

BLUE STANDARD

NSF® Approved True Union Saf-Bloc Ball Valve

Features

Socket, NPT, or Flanges

Dual union ends simplify piping

**Reversible PTFE Seats provide
smooth operation**

NSF Certified

**All Plastic Construction;
no wetted metals**

Full port design



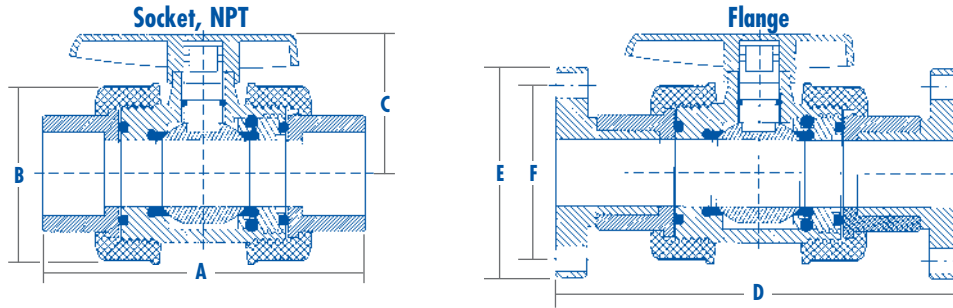
Design & Materials

Valve body, stem, ball, seat carrier, union nuts and connections are choice of PVC, CPVC, beige polypro, or PVDF. Seats are PTFE; O-rings are choice of EPDM or FKM. Handle is molded of ABS. Maximum test pressure under laboratory conditions at 75° F is 222 PSI on 1/2" through 2" sizes; 148 PSI for 2 1/2" through 4" sizes. Polypro is rated at 70% of these values. Actual maximum pressure varies by application based on temperature, flow rate, and media. For assistance, please consult factory.



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Dimensions



Series BT645											
Pipe Size	Part Number	A		B		C		D		EØ	FØ
		In.	MM	In.	MM	In.	MM	In.	MM	In.	In.
1/2"	BT645-050EPS-PV	4.57	116	2.17	55	2.17	55	6.06	154	3.500	2.375
3/4"	BT645-075EPS-PV	5.24	133	2.56	65	2.36	60	6.54	166	3.875	2.375
1"	BT645-100EPS-PV	5.87	149	2.87	73	2.80	71	7.60	193	4.250	3.125
1 1/4"	BT645-125EPS-PV	6.77	172	3.19	81	2.95	75	8.58	218	4.625	3.500
1 1/2"	BT645-150EPS-PV	7.48	190	3.86	98	3.74	95	9.30	236	5.00	3.875
2"	BT645-200EPS-PV	8.07	205	4.72	120	4.09	104	10.10	257	6.000	4.750
2 1/2"	BT645-250EPS-PV	8.97	228	5.90	150	5.51	140	11.10	282	7.00	5.500
3"	BT645-300EPS-PV	10.62	270	7.24	184	6.50	165	13.00	330	7.500	6.000
4"	BT645-400EPS-PV	12.76	324	10.31	262	6.77	172	15.15	385	9.00	7.500

Cross Reference

Blue Standard BT645 is similar to the specifications of the following competitive ball valves:

TB Series	Type 375	101N	CB
Type 21	TU2000	050N	
Type 546	TU-2	VX	

Cross referenced valves may differ dimensionally. for upgrade, refer to True Blue MBV.

Ordering Information

Pipe Size	PVC Part Numbers	
	EPDM	FKM
1/2"	BT645-050EPS-PV	BT645-050VS-PV
3/4"	BT645-075EPS-PV	BT645-075VS-PV
1"	BT645-100EPS-PV	BT645-100VS-PV
1 1/4"	BT645-125EPS-PV	BT645-125VS-PV
1 1/2"	BT645-150EPS-PV	BT645-150VS-PV
2"	BT645-200EPS-PV	BT645-200VS-PV
2 1/2"	BT645-250EPS-PV	BT645-250VS-PV
3"	BT645-300EPS-PV	BT645-300VS-PV
4"	BT645-400EPS-PV	BT645-400VS-PV

Part numbers shown have socket connections.

For threaded connections on EPDM models, change EPS to EPT.
Example: BT645-050EPT-PV.

For threaded connections on FKM models, change VS to VT.
Example: BT645-050VT-PV.

For Flanges, use the letter F in place of S.
Example: BT645-050EPF-PV.

For CPVC, change -PV to -CP.

For Polypro, change -PV to -PP.

For PVDF, change -PV to -PF.

Example: BT645-050EPS-PF



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