



THERMOPLASTIC VALVES INC.

**TRUEUNION BALL VALVE
BUTT WELDING ENDS**

SIZE: 1/2" - 4"

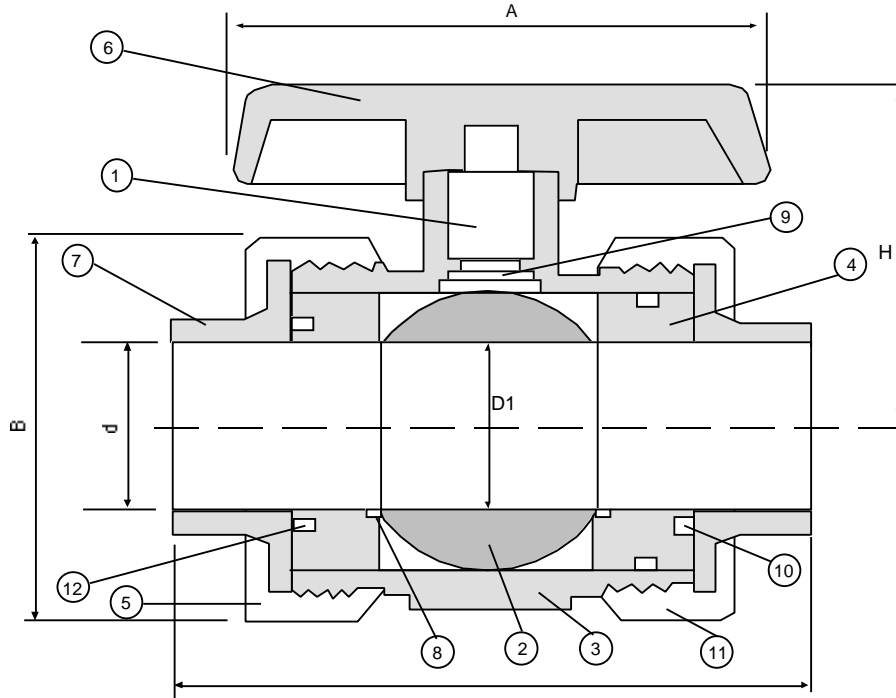
**DWN BY
CKP**

**DATE
04/01**

**DWG NO.
TUBW**

CERTIFIED

CORRECT FOR GENERAL DIMENSIONS Date _____ Per: _____



Materials of Construction

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Stern	1	PP, PVDF	8	Seat	2	PTEE
2	Ball	1	PP, PVDF	9	Stem O-rings	1	EPDM, VITON®
3	Body	1	PP, PVDF	10	Seat Carrier O-ring	1	EPDM, VITON®
4	Seat Carrier	1	PP, PVDF	11	Body End O-ring	1	EPDM, VITON®
5	Union Nut	1	PP, PVDF	12	Solid End O-ring	1	EPDM, VITON®
6	Handle	1	ABS				
7	Connector	2	PP, PVDF				

VITON® and TEFLON® are trademarks of DuPont Performance Elastomers

Ansi Dimensions

Size Inch	D1	d	P	L	A	H	B	Working Pressure (PSI)	Test Pressure (PSI)
1/2"	.59	.59	1.96	6.40	3.23	1.85	1.85	100	150
3/4"	.75	.75	1.96	6.90	3.98	2.52	2.50	100	150
1"	.98	1.02	1.96	7.02	4.37	2.64	2.64	100	150
1 1/4"	1.50	1.25	1.96	7.40	5.04	3.27	3.78	100	150
1 1/2"	1.50	1.60	1.96	7.60	4.96	3.27	3.78	100	150
2"	1.97	2.02	1.96	8.25	5.98	4.02	4.45	100	150
2 1/2"	2.56	2.38	1.96	8.45	7.48	5.51	5.90	70	105
3"	3.07	2.89	3.15	12.13	9.06	6.50	7.25	70	105
4"	3.90	3.55	3.15	17.05	10.79	6.77	7.85	70	105

Testing performed on PP/EPDM valves at 73°F water temperature, non-shock.
Test pressures drop drastically when temperatures exceed 100°F.