

TBB Series Commercial True Union Ball Valves

1/2" TO 4" PVC, CPVC, PP* AND PVDF

KEY FEATURES

- PVC, CPVC, PP and PVDF Materials
- Full Port Design
- FPM or EPDM Seals
- PTFE Seats
- Double O-Ring Stem Seals
- Adjustable Seat Retainer

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- GFPP Cell Class 85580 per ASTM D4101
- PVDF
- FPM and EPDM O-Ring Seals



TECHNICAL INFORMATION

SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 4" (DN15 – DN100)	PVC, CPVC	Socket, Threaded or Flanged*	FPM or EPDM	225 PSI @ 70°F 15 Bar @ 21°C Non-Shock
	PVDF	Threaded or Flanged*		
2-1/2" – 4" (DN65 – DN100)	PP*	Threaded or Flanged*		

* All flanged valves are rated to 150 PSI @ 70°F Non-Shock (10 Bar @ 21°C)

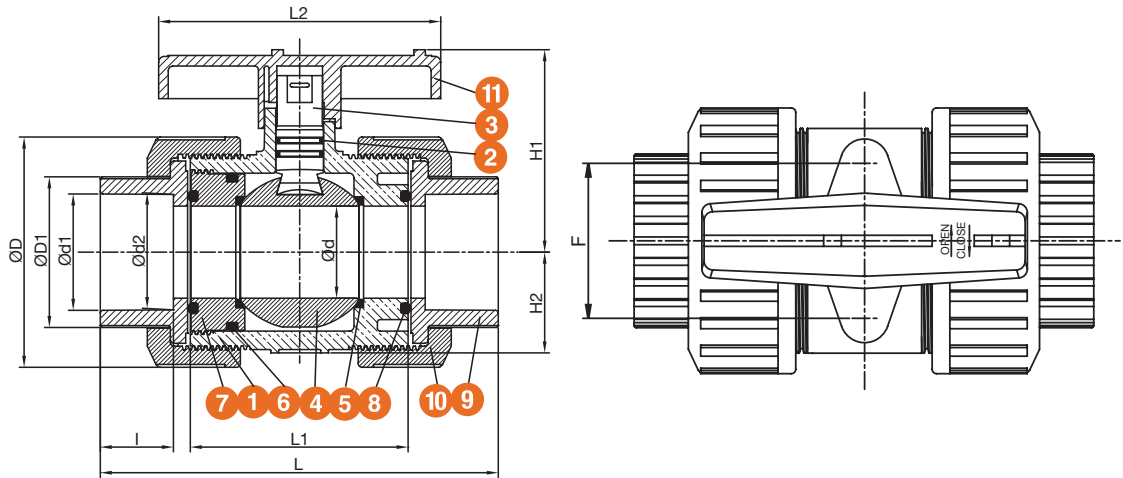
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TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Body
2. Stem O-Ring
3. Stem
4. Ball
5. Seat Seal
6. Carrier O-Ring
7. Seal Carrier
8. Union O-Ring
9. End Connector
10. Union Nut
11. Handle

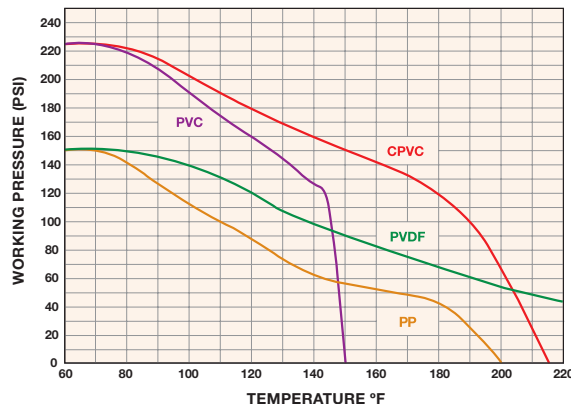


DIMENSIONS

SIZE in / DN	d1 in / mm	d2 in / mm	I in / mm	D in / mm	D1 in / mm	d in / mm	L in / mm	L1 in / mm	L2 in / mm	H1 in / mm	H2 in / mm	F in / mm
1/2 / 15	.85 / 22	.84 / 21	.87 / 22	1.83 / 46	1.23 / 31	.51 / 13	4.49 / 114	2.36 / 60	3.07 / 78	1.85 / 47	.81 / 21	1.2 / 30
3/4 / 20	1.06 / 27	1.05 / 27	1.00 / 25	2.17 / 55	1.46 / 37	.71 / 18	5.31 / 135	2.87 / 73	3.62 / 92	2.24 / 57	1.02 / 26	1.3 / 33
1 / 25	1.32 / 34	1.31 / 33	1.13 / 29	2.60 / 66	1.75 / 44	.91 / 23	5.87 / 149	3.11 / 79	3.94 / 100	2.60 / 66	1.30 / 33	1.6 / 41
1-1/4 / 32	1.67 / 42	1.66 / 42	1.25 / 32	3.23 / 82	2.13 / 54	1.18 / 30	6.61 / 168	3.46 / 88	4.33 / 110	2.91 / 74	1.50 / 38	1.9 / 48
1-1/2 / 40	1.91 / 49	1.89 / 48	1.38 / 35	3.86 / 98	2.54 / 65	1.50 / 38	6.89 / 175	3.72 / 94	4.76 / 121	3.43 / 87	1.57 / 40	2.0 / 51
2 / 50	2.39 / 61	2.37 / 60	1.50 / 38	4.72 / 120	3.09 / 78	1.89 / 48	8.15 / 207	4.47 / 114	5.79 / 147	4.17 / 106	2.09 / 53	2.8 / 71
2-1/2 / 65	2.89 / 73	2.87 / 73	1.75 / 44	5.51 / 140	3.60 / 91	2.40 / 61	10.83 / 275	5.43 / 138	7.09 / 180	4.57 / 116	N/A	N/A
3 / 80	3.52 / 89	3.49 / 89	1.88 / 48	6.42 / 163	4.23 / 107	2.70 / 69	11.97 / 304	6.22 / 158	8.82 / 224	5.12 / 130	N/A	N/A
4 / 100	4.52 / 115	4.49 / 114	2.25 / 57	8.86 / 225	5.73 / 146	3.90 / 99	13.03 / 331	6.93 / 176	10.94 / 278	7.01 / 178	N/A	N/A

Dimensions are subject to change without notice – consult factory for installation information *PP only available from 2-1/2" - 4"

OPERATING TEMPERATURE/PRESSURE



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