN-16						FLANGED AS PER CL 125 / 150						SIZE OF LEVER	
Inches	mm	L	B	A	D	T	RT	L	B	A	D	T	RT	M	H
1/2"	15	130	45	14	95	14	2	130	35	14	89	7.9	1.5	135	60.87
3/4"	20	130	58	20	105	16	2	130	42.9	20	99	8.6	1.5	152	64.50
1"	25	140	68	24	115	16	2	140	50.8	24	108	9.7	1.5	152	70.30
1-1/4"	32	165	78	31	140	18	2	165	63.5	31	117	11.2	1.5	165	98.16
1-1/2"	40	165	88	37	150	18	3	165	73	37	127	12.7	1.5	195	103.16
2"	50	203	102	50	165	20	3	203	91.9	50	152	14.2	1.5	195	112.16
2-1/2"	65	222	122	63	185	20	3	222	104.6	63	178	15.7	1.5	302	132.25
3"	80	241	138	75	200	22	3	241	127	75	190	17.5	1.5	302	142.45
4"	100	305	158	100	220	24	3	305	157.2	100	229	22.5	1.5	365	166.60
5"	125	-	188	125	250	26	3	-	185.7	125	254	23.9	1.5	520	-
6"	150	394	212	150	285	26	3	394	215.9	150	279	25.4	1.5	520	-

\*All dimensions are in mm unless and otherwise specified.

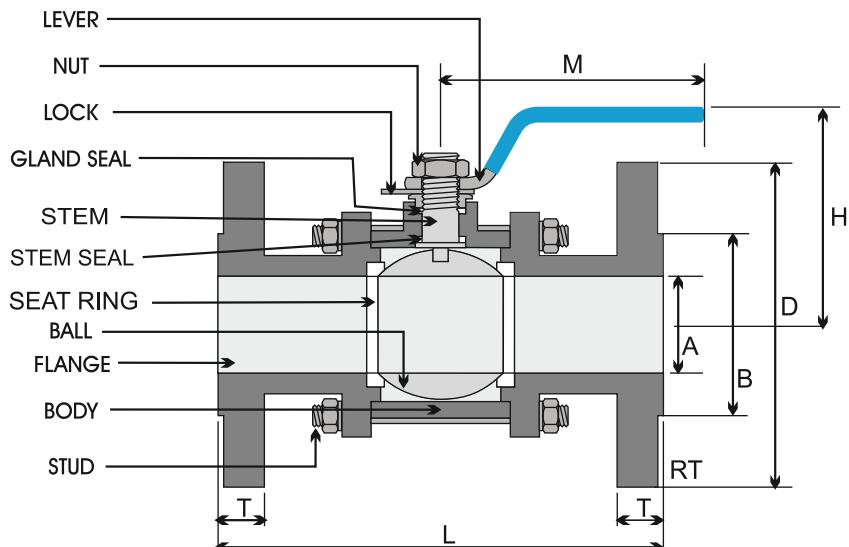
## PART LIST

S NO	PART NAME	MATERIAL	STANDARD
1.	Body	Grey Cast Iron	IS 210 Gr. FG 220
2.	Flange	Grey Cast Iron	IS 210 Gr. FG 220
3.	Ball	Stainless Steel	ASTM A276 Gr. 202/304/316 ASTM A351 Gr. CF8/CF8M
4.	Stem	Stainless Steel	ASTM A276 Gr. 410/304/316
5.	Gland Packing & Seat Ring	PTFE	BS 6564
6.	Gland Nut, Studs/Nut	Carbon Steel	ASTM A307 Gr. B
7.	Hand lever	Carbon Steel	ASTM A 105
8.	Handle Sleeve	PVC	BS6076

## TEST PRESSURE:

TYPE OF TEST	PRESSURE (KG/CM <sup>2</sup> )
Body test Pressure	24.47 Kg/cm <sup>2</sup>
Seat Test Pressure	17.94 Kg/cm <sup>2</sup>
Pneumatic Seat Test	4 to 7.2 Kg/cm <sup>2</sup>

## THREE PIECE DESIGN FLANGED



## WARRANTY

All the valves are warranted against any manufacturing defect for a period of 12 months from date of supply, provided the valves has not been misused, damaged, installed for services it is not recommended or the seal has been tampered with. The company shall be liable to furnish part/ parts thereof or full Valve as the company may deem fit.

# UPC INSTRUMENTS PVT.LTD.

AN ISO 9001:2015, 14001-2015 CE & TÜV SÜD CERTIFIED COMPANY

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