POLY VALVE TECH

ISO 9001:2015 Certified Company

www.polyvalvetech.com

POLY VALVE TECH

POLY VALVE TECH are designed and developed to provide the highest quality products to meet our customer's expectations. Valves are manufactured in accordance with all applicable standards.

Ball Valve	**: Floating and Trunnion Mounted**
Size Range	: DN15 mm to DN250 mm (Floating Ball Valve) DN50 mm to DN500 mm (Trunnion Mounted Ball Valve)
Rating	: #150, #300, #600, #900, #1500, #2500
MOC	: A105 / WCB / CF8 / CF8M / CF3 / CF3M,Special materials also supply on request.
End Connections	: Screwed / Socket Weld / Butt Weld / Flanged
Design Standard	: API 6D / ASME B16.34 / EN ISO 17292
Testing Standard	: API 598 / BS EN 12266-1 / ISO 5208

Soft Seated Ball Valves :

Various types of Seat materials are used for different applications. **PTFE** is commonly used seat for almost applications. Other special soft seats like **CFT, RPTEE, Devlon, Nylon, Delrin, PEEK, PCTFE, TFM etc.** can be used based On Temperature, Pressure and Service Condition.

Metal Seated Ball Valves :

Metal Seated Ball Valves are mainly used for special duty applications, such as high temperature service (250° C and above), high abrasive mediums, slurries and corrosive liquids. Ball and Metal Seats are precisely machined and lapped. Metal Seated Ball Valves have Low Co-efficient of friction, excellent sliding, and effective tightness with lower possible torque. Metal seats are provided with Grafoil Cushioning design. ENP / Hard faced / Tungsten / Stellite Coated Ball and Seats are to meet higher temperature capability up to 525°C.

Firesafe Design Ball Valves:

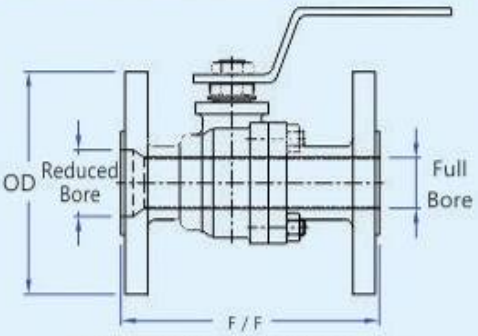
In a Firesafe Seat designed ball valve, Metallic lip is provided as a secondary seat. When the primary seat (Soft Seat) is totally sublimated in fire the ball moves towards and rest in the secondary seat i.e metallic Lip. Thus ensuring the permissible leakage. Firesafe testing of ball valves are as per API 607 / API 6FA / ISO 10497.

POLY VALVE TECH

2Pc, Floating Ball Valve

FEATURES :

- High Performance Ball and Seats
- Anti Blowout Stem
- Anti-Static Device Connectivity
- ISO Mounting Pad as per 5211
- Double D Stem
- OPEN / CLOSE Position Indicator Provided (Locking Arrangement Optional)



DN15 to DN40 - Lever Operation
DN50 to DN100 - Lever Pipe and Adapter type Operation DN150 to DN250 - Gear Operation

TECHNICAL DETAILS :		
DESIGN STANDARD	:	EN ISO 17292 / ASME B16.34 / API 6D
FLANGE END STANDARD	:	ASME B16.5
FACE TO FACE STANDARD	:	ASME B16.10
TESTING STANDARD	:	BS EN 12266-1 / API 598
FIRESAFE TESTING STANDARD	:	API 607 / ISO 10497 / API EFA

Note: Pneumatic and Electrical Operated Valves can supply on request.

#150				
SIZE	OD	PORT		F / F
		RP	FB	
DN 15	89	13	13	108
DN 20	99	13	19	117
DN 25	108	19	25	127
DN 32	117	25	32	140
DN 40	127	32	38	165
DN 50	152	38	50	178
DN 65	178	50	65	190
DN 80	190	58	76	203
DN 100	229	76	100	229
DN 125	254	100	125	254
DN 150	279	100	152	267
DN 200	343	152	203	292
DN 250	406	203	245	330

#300				
SIZE	OD	PORT		F / F
		RP	FB	
DN 15	95	13	13	140
DN 20	117	13	19	152
DN 25	124	19	25	165
DN 32	133	25	32	178
DN 40	155	32	38	190
DN 50	165	38	50	216
DN 65	190	50	65	241
DN 80	210	58	76	282
DN 100	254	76	100	305
DN 150	318	100	152	403
DN 200	381	152	203	419
DN 250	444	203	245	457

