



TM

# Uni-Tech Valves & Pneumatics

## ISO 9001 - 2008

**3 WAY BALL VALVE** | **MODEL NO : UT3BLV**

### REFERENCE STANDARDS

Design	: API 6D
Dimension	: ANSI B 16.10/B 16.5
Testing	: BS 6755, Part-1

### DESIGN FEATURES

Valve	: 3-Way Ball Valve, 2 Seat/ 3 Seat
Body Type	: 3 PC
Seat Type	: Soft
End Connection	: Flanged / Screwed
Size Range	: 15 NB to 150 NB for reduced Port/ Full Port
Pressure Rating	: Class 150, & 300
Seat Leakage	: Class VI - Soft Seat
Operation	: Hand Lever/ Gear/ Actuator (Electrical / Pneumatic)
Port Type	: L-Port / T-Port



### TECHNICAL SPECIFICATION

Body	: A216 GR .WCB/ A351 GR. CF8/CF8M
Ball	: A351 GR. CF8/CF8M
Seat	: PTFE
Stem	: SS 410/ SS 304/ SS 316
Body Stud Nut	: B7/2H, B8/B8M
Gland Packing	: PTFE/ Grey Foil
Body Seal	: PTFE/ Grey Foil



MANUAL



PNEUMATIC

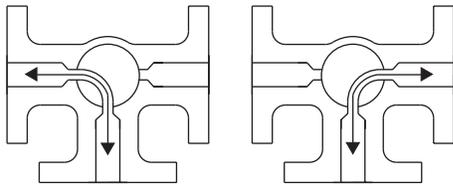


MOTORIZED

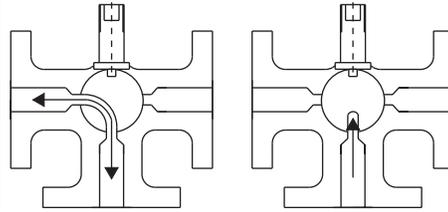


GEAR OPERATED

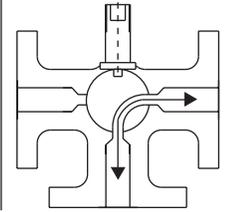
Two seats, Side 'L' Port Style : L



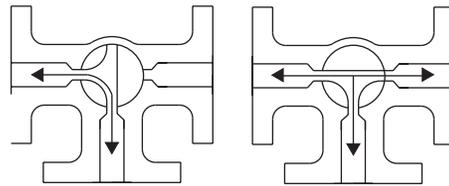
Two seats, Bottom 'L' Port



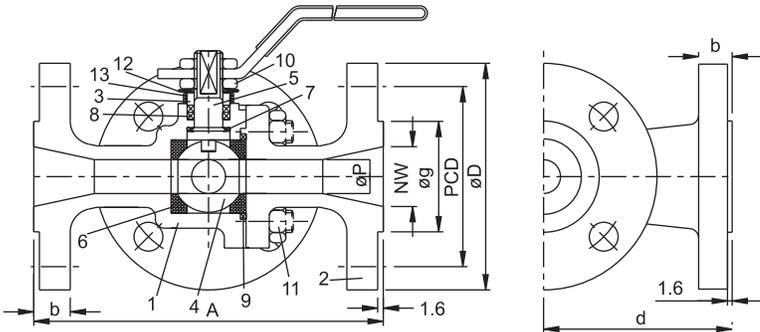
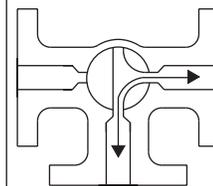
Style : C



