

BASIKS

True Union Universal Mount Ball Valve

Features

Universal Mounting Pad

Saf-Bloc Design

Socket, NPT, or flanges

Dual union ends simplify piping

Reversible PTFE seats provide smooth operation

All Plastic internal construction; no wetted metals

Full port design

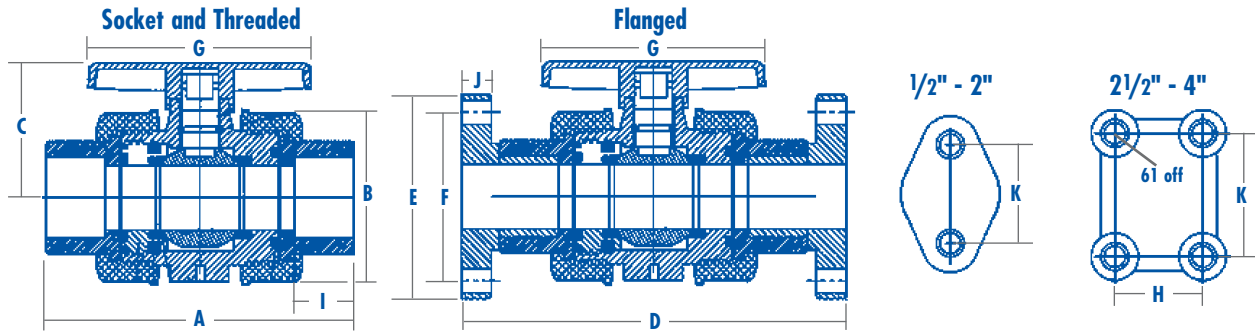


Design & Materials

Valve body, stem, ball, seat carrier, union nuts & connections are choice of PVC, CPVC, polypro, or PVDF. Seats are PTFE; o-rings are choice of EPDM or FKM. Handle is molded of ABS. Mounting threads (non-wetted) are brass and 304 stainless steel. Maximum test pressure under laboratory conditions at 75° F is 148 PSI on 1/2" through 2" sizes; 100 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.

**BASIKS****888-689-8258**www.basiks.usinfo@basiks.us

Dimensions



Series BT646

Pipe Size	Part Number	A		B		C		D		E	F	G		H		I		J		K	
		In.	MM	In.	MM	In.	MM	In.	MM	In.	In.	In.	MM	In.	MM	In.	MM	In.	MM	In.	MM
1/2"	BT646-050EPS-PV	4.57	116	2.10	53	2.10	53	5.98	152	3.500	2.375	3.25	83			0.98	25	0.58	15	1.22	31
3/4"	BT646-075EPS-PV	5.04	128	2.48	63	2.48	63	6.42	163	3.875	2.750	3.98	101			1.00	25	0.58	15	1.45	37
1"	BT646-100EPS-PV	5.69	145	2.64	67	2.63	67	7.36	187	4.250	3.125	4.4	112			1.13	29	0.66	17	1.57	40
1 1/4"	BT646-125EPS-PV	7.20	183	3.82	97	3.38	86	8.86	225	4.625	3.500	4.78	121			1.13	29	0.66	17	2.16	55
1 1/2"	BT646-150EPS-PV	7.20	183	3.82	97	3.38	86	9.13	232	5.000	3.875	4.78	121			1.38	35	0.75	19	2.16	55
2"	BT646-200EPS-PV	7.95	202	4.68	119	3.93	100	9.98	253	6.000	4.750	5.68	144			1.50	38	0.83	21	2.67	68
2 1/2"	BT646-250EPS-PV	8.98	228	5.90	150	5.51	140	11.10	282	7.000	5.500	7.48	190	1.61	41	1.75	44	0.83	21	3.15	80
3"	BT646-300EPS-PV	10.63	270	7.24	184	6.50	165	13.00	330	7.500	6.000	9.06	230	1.61	41	1.88	48	0.87	22	3.15	80
4"	BT645-400EPS-PV	12.76	324	10.37	263	6.77	172	15.15	385	9.000	7.500	10.87	276	1.97	50	2.25	57	0.87	22	4.76	121

Cross Reference

BASIKS BT646 meets or exceeds the specifications of the following competitive ball valves:

TBB Series

True Union 2000

050N

051N

VKE/PMKD

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

Ordering Information

Pipe Size	Mounting Pad and Flange Hole Specifications			# of Holes
	Part Number	Mounting Pad Thread	Flange Hole Size	
1/2"	BT646-050EPS-PV	3/16" - 24G	0.625	4
3/4"	BT646-075EPS-PV	1/4" - 20G	0.625	4
1"	BT646-100EPS-PV	1/4" - 20G	0.625	4
1 1/4"	BT646-125EPS-PV	5/16" - 18G	0.625	4
1 1/2"	BT646-150EPS-PV	5/16" - 18G	0.625	4
2"	BT646-200EPS-PV	5/16" - 18G	0.75	4
2 1/2"	BT646-250EPS-PV	5/16" - 18G	0.75	4
3"	BT646-300EPS-PV	5/16" - 18G	0.75	4
4"	BT646-400EPS-PV	5/16" - 18G	0.75	8

Part numbers shown have socket connections.

For threaded connections on EPDM models, change EPS to EPT. Example: BT646-050EPT-PV.

For threaded connections on FKM models, change VS to VT. Example: BT646-050VT-PV.

For Flanges, use the letter F in place of S. Example: BT646-050EPF-PV.

For other materials and elastomers, consult factory.



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