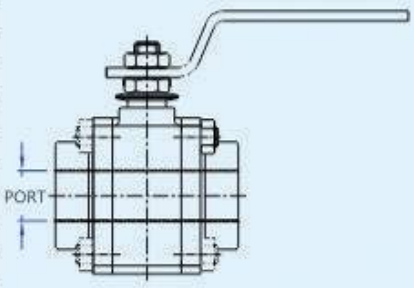
#600				
SIZE	OD	PORT		F / F
		RP	FB	
DN 15	95	13	13	165
DN 20	117	13	19	190
DN 25	124	19	25	216
DN 32	133	25	32	229
DN 40	155	32	38	241
DN 50	165	38	50	292
DN 65	190	50	65	330
DN 80	210	58	76	356
DN 100	273	76	100	432

3Pc, Floating Ball Valve

TECHNICAL DETAILS :

DESIGN STANDARD : EN ISO 17292
END DETAILS : SCREWED END AS PER ASME B1. 20.1
SOCKET WELD END AS PER ASME B16. 11
BUTT WELD END AS PER ASME B16.25
FACE TO FACE : MANUFACTURER STANDARD
TESTING STANDARD : BS EN 12266- 1 / API5 98

#800 / #1500		
SIZE	PORT	
	RP	FB
DN 15	9.5	13
DN 20	13	19
DN 25	19	25
DN 32	25	32
DN 40	32	38
DN 50	38	50



The above data is subject to change without notice due to our continuing product improvement program

POLY VALVE TECH

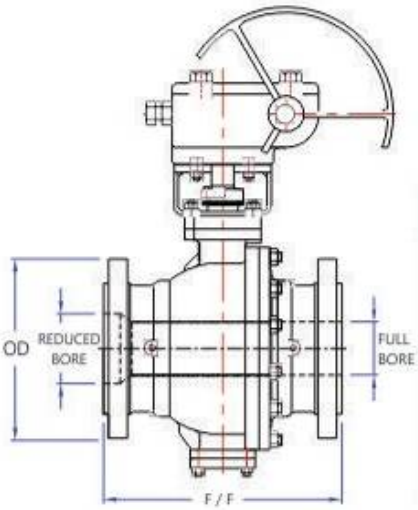
2Pc, Trunnion Mounted Ball Valve

In Trunnion Mounted Ball Valve the linear movement of the ball is restricted by trunnion support, hence the linear movement of the ball is minimised, and the seat sealing is achieved by the linear movement of the encased seat supported by compressed springs. There will be a least possible valve torque by minimising the linear movement of ball.

We provide both Soft seat and Metal seated valve in our Trunnion Mounted Ball Valves range. Also We provide Single Piston Effect Design and Double Piston Effect Design.

Features:

- High Performance Ball and Seats
- Anti Blowout Stem
- Anti-Static Device Connectivity
- DN50 - DN150 - Adapter and Lever Pipe Operation.
- DN150 & above Gear Operation.
- ISO Mounting Pad as per 5211
- OPEN / CLOSE Position Indicator Provided (Locking Arrangement Optional)



DN50 to DN150 - Lever Pipe and Adapter type Operation
DN150 Above - Gear Operation
Note : Pneumatic and Electrical Operated Valves can supply on request.

TECHNICAL DETAILS :

DESIGN STANDARD	: ASME B16.34 / API 6D
FLANGE END STANDARD	: ASME B16.5
FACE TO FACE STANDARD	: ASME B16.10
TESTING STANDARD	: BS EN 12266-1 / API 598
FIRESAFE TESTING STANDARD	: API 607 / ISO 10497 / API 6FA

# 150				
SIZE	OD	PORT		F/F
		RP	FB	
DN50	152	38	50	178
DN80	190	50	76	203
DN100	229	76	100	229
DN150	279	100	152	394
DN200	343	152	203	457
DN250	406	203	252	533
DN300	483	252	303	610

# 300				
SIZE	OD	PORT		F/F
		RP	FB	
DN50	165	38	50	216
DN80	210	58	76	282
DN100	254	76	100	305
DN150	318	100	152	403
DN200	381	152	203	502
DN250	444	203	252	568
DN300	521	252	303	648

# 600				
SIZE	OD	PORT		F/F
		RP	FB	
DN50	165	38	50	292
DN80	210	58	76	356
DN100	273	76	100	432
DN150	356	100	152	559
DN200	419	152	203	660
DN250	508	203	252	787
DN300	559	252	303	838

