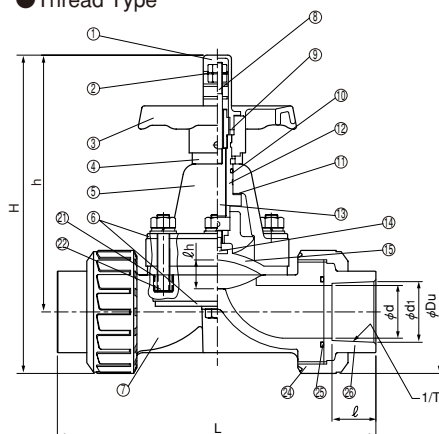


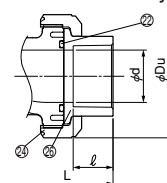
True Union Type (Thread Type · TS Socket Type and Butt Fused Type)



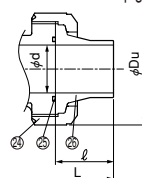
● Thread Type



● TS Socket Type



● Butt Fused Spigot Type



Parts List

No.	Part Name	Q'ty	Material	No.	Part Name	Q'ty	Material
①	Indicator Cover	1	PC	⑮	Diaphragm	1	EPDM, PTFE or C-PE
②	Indicator	1	SUS304	⑯	Lock Pin for 32~50A	2	SUS304
③	Handle	1	PVC	⑰	Stem Set	1	PP
④	Collar	1	PE	⑱	Lock Pin for Compressor	1	SUS304
⑤	Bonnet	1	PVC, HT or PVDF	⑲	Metallic Fixtures for Compressor	1	C3604
⑥	Reinforcement Plate for HT and PVDF	1	SUS304	⑳	Compressor	1	GF-PP
⑦	Body	1	PVC, HT or PVDF	㉑	Insert Nut	—	C3604, SUS304
⑧	Indicator Stud Bolt	1	SUS304	㉒	Stud Bolt	—	SUS304
⑨	Stem Packing	1	NBR	㉓	Bolt & Nut	—	SUS304
⑩	O-ring	1	NBR	㉔	Union Nut	2	PVC, HT or PVDF
⑪	Thrust Washer	1	PTFE, SUJ	㉕	O-ring	2	EPDM or FPM
⑫	Stem Sleeve	1	C3604	㉖	Socket	2	PVC, HT or PVDF
⑬	Stem Spindle	1	C3604	㉗	Inserted Nut	2	C3604
⑭	Insert Bolt	EPDM	SS400/Cr Plated SS				
		PTFE	SUS304 or Titanium				

Unit:mm

Size		d	L			H		h		DH	W		Du		ℓh	Female Thread		TS Socket		Butt Spigot
A	B		Thread	TS Socket	Butt Spigot	Thread·TS Socket	Butt Spigot	Thread·TS Socket	Butt Spigot		Thread·TS Socket	Butt Spigot	Thread·TS Socket	Butt Spigot		Size	ℓ	d1	1/T Taper	ℓ
15	1/2	15	133	144	185	153	145	128	120	80	76	76	49	48	10	Rc 1/2	15	22.3	1/37	22
20	3/4	20	158	172	200	170	162	141	132	80	82	82	59	58	12	Rc 3/4	20	26.3	1/42	25
25	1	25	181	187	212	185	180	152	147	80	90	90	67	66	15	Rc 1	25	32.3	1/43	29
32	1 1/4	31	—	262	—	257	255	208	206	125	122	122	98	96	20	—	—	38.4	1/37	32
40	1 1/2	40	248	262	273	257	255	208	206	125	122	122	98	96	20	Rc 1 1/2	31	48.5	1/38	35
50	2	50	280	298	300	299	291	239	231	148	148	142	120	117	27	Rc 2	32	60.7	1/34	38

*Female thread dimensions are in accordance with JIS B 0203.

*Size 32A is same as 40A, it is changed to connection 32A.

Size		Weight (kg/pc)					Q'ty per Carton
A	B	PVC		HT (CPVC)		PVDF	
		Thread	TS Socket	TS Socket	Thread	Butt spigot	
15	1/2	0.7	0.7	0.8	0.9	0.9	12
20	3/4	0.8	0.8	1.0	1.0	1.0	12
25	1	1.1	1.1	1.2	1.4	1.4	12
32	1 1/4	—	1.1	—	—	—	4
40	1 1/2	2.7	2.7	3.4	3.7	3.7	4
50	2	3.6	3.6	4.3	5.0	5.0	4

Usable Liquid Temperature & Maximum Working Pressure

Material	Usable Temperature (°C)	max. Working Pressure at Room Temp (MPa)	
		EPDM	PTFE
PVC	0~50	1.0	1.0
HT (CPVC)	0~90	1.0	1.0
PVDF	0~100	1.0	1.0

Recommended Torque for Fastening Diaphragm

*Please Check fastening torque of the bolt to set diaphragm before flow test. Please re-fasten the bolt with recommended torque shown in the table below in case it is not enough.

Unit:N·m [kgf·cm]

Size	15~25	32~40	50	65	80	100	125	150~250
EPDM, C-PE	7 [70]	8 [80]	9 [90]	14 [150]	24 [250]	29 [300]	34 [350]	39 [400]
PTFE, PTFE with gas	7 [70]	11 [120]	14 [120]	14 [150]	29 [300]	34 [350]	39 [400]	44 [450]