

TRUE UNION DIAPHRAGM VALVE TYPE 14 15mm - 50mm(1/2inch - 2inch)



FEATURES

Easy Maintenance

The valve body can be removed from the pipe line by loosening the union nuts at both its ends.

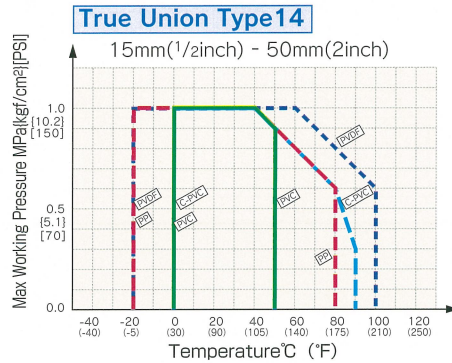
Bottom Stand for Easy Support

Having a new bottom stand with an insert hole, DIAPHRAGM VALVE TYPE 14 helps support the piping. The valve is also provided with a flange stand to increase installation safety.

MATERIAL AND WORKING TEMPERATURE

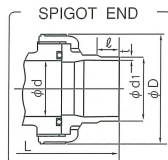
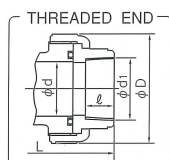
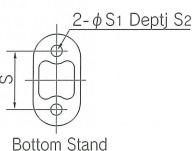
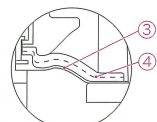
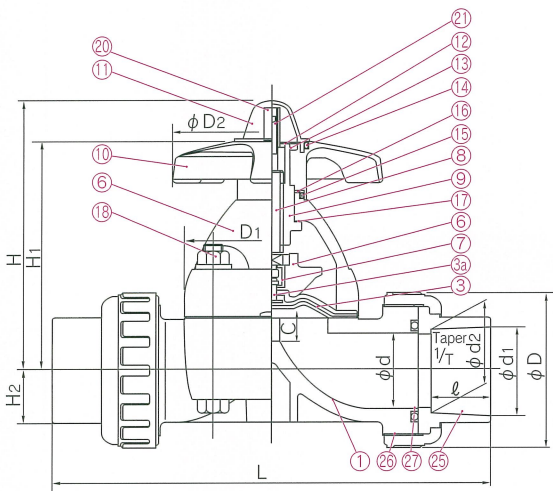
Body material	Nominal size mm(inch)	Working Temperature °C (°F)	Max. Working Pressure at 20°C(70°F) MPa[kgf/cm²] [PSI]	End Connectors
Unplasticized Polyvinyl Chloride(PVC)	15 - 50(1/2 - 2)	0 - 50(30 - 120)	1.0{10.2} [150]	Socket End. Threaded End
Chlorinated Polyvinyl Chloride(C-PVC)	15 - 50(1/2 - 2)	0 - 90(30 - 195)	1.0{10.2} [150]	Socket End. Threaded End
Polypropylene(PP)	15 - 50(1/2 - 2)	-20 - 80(-5 - 175)	1.0{10.2} [150]	Socket End. Threaded End
Polyvinylidene Fluoride(PVDF)	15 - 50(1/2 - 2)	-20 - 100(-5 - 210)	1.0{10.2} [150]	Socket End. Threaded End. Spigot End

WORKING PRESSURE VS. TEMPERATURE



DIMENSION

SOCKET END



PARTS & MATERIALS

No.	DESCRIPTION	Pcs.	MATERIAL	No.	DESCRIPTION	Pcs.	MATERIAL
①	BODY	1	BODY/BONNET	⑪	GAUGE COVER	1	PC
			PVC/PVC C-PVC/PP PP/PP PVDF/PPG PVDF/PVDF	⑫	NAME PLATE	1	PVC
②	BONNET	1		⑬	RETAINING RING-C TYPE	1	STAINLESS STEEL304
				⑭	O-RING(A)	1	EPDM
③	DIAPHRAGM	1	EPDM	⑮	O-RING(B)	1	EPDM
			IIR NBR, CSM CPE, FKM VIFLON C (FKM-C) VIFLON F (FKM-F) PTFE	⑯	THRUST RING(A)	1	UHMWPE
④	CUSHION	1	EPDM*	⑰	THRUST RING(B)	1	UHMWPE
			PVDF	⑱	BOLT·NUT	4	STAINLESS STEEL304
⑤	COMPRESSOR	1	STAINLESS STEEL304	⑳	STOPPER	1	COPPER ALLOY(C3604)
				㉑	SCREW	1	STAINLESS STEEL304
⑥	JOINT	1		㉒	ENDCONNECTOR	2	PVC C-PVC PP PVDF
				㉓	UNION NUT	2	PVDF
⑦	STEM	1	COPPER ALLOY(C3604)	⑳	O-RING(C)	2	EPDM FKM Others
⑧	SLEEVE	1	COPPER ALLOY(C3604)				
⑩	HAND WHEEL	1	PP				

