

# UNI-TECH

## Investment Casting S.S. Ball Valve

in three piece design full port, screwed end and socket weld end 150 # & 300 # Class



The Difference  
Exists in the  
**INTELLIGENT  
DESIGN**

### salient features

Full Port | Blow Out Proof Stem | Low Torque | Floating Ball | Mirror Finish Ball  
Quarter Turn Shut Off | 100% Interchangeability

Variety of Material of : S.S. ASTM, A 351, GR CF8 (304), CF3 (304L),  
CF8M (316), CF3M (316L), CF8C (321), CN7M (ALLOY 20), ASTM 216, GR WCB (CAST STEEL)



### : UNI-TECH VALVE & PNEUMATICS :

Plot No : 6234, Road No : 62, G.I.D.C., Sachin, Dist - Surat - 394 230, GUJARAT, INDIA.

Tele - 0261 239 8605 Fax - 0261 289 2217. Cell : 099040 00336 | 096246 00031

E-mail : [unitechflow@gmail.com](mailto:unitechflow@gmail.com) | [utvalves@yahoo.com](mailto:utvalves@yahoo.com)

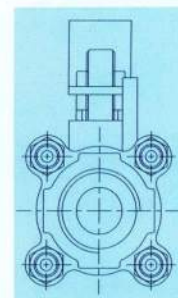
[www.unitechvalves.com](http://www.unitechvalves.com)



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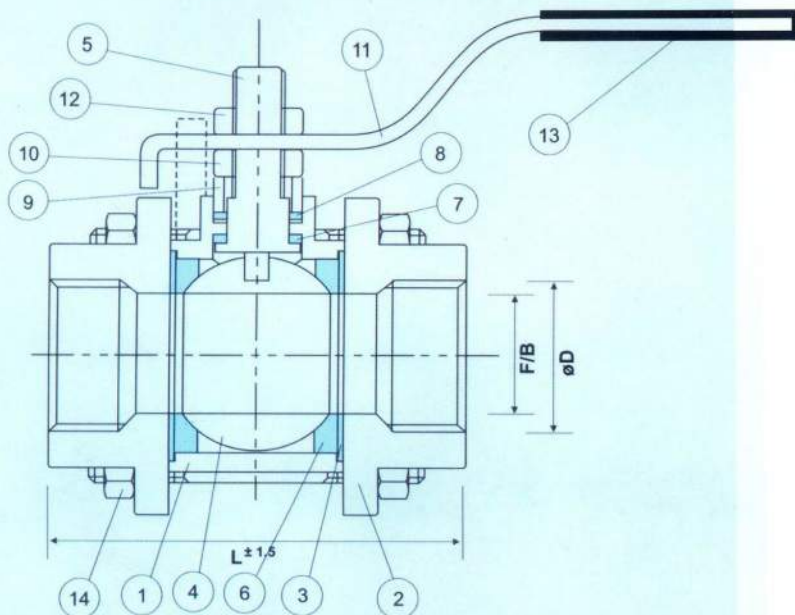
in single piece design full port,  
screwed end and socket weld end

Manufacturing Standard : BS 5351  
 Testing Standard : BS 5146  
 Product Range : 15 to 50 mm  
 End Connection : Screwed End  
 BSPT / NPT / BSP Female Ends  
 & Socket Weld End



## MATERIAL SPECIFICATIONS

No.	Part Name	Materials
1	Body	ASTMA : ASTMA : ASTMA
2	Body Connector	351 CF8 : 351 CF8M : 215 WCB
3	Connector Seal	PTFE
4	Ball	AISI 304, 316, ASTMA CF8-CF8M
5	Steam	AISI 304, AISI 316
6	Ball Seat	PTFE
7	Steam Seat	PTFE
8	Gland Packing	PTFE
9	Gland	AISI 304, AISI 316
10	Gland Nut	SS 304
11	Lever	SS / MS
12	Lever Nut	SS 304
13	Lever Sleeve	PVC
14	Body Studs & Nuts	SS 304 / M.S.



## DIMENSIONS OF 3 PC/SCR END IN MM

Size	L	F/B	Ends D
15	70	12.5	1/2"
20	74	19	3/4"
25	88	25	1"
40	102	38	1/2"
50	117	51	2"

## Minimum Pressure / Temperature Seat Ratings

Nominal size of valve (DN)	Service Temperature (°C)									
	-30 to 40	50	75	90	100	125	150	175	200	230
Full bore	Minimum non-shock pressure									
	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
8 to 20	69	66	56	51	47	38	29	20	11	0
25 to 65	50	49	48	48	47	38	29	20	11	0
80 to 100	42	42	42	42	39	32	24	17	9	0
150	31	31	31	31	29	23	18	12	7	0
200 to 400	21	21	21	21	20	16	12	8	5	0

## TEST PRESSURE (HYDROSTATIC)

Class	150 lbs	300 lbs
Body	450 PSIG or 31.5 Kg/cm <sup>2</sup> g	1100 PSIG or 77 Kg/cm <sup>2</sup> g
Seat	315 PSIG or 22 Kg/cm <sup>2</sup> g	800 PSIG or 56 Kg/cm <sup>2</sup> g

## TEST PRESSURE (PNEUMATIC)

Class	150 lbs
Seat	80 PSIG or 5.5 Kg/cm <sup>2</sup> g

## DIMENSIONS OF SOCKET WELD END IN MM

Size	15	20	25	40	50
Socket Size	21.8	27.1	33.8	48.7	61.1

Note : The pressure / temperature ratings shown are based on seat rings made from PTFE resins without fillers, of virgin material completely free of reclaimed processed material.

1 bar = 1.0197 kg/cm<sup>2</sup> [Data sourced from BS 5351]

The illustrations, specifications & data in this leaflet are as accurate as possible, improvements and modifications from time to time to time may necessitate change in designs and dimensions without prior notice.