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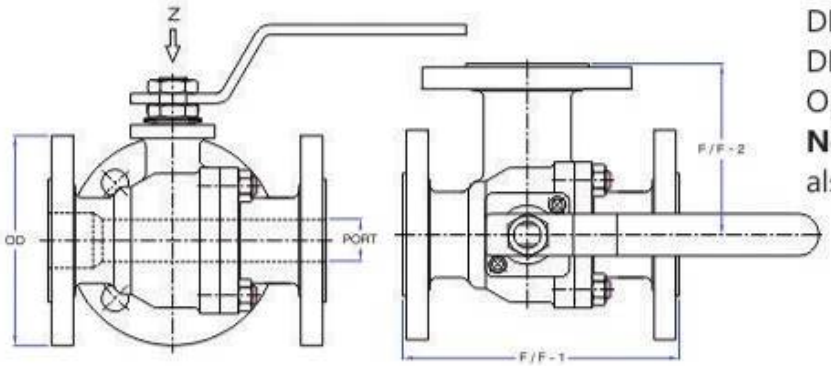
POLY VALVE TECH

3 Way Ball Valve

3 Way Ball Valve is a Ball Valve with 3 ports in 2 configurations as L-Port and T-Port type. 3 way Ball Valves are designed to divert the flow on desired directions, in which any port can be inlet port or outlet port depending on the pipe line requirement as shown in the below illustration drawing.



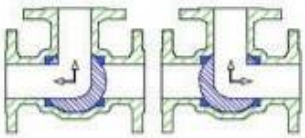
VIEW-Z

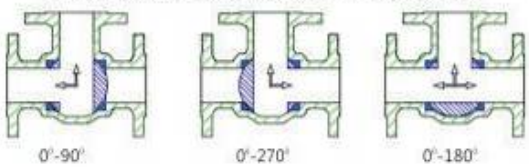
DN15 to DN40 - Lever Operation
DN50 to DN100 - Lever Piper and Adapter type Operation DN150 to DN250 - Gear Operation
Note : Pneumatic and Electrical Actuator also supply on request

DIMENSIONAL DETAILS

# 150					
SIZE	OD	PORT		F/F-1	F/F-2
		RP	FB		
25	108	19	25	138	77
40	127	32	38	165	102
50	152	38	50	198	110
65	178	50	65	222	160
80	190	50	76	245	151
100	229	76	100	280	160
150	279	100	152	370	190
200	343	152	203	429	240

# 300					
SIZE	OD	PORT		F/F-1	F/F-2
		RP	FB		
25	124	19	25	153	102
40	155	32	38	180	125
50	165	38	50	200	128
65	190	50	65	241	150
80	210	50	76	255	167
100	254	76	100	305	191
150	318	100	152	394	230
200	381	152	203	457	262


FLOW DIRECTION FOR 'L' TYPE, 2 SEAT



FLOW DIRECTION FOR 'T' TYPE, 2 SEAT

TECHNICAL DETAILS :	
DESIGN STANDARD	: **EN ISO 17292 / ASME B16.34 / API 6D**
FLANGE END STANDARD	: **ASME B16.5**
FACE TO FACE STANDARD	: **ASME B16.10**
TESTING STANDARD	: **BS EN 12266-1 / API 598**

Note : 3 Seat L-Port and T-Port 3 Way Ball Valve also Supply on Request. Please contact POLY VALVE TECH for dimensions and details.

The above data is subject to change without notice due to our continuing product improvement program.

POLY VALVE TECH

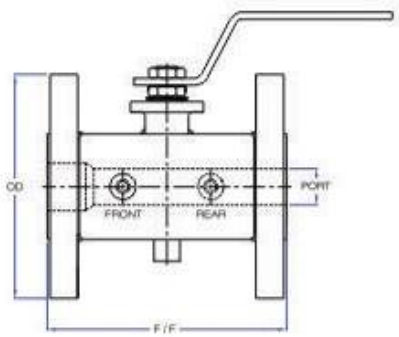
Jacketed Ball Valve

POLY VALVE TECH Jacketed Ball valve are provided with metallic jackets around the valve shell to maintain required temperature in the valve flow passage, by circulating the hot water through the jacket. Jacket flanges are always higher than the nominal bore size of the valve to provide enough space forvalve and pipeline bolting.

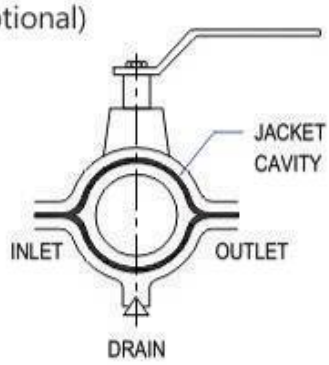
For Example : 3" x 4" Jacketed Ball Valve the nominal bore of 3" (DN 80) and the flange size is 4"(DN 100). It allows enough space for bolting clearance.

