Uni-Tech Valves & Pneumatics

ISO 9001 : 2008

3 Piece Design Flange End BALL VALVE

Model#
UTBV3F1
UTBV3F3

Valves Inspection & Testing :

Class 150#

Hydro Shell	: 31 Kg/cm2
Seat Test	: 23 Kg/cm2
Air Seat	: 7 Kg/cm2

Class 300#

Hydro Shell	: 77 Kg/cm2
Seat Test	: 51 Kg/cm2
Air Seat	: 7 Kg/cm2

Design Features:

- 3 Piece Body Construction
- Investment Casting Components
- Bore Type: Full Bore
- Blow Out Proof Stem
- Flange End ASA 150# & 300#
- ISO 5211 Mounting Pad on Request
- Low Torque / Floating Ball
- Mirror Finish Ball
- 100% Interchangeablility
- Electroplating Finishing for SS Valves
- Leakage Class: VI Tight Shut Off

Confirmity to Standards & Codes:

General Design & Manufacturing:
EN17292 / API 6D
Valve Testing: API 598 / EN 12266

Face to Face Standard: ANSI B 16.10
Flange Ends Conformity: ANSI B 16.5

Size Range: ½" (10mm) to 10" (250mm)

Applications:

- Oil Refineries
- Chemical & Solvent Industries
- Petrochemical Industries
- Process Industries
- Food and Pharmaceutical Industries
- Compressed Air Line
- Gas Industries
- Water Line Process

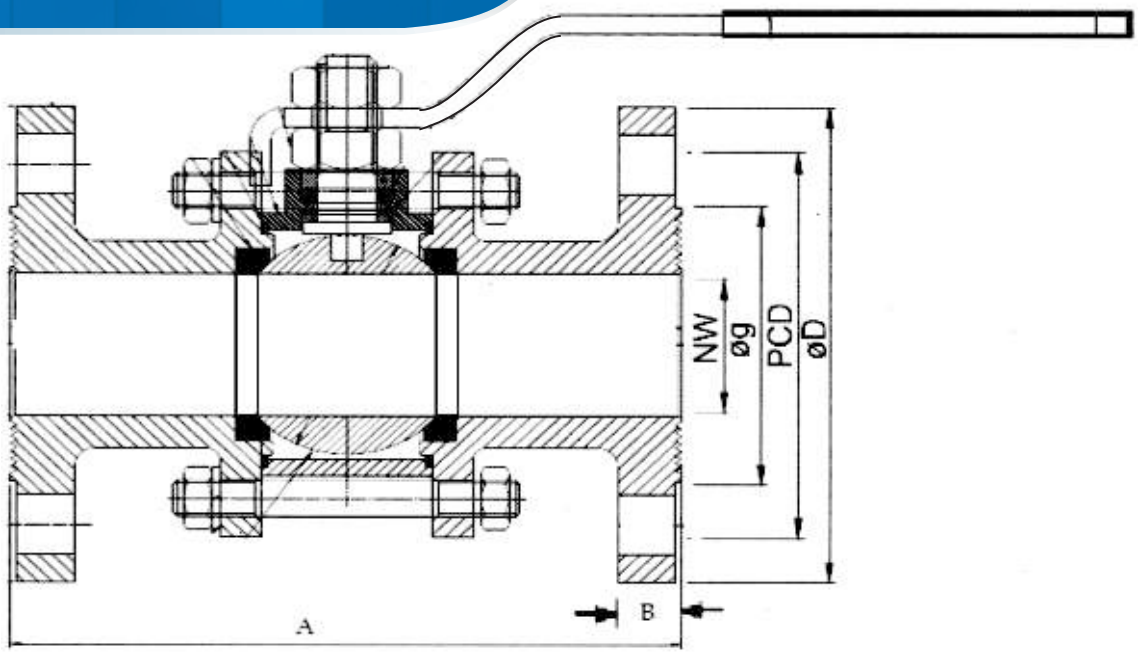
Operations:

Manual

Pneumatic

Motorized

Gear Operated



Dimension Data in mm (150# Class)

Size	A	NW	Ø P	Ø D	b	Ø g	PCD	Hole	No. of Holes
15	108	13	9.5	89	11.5	35	60.5	16	4
20	117	19	13	98	13	43	70	16	4
25	127	25	19	108	11.5	51	79.5	16	4
32	140	32	25	117	13	64	89	16	4
40	165	38	32	127	14.5	73	98.5	16	4
50	178	50	38	152	16	92	120.6	20	4
65	190	65	50	178	17.5	105	139.7	20	4
80	203	76	58	191	19.5	127	152.4	20	4
100	229	98	76	229	24	157	190.5	20	8
150	267	148	98	279	25.5	216	241.3	23	8
200	292	198	144	343	29	270	298.4	23	8
250	330	254	187	406	30.5	324	362	26	12
300	610	305	228	483	32	381	431.8	26	12

Dimension Data in mm (300# Class)

Size	A	NW	Ø P	Ø D	b	Ø g	PCD	Hole	No. of Holes
15	140	13	9.5	95	14.5	35	66.7	16	4
20	152	19	13	117	16	43	82.5	20	4
25	165	25	19	124	17.5	51	89	20	4
32	178	32	25	133	19.5	64	98.4	20	4
40	190	38	32	156	22	73	114.3	20	4
50	216	50	38	165	22.5	92	127	20	8
65	241	65	50	191	25.5	105	149.2	23	8
80	283	76	58	210	29	127	168.3	23	8
100	305	98	76	254	32	157	200	23	8
150	403	148	98	318	37	216	269.9	23	12
200	419	198	144	381	41.5	270	330.2	26	12
250	457	254	187	445	48	324	387.3	29	16
300	502	305	228	520	51	381	450.8	32	16

Standard Material of Construction :

Body : A105, WCB, CF8, CF8M, CF3, CF3M, F304, F316, CN7M

Flange End : A105, WCB, Cf8, CF8M CF3, CF3M, F304, F316, CN7M

Gland : ANSI410, 304, 316, 316L, MONEL, ALLOY20, HAST-B, C.

Ball : ANSI410, 304, 316, 316L, MONEL, ALLOY20, HAST-B, C.

Stem : ANSI410, 304, 316, 316L, MONEL, ALLOY20, HAST-B, C.

Seat : PTFE, GFT, CFT / Metal to Metal Delrin, Nylon

Stem Seal : GFT

Gland Packing : PTFE, Grafoil

Body Seal : PTFE, Grafoil

Gland Nut : Carbon Steel

Body Stud/Nut : B7/2H, B8/B8M

Belleville Spring : Spring Steel

Antistatic Spring : SS304

All size of ball valve can also be provided with Gear, Actuator (Electric & Pneumatic)

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