

JIS

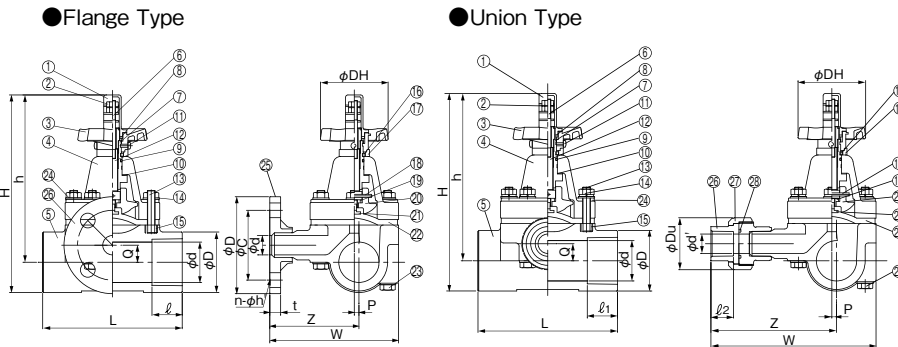
ESLON DEAD SPACE FREE TEE-TYPE DIAPHRAGM VALVE



PAT.No.2968092,2974455

- Uniquely designed compact diaphragm valve with branch flow channel.
- Keep water quality by little obstructed design in flow path.
- Enable optional branch piping and no pressure loss in main pipe.
- Easier pressure control in reverse-turn piping system.

TS Socket Type (Butt Spigot Type)



Conforming Standard

Connection	Standard	Classification
Flange	JIS10K	JIS B 2220
Socket	JIS	JIS K 6743, AS21(65A)

*For flange, dimension of bolt holes conforming the standards

⚠ Important Notes
Fluid containing slurry, solid, sediment, or crystallized fluid might disable sealing.

Usable Liquid Temperature & Maximum Working Pressure

Material	Usable Temperature (°C)	max. Working Pressure at Room Temp.(MPa)	
		EPDM	PTFE
PVC	0~50	0.5	0.5
HT	0~90	0.5	0.5
PVDF	0~120	0.5	0.5

Size

TS Socket × Flange

Size	L	H	h	DH	P	W	Q	Z	TS Socket						Flange (JIS 10K)				Weight (kg/pc)			Q'ty per Carton
									D	l	d	φD	φC	n-φh	t	PVC	HT	PVDF				
20×16	120	147	129	80	1.5	119	8	91	35	25	21	95	70	4-15	14	0.7	0.8	—	4			
25×25	120	178	154	80	3	142	8	100	44	29	25	125	90	4-19	14	1.1	1.2	1.4	1			
50×25	180	260	221	90	6	166	22	115	77	30	52	125	90	4-19	14	2.5	2.8	3.7	1			
65×40	240	313	265	148	6	203	30	140	96	61	67	140	105	4-19	16	3.8	4.3	4.6	1			

*Loose type of flange for PVDF branch. Please refer to the approval drawing.

TS Socket (Butt) × True Union with TS Socket

Size	L	H	h	DH	P	W	Q	Z	TS Socket			True Union Socket			Weight (kg/pc)			Q'ty per Carton
									D	l ₁	d	d'	l ₂	Du	PVC	HT	PVDF	
20×16	120	147	129	80	1.5	142	8	117	35	25	21	16	22.2	49	0.7	0.8	0.6	4
25×25	120	178	154	80	3	187	8	144	44	29	25	25	28.6	67	1.1	1.2	1.1	1
50×25	180	260	221	90	6	210	22	159	77	30	52	25	28.6	67	2.5	2.8	3.6	1
65×40	240	313	265	148	6	257	30	197	96	61	67	40	35	98	3.8	4.3	4.7	1

*H, h, D, L, W and t dimension of PVDF type might differ from the dimension table.

*Due to assembly by welding connection for PVDF type, design and dimension might differ from the approval drawing. Please refer to the approval drawing.

*For special order, please contact us.

Parts List

No.	Part Name	Q'ty	Material
①	Indicator Cover	1	PC
②	Indicator	1	SUS304
③	Handle	1	ABS
④	Bonnet	1	PVC, HT or PVDF
⑤	Body	1	PVC, HT or PVDF
⑥	Indicator Stud Bolt	1	SUS304
⑦	Stem Sleeve	1	C3604
⑧	Stem Packing	1	NBR
⑨	O-ring	1	NBR
⑩	Thrust Washer	1	PTFE
⑪	Lock Pin for 50 and 65A	2	SUS304
⑫	Stem Spindle	1	C3604
⑬	Stud Bolt	—	SUS304
⑭	Nut	—	SUS304
⑮	Insert Nut	—	C3604, SUS304
⑯	Stem Set	1	PP
⑰	Collar	1	PE
⑱	Lock Pin for Compressor	1	SUS304
⑲	Metallic Fixtures for Compressor	1	C3604
⑳	Compressor	1	GF-PP
㉑	Insert Bolt	EPDM 1 PTFE 1	Cr Plated SS SUS304
㉒	Diaphragm	1	EPDM or PTFE
㉓	Bolt	—	SUS304
㉔	Reinforcement Plate for HT & PVDF	1	SUS304
㉕	Flange	1	PVC, HT or PVDF
㉖	TS Socket or Butt Spigot	1	PVC, HT or PVDF
㉗	Union Nut	1	PVC, HT or PVDF
㉘	O-ring	1	EPDM or FKM

*Quantity of ⑬, ⑭, ⑮, and ㉓ bolts & nuts differ depending on size of valve.

*㉔ Reinforcement plate is attached to HT type.