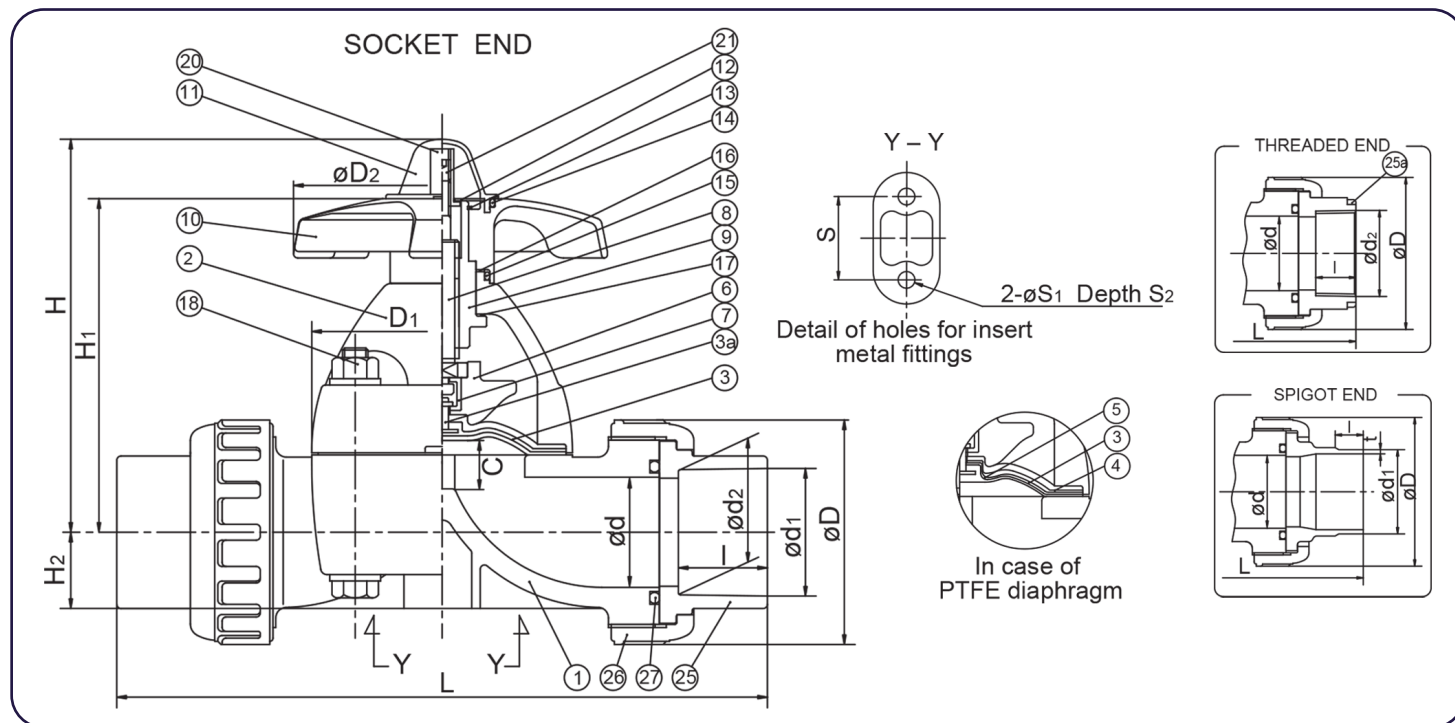


Type-14 True Union Diaphragm Valve

Dimensional Guide

DIMENSIONS (SIZES 1/2" - 2") (INCHES):