*With PTFE Diaphragm

DIMENSIONS TABLE

Nominal Size		d	Socket End												Threaded End				Spigot End				D	D ₁	D ₂	C (LIFT)	H	H ₁	H ₂	S	S ₁	S ₂
mm	inch		PVC, C-PVC				PP				PVDF				JIS B 0203		L		PVDF													
			d ₁	ℓ	1/T	L	d ₁	d ₂	ℓ	L	d ₁	d ₂	ℓ	L	d ₁	ℓ	PVC, C-PVC	PP, PVDF	d ₁	t	ℓ	L										
15	1/2	16	22.11	20	1/34	134	21.2	20.2	20	134	21.50	21.30	20	134	Rc 1/2	15	128	128	22	1.9	20	173	48	54x66	100	10	104	86	19.5	25	7	13
20	3/4	20	26.13	24	1/34	156	26.2	25.2	23	154	25.50	25.30	22	152	Rc 3/4	17	148	148	26	1.9	20	193	60	54x66	100	10	106	88	17.5	25	7	13
25	1	25	32.16	27	1/34	186	33.0	32.0	25	182	31.50	31.30	24	180	Rc 1	20	172	172	32	2.4	20	218	70	67x80	100	12	111	93	18.5	25	7	13
32	1 1/4	32	38.19	30	1/34	200	—	—	—	—	37.45	37.20	25	190	Rc 1 1/4	22	188	188	38	2.4	20	229	82	67x80	100	12	116	97	22.5	25	7	13
40	1 1/2	40	48.21	37	1/37	271	47.0	46.0	28	253	47.45	47.20	28	253	Rc 1 1/2	25	245	245	48	3	20	286	100	108x108	156	21	177	144	27.5	45	9	15
50	2	52	60.25	42	1/37	303	59.0	58.0	28	275	59.45	59.10	30	279	Rc 2	28	281	278	60	3	20	311	106	123x123	156	25	191	158	36	45	9	15

Nominal Size		d	Socket End								Threaded End				Spigot End						D	D ₁	D ₂	C (LIFT)	H	H ₁	H ₂	S	S ₁	S ₂	
mm	inch		PVC, C-PVC			PP, PVDF					DIN 2999		L		PVC		PP, PVDF														
			DIN 8063		L	DIN 16962(PP)			L	d ₁	ℓ	PVC, C-PVC	PP, PVDF	d ₁	ℓ	L	DIN 3441	L	DIN 3442	PP											PVDF
15	1/2	16	20	16	128	19.5	19.3	14.5	125	Rp 1/2	15	128	128	20	18.5	150	20	18.5	2.5	1.9	150	48	54x66	100	10	104	86	19.5	25	7	13
20	3/4	20	25	19	147	24.5	24.3	16	141	Rp 3/4	17	148	148	25	24	172	25	22	2.7	1.9	172	60	54x66	100	10	106	88	17.5	25	7	13
25	1	25	32	22	172	31.5	31.3	18	164	Rp 1	20	172	172	32	24.5	195	32	22.5	3.0	2.4	195	70	67x80	100	12	111	93	18.5	25	7	13
32	1 1/4	32	40	26	188	39.45	39.2	20.5	177	Rp 1 1/4	22	188	188	40	28	212	40	26	3.7	2.4	212	82	67x80	100	12	116	97	22.5	25	7	13
40	1 1/2	40	50	31	246	49.45	49.2	23.5	231	Rp 1 1/2	25	245	245	50	34	276	50	32	4.6	3.0	276	100	108x108	156	21	177	144	27.5	45	9	15
50	2	52	63	38	294	62.5	62.1	27.5	274	Rp 2	28	281	278	63	38.5	308	63	36	5.8	3.0	307	106	123x123	156	25	191	158	36	45	9	15

Nominal Size		d	Socket End						Threaded End				D	D ₁	D ₂	C (LIFT)	H	H ₁	H ₂	S	S ₁	S ₂	
inch	mm		PVC, C-PVC			PP, PVDF(IPS)			ANSI/ASME B1-20-1		L												
			ASTM SCH80			L	d ₁	ℓ	L	d ₁	ℓ	PVC, C-PVC											PP, PVDF
1/2	15	0.63	0.848	0.836	0.875	5.47	0.83	0.87	5.43	1/2-14NPT	0.59	5.04	5.04	1.89	2.13x2.60	3.94	0.39	4.09	3.39	0.77	0.98	0.28	0.51
3/4	20	0.79	1.058	1.046	1.000	6.18	1.03	1.00	6.09	3/4-14NPT	0.67	5.83	5.83	2.36	2.13x2.60	3.94	0.39	4.17	3.46	0.69	0.98	0.28	0.51
1	25	0.98	1.325	1.310	1.125	7.32	1.30	1.13	7.24	1-11 1/2NPT	0.79	6.77	6.77	2.76	2.64x3.15	3.94	0.47	4.37	3.66	0.73	0.98	0.28	0.51
1 1/4	32	1.26	1.670	1.655	1.250	7.95	1.65	1.25	7.80	1 1/4-11 1/2NPT	0.87	7.40	7.40	3.23	2.64x3.15	3.94	0.47	4.57	3.82	0.89	0.98	0.28	0.51
1 1/2	40	1.57	1.912	1.894	1.375	10.47	1.89	1.37	10.28	1 1/2-11 1/2NPT	0.98	9.65	9.65	3.94	4.25x4.25	6.14	0.83	6.97	5.67	1.08	1.77	0.35	0.59
2	50	2.05	2.387	2.369	1.500	11.54	2.36	1.50	11.54	2-11 1/2NPT	1.10	11.06	10.95	4.17	4.84x4.84	6.14	0.98	7.52	6.22	1.42	1.77	0.35	0.59