FEATURES :

- High Performance Ball and Seats
- Anti Blowout Stem
- Anti-Static Device Connectivity
- ISO Mounting Pad as per 5211
- Double D Stem
- OPEN / CLOSE Position Indicator Provided (Locking Arrangement Optional)



DN15 to DN40 - Lever Operation
DN50 to DN100 - Lever Piper and Adapter type Operation
DN150 to DN250 - Gear Operation
Note : Pneumatic and Electrical Actuator also supply on request



When piping the jacketed ball valves, check that no foreign objects will block the inlet, outlet or draining port. Proper piping enables the steam or Hot Water to flow more effectively to warm the jacketed area.

DIMENSIONAL DETAILS

# 150				
SIZE	OD	PORT		F/F
		RP	FB	
15 x 25	108	13	13	108
20 x 25	108	13	19	117
25 x 40	127	19	25	127
40 x 50	152	32	38	165
50 x 80	190	38	50	178
80 x 100	229	50	76	203
100 x 150	279	76	100	229
150 x 250	406	100	152	267

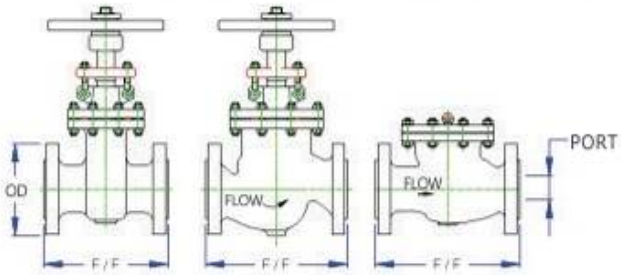
# 300				
SIZE	OD	PORT		F/F
		RP	FB	
15 x 25	124	13	13	140
20 x 25	124	13	19	152
25 x 40	155	19	25	165
40 x 50	165	32	38	190
50 x 80	210	38	50	216
80 x 100	254	50	76	282
100 x 150	318	76	100	305
150 x 250	444	100	152	403

TECHNICAL DETAILS :	
DESIGN STANDARD	: **EN ISO 17292 / ASME B16.4 / API 6D**
FLANGE END STANDARD	: **ASME B16.5**
FACE TO FACE STANDARD	: **ASME B16.10**
TESTING STANDARD	: **BS EN 12266-1 / API 598**

POLY VALVE TECH

Cast Steel Gate, Globe, Check Valve

The API 600 / API 623 / API 594 Gate, Globe and Swing Check Valves are exceptionally sturdy, rugged and durable, with a reputation for quality, integrity and long service. They are designed for tight shut off and ease of operation. The valves are available with flanged, Butt Weld End, Screwed End and Socket Weld End in pressure ratings from ASME Class 150 to Class 1500 and in different material of construction.



TECHNICAL DETAILS :	
DESIGN STANDARD	: API 600/API 623/API 594
FLANGE END STANDARD	: ASMEB16.5
FACE TO FACE STANDARD	: ASME B16.10
TESTING STANDARD	: BS EN 12266-1 / API 598

GATEVALVE#150			
SIZE (mm)	OD	PORT	F / F
50	152	50	178
65	178	65	190
80	190	76	203
100	229	100	229
150	279	152	267
200	343	203	292
250	406	252	330

GLOBE VALVE #150			
SIZE (mm)	OD	PORT	F / F
50	152	50	203
65	178	65	216
80	190	76	241
100	229	100	292
150	279	152	356
200	343	203	495
250	406	252	622

SWING CHECK VALVE #150			
SIZE (mm)	OD	PORT	F / F
50	152	50	203
65	178	65	216
80	190	76	241
100	229	100	292
150	279	152	356
200	343	203	495
250	406	252	622

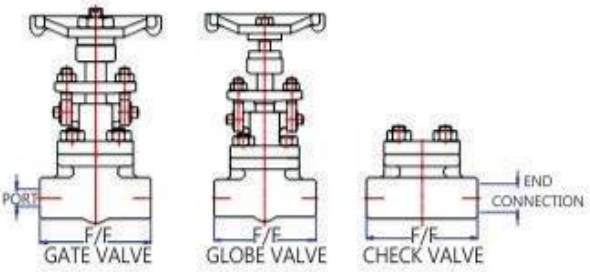
GATE VALVE #300			
SIZE (mm)	OD	PORT	F / F
50	165	50	216
65	190	65	241
80	210	76	282
100	254	100	305
150	318	152	403
200	381	203	419
250	444	252	457