Nominal Size		d	Socket											Threaded			
			PVC, CPVC				PP, PVDF (DIN)				PP, PVDF (IPS)			d1	l	L	
ASTM Sch. 80			L	d1	d2	l	L	d1	l	L	PVC, CPVC	PP, PVDF					
inch	mm												d1			d2	l
1/2	15	0.63	0.848	0.848	0.875	5.47	0.768	0.760	0.57	4.92	0.83	0.87	5.43	1/2 14NPT	0.59	5.04	5.04
3/4	20	0.79	1.058	1.046	1.000	6.18	0.965	0.957	0.63	5.55	1.03	1.00	6.09	3/4 14NPT	0.67	5.83	5.83
1	25	0.98	1.325	1.310	1.125	7.32	1.240	1.232	0.71	6.46	1.30	1.13	7.24	1 - 11-1/2NPT	0.79	6.77	6.77
1-1/4	32	1.26	1.670	1.655	1.250	7.95	1.553	1.543	0.81	6.97	1.65	1.25	7.80	1 1/4 - 11-1/2NPT	0.87	7.40	7.40
1-1/2	40	1.57	1.912	1.894	1.375	10.47	1.947	1.937	0.93	9.09	1.89	1.37	10.28	1 1/2 - 11-1/2NPT	0.98	9.65	9.65
2	50	2.05	2.387	2.369	1.500	11.54	2.461	2.445	1.08	10.79	2.36	1.50	11.54	2 - 11-1/2NPT	1.10	11.06	10.95

Nominal Size		Spigot (Butt End)					D	D1	D2	C (Lift)	H	H1	S	S1	S2
		PP, PVDF													
		DIN 3442		PP	PVDF	L									
inch	mm	d1	l	t	t										
1/2	15	0.787	0.728	0.098	0.075	5.906	1.89	2.13 x 2.60	3.46	0.39	4.09	3.39	0.98	0.28	0.51
3/4	20	0.984	0.866	0.106	0.075	6.772	2.36	2.13 x 2.60	3.46	0.39	4.17	3.46	0.98	0.28	0.51
1	25	1.260	0.886	0.118	0.094	7.677	2.76	2.64 x 3.15	3.46	0.47	4.37	3.66	0.98	0.28	0.51
1-1/4	32	1.575	1.024	0.146	0.094	8.346	3.23	2.64 x 3.16	3.46	0.47	4.57	3.82	0.98	0.28	0.51
1-1/2	40	1.969	1.260	0.181	0.118	10.866	3.94	4.25 x 4.25	6.14	0.83	6.97	5.67	1.77	0.35	0.59
2	50	2.480	1.417	0.228	0.118	12.087	4.17	4.84 x 4.84	6.14	0.98	7.52	6.22	1.77	0.35	0.59

Note: The shape and appearance of assembly differ slightly with nominal size compared to the drawing.

Type-14 True Union Diaphragm Valve

Dimensional Guide

PARTS LIST (SIZES 1/2" - 2"):

Parts List			
No.	Description	Pcs.	Material
1	Body	1	PVC, CPVC, PP, PVDF
2	Bonnet	1	PVC, PPG, PP, PVDF
25	End connector	2	PVC, CPVC, PP, PVDF
26	Union nut	2	PVC, CPVC, PP, PVDF
3	Diaphragm	1	EPDM, PTFE, others
3a	Diaphragm metal insert	1	Stainless steel 304
4	Cushion*	1	EPDM
5	PVDF gas barrier*	1	PVDF
6	Compressor	1	PVDF
7	Joint	1	Stainless steel 304
8	Stem	1	Copper alloy
9	Sleeve	1	Copper alloy
10	Handwheel	1	PP
11	Gauge cover	1	Polycarbonate
12	Nameplate	1	PVC
13	Retaining ring (C type)	1	Stainless steel 304
14	O-ring (A)	1	EPDM
15	O-ring (B)	1	EPDM
16	Thrust ring (A)	1	UHMWPE
17	Thrust ring (B)	1	UHMWPE
18	Bolt, nut, washer	4 sets	Stainless steel 304
20	Stopper (A)	1	Copper alloy
21	Screw	1	Stainless steel 304
27	O-ring (C)	2	EPDM, FKM, others
25a	Ring**	2	EPDM, FKM, others

* Used for PTFE diaphragm

** Used for CPVC body, threaded end, sizes 1/2" - 1"