Two seats, Side 'T' Port

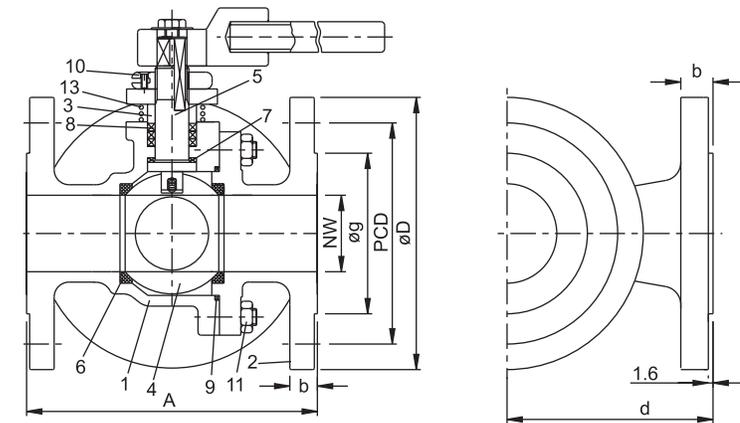


Style : T



DIMENSIONS (MM) CLASS 150

Size	A	øP	NW	øD	d	b	øg	PCD	Holeø	Holes
15	108	9.5	13	89	70	11.5	35	60.5	16	4
20	117	13	19	98	76	13	43	70	16	4
25	127	19	25	108	80	11.5	51	79.5	16	4
32	140	25	32	117	86	13	64	89	16	4
40	165	32	38	127	98	14.5	73	98.5	16	4
50	178	38	50	152	107	16	92	120.6	20	4
65	190	50	65	178	125	17.5	105	139.7	20	4
80	203	58	76	191	133	19.5	127	152.4	20	4
100	229	76	98	229	157	24	157	190.5	20	8
150	267	98	148	279	216	25.5	216	241.3	23	8



DIMENSIONS (MM) CLASS 300

Size	A	øP	NW	øD	d	b	øg	PCD	Holeø	Holes
15	140	9.5	13	95	76	14.5	35	66.7	16	4
20	152	13	19	117	96	16	43	82.5	20	4
25	165	19	25	124	100	17.5	51	89	20	4
32	178	25	32	133	106	19.5	64	98.4	20	4
40	190	32	38	156	120	22	73	114.3	23	4
50	216	38	50	165	125	22.5	92	127	20	8
65	241	50	65	191	140	25.5	105	149.2	23	8
80	283	58	76	210	152	29	127	168.3	23	8
100	305	76	98	254	178	32	157	200	23	8
150	403	98	148	318	215	37	216	269.9	23	12

## Uni-Tech Valves & Pneumatics

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# Uni-Tech Valves & Pneumatics

ISO 9001 : 2008

## 2 Piece Design Flange End Ball Valve

**Model#**  
UTBV2F1  
UTBV2F3

## Valves Inspection & Testing :

**Class 150#**  
Hydro Shell : 31 Kg/cm<sup>2</sup>  
Seat Test : 23 Kg/cm<sup>2</sup>  
Air Seat : 7 Kg/cm<sup>2</sup>

**Class 300#**  
Hydro Shell : 77 Kg/cm<sup>2</sup>  
Seat Test : 51 Kg/cm<sup>2</sup>  
Air Seat : 7 Kg/cm<sup>2</sup>

## Design Features:

- ➔ 2 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 Solid Ball
- ➔ 100% Interchangeability
- ➔ Fire Safe Construction with Secondary Metal Seat
- ➔ Electroplating Finishing for SS Valves
- ➔ Anti Statics Device On Request
- ➔ 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  
Fire Safe: API 607

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

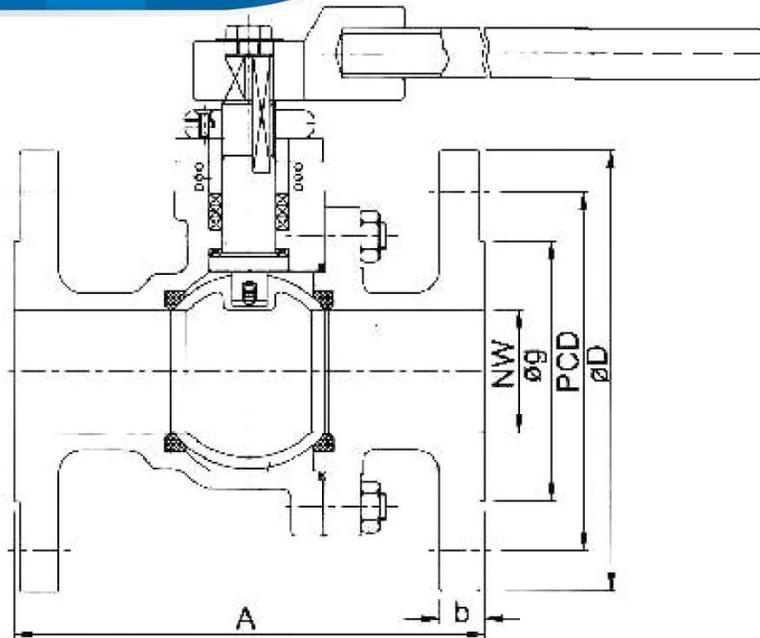


### Motorized



### 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)

## Uni-Tech Valves & Pneumatics

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