GLOBE VALVE #300			
SIZE (mm)	OD	PORT	F / F
50	165	50	267
65	190	65	292
80	210	76	318
100	254	100	356
150	318	152	444
200	381	203	533
250	444	252	622

SWING CHECK VALVE #300			
SIZE (mm)	OD	PORT	F / F
50	165	50	267
65	190	65	292
80	210	76	318
100	254	100	356
150	318	152	444
200	381	203	533
250	444	252	622

FORGED GATE, GLOBE, CHECK, VALVE

TECHNICAL DETAILS :		
DESIGN STANDARD	:	API 602/BS EN ISO 15761
END DETAILS	:	SCREWED AS PER B1.20.1
		SOCKET WELD AS PER ASME B16.11
		BUTTWELD AS PER ASME B16.25
FACE TO FACE DETAILS	:	MANUFACTURER STANDARD
TESTING STANDARD	:	BS EN 12266-1 / API 598



FORGED GATE VALVE #800			
SIZE (mm)	END CONNECTION	STANDARD PORT	REGULAR PORT
15	1/2"	9	12
20	3/4"	12	17
25	1"	17	28
40	1-1/2"	28	36
50	2"	36	44

FORGED GLOBE VALVE #800			
SIZE (mm)	END CONNECTION	STANDARD PORT	REGULAR PORT
15	1/2"	9	12
20	3/4"	12	17
25	1"	17	28
40	1-1/2"	28	36
50	2"	36	44

FORGED CHECK VALVE #800			
SIZE (mm)	END CONNECTION	STANDARD PORT	REGULAR PORT
15	1/2"	9	12
20	3/4"	12	17
25	1"	17	28
40	1-1/2"	28	36
50	2"	36	44

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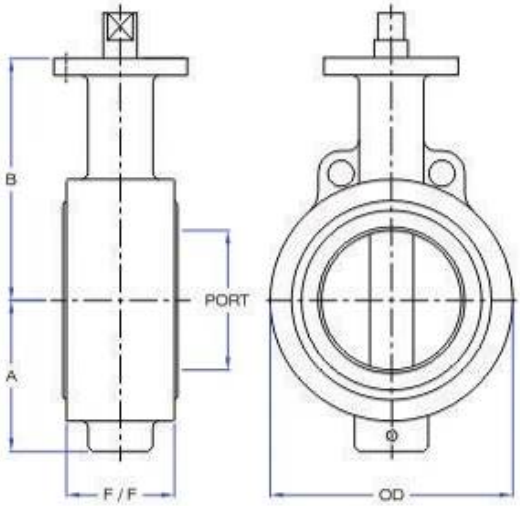
POLY VALVE TECH

WAFER & LUGGED TYPE BUTTERFLY VALVES are available in sizes from DN40 (1-1/2") to DN 300 (12") in PN10, PN16 Pressure Rating. The valves are developed to provide reliable sealing in water and airlines. Bubble-tight sealing is obtained by the tight interference fit between Seat and Disc.



DN40 – DN150 – Lever Operation
DN200 – DN300 – Gear Operation

BUTTERFLY VALVE					
SIZE (mm)	OD	PORT	A	B	F / F
40	72	-	47	87	43
50	91	30.98	59	113	43
65	97	48.74	61	110	46
80	117	66.42	73	128	46
100	149	90.64	91	154	52
125	169	115.10	105	169	56
150	202	140.23	122	189	56
200	250	189.53	146	214	60
250	308	240.99	185	251	68
300	361	289.68	214	289	78

TECHNICAL DETAILS	
DESIGN STANDARD	: API 609 / BS 5155
FLANGE END DETAILS	: TO SUIT ASME B16.5 #150 #300 / PN10 / PN16
FACE TO FACE DETAILS	: API 609 / BS 5155
TESTING STANDARD	: BS EN 12266-1 / API 598

Note : 1. Pneumatic and Electrical Operated Valves can supply on request.
2. Double Eccentric and Triple Eccentric Butterfly Valves can supply on request.

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POLY VALVE TECH
ISO 9001:2015 Certified Company

SM285, 286, MT Sagar
Industrial Estate, Gokul Road,
Hubballi-580025, Karnataka, India
info@polyvalvetech.com
sales@polyvalvetech@gmail.com
97395 12003, 94835 30728

DEALER