



JIS ISO\*  
※Butt spigot type only



Operating Temperature(°C)

PVC	0 ~ 50
HT	0 ~ 90
PVDF	0 ~ 120



Flange Type

Union Type

# ESLON DEAD SPACE FREE TEE-TYPE DIAPHRAGM VALVE

## Feature

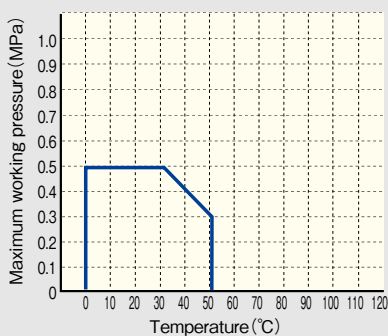
- Uniquely designed compact diaphragm valve with branch flow channel.
- Keep water quality by little obstructed design in flow path.
- Enable optional branch piping and no pressure loss in main pipe.
- Easier pressure control in reverse-turn piping system.

## ⚠ Important Notes

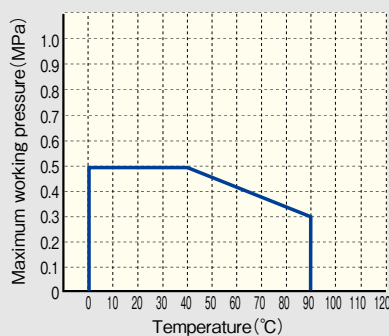
- Fluid containing slurry, solid, sediment, or crystallized fluid might disable sealing.

## Maximum Working Pressure - Temperature Rating

Body material : PVC



Body material : HT



Body material : PVDF

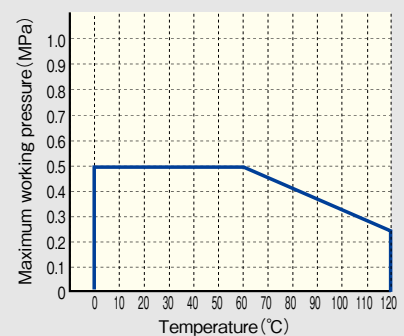
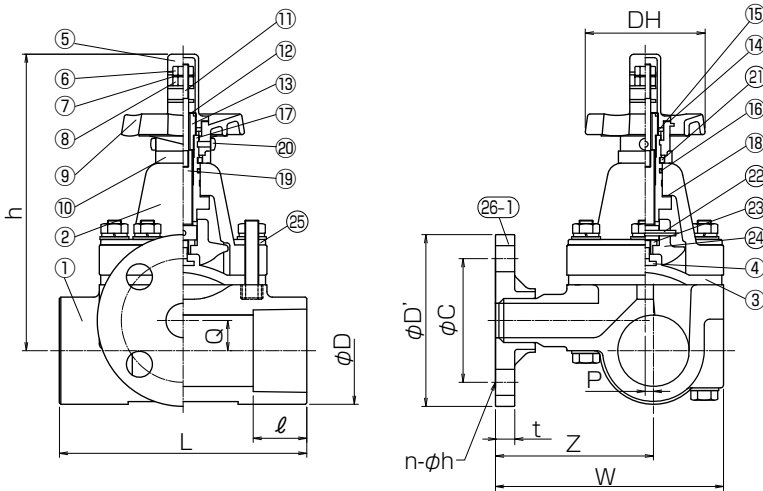
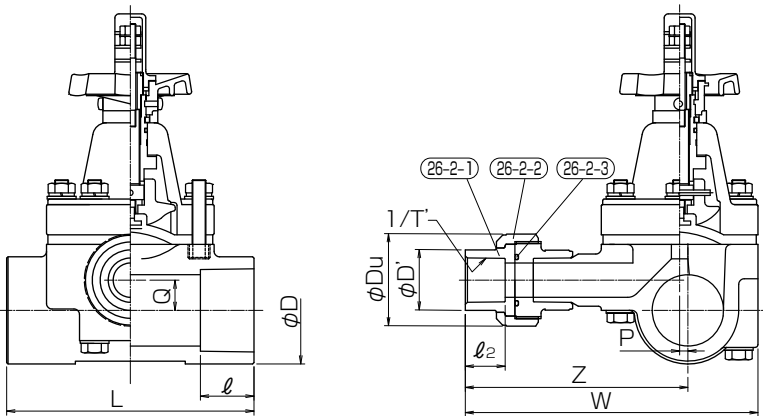


Figure (TS Socket Type)

● Flange Type



● Union Type



Parts List

No.	Part Name	Q'TY	Material
1	Body	1	Body/Bonnet ● PVC/PVC ● HT/HT
2	Bonnet	1	
3	Diaphragm	1	● EPDM (20×16,50×25,65×40) ● PTFE+EPDM
4	Diaphragm Stud Bolt	1	SUS304
5	Indicator Cover	1	PC
6	Lock Nut	1	SUS304
7	Washer	1	SUS304
8	Stopper Nut	1	SUS304
9	Handle	1	ABS
10	Collar	1	PE
11	Indicator Stud Bolt	1	SUS304
12	Stopper Washer	1	POM
13	Sleeve Head	1	C3604
14	Handle Sticker	1	PVC
15	Stem Packing	1	NBR
16	O-Ring	1	NBR
17	Stem Sleeve	1	C3604
18	Thrust Washer	1	PTFE
19	Stem Spindle	1	C3604
20	Retaining Screw	2	SUS304
21	Retaining Ring	1	PP
22	Pin	1	SUS304
23	Connecting Nut	1	C3604
24	Compressor	1	GF-PP
25	Reinforcing Plate*1	1	SUS304
26-1	Flange	1	
26-2-1	TS Socket	1	● PVC ● HT
26-2-2	Union Nut	1	
26-2-3	O-Ring	1	● EPDM ● FKM

\*1 Applied to HT

\*For PVDF parts list, please contact us.

Size

TS Socket × Flange

Unit : mm

Size	L	h	DH	P	W	Q	Z	Flange (JIS 10K)				TS Socket		Weight(kg/Unit)	
								$\phi D'$	$\phi C$	$n-\phi h$	t	$\phi D$	l	PVC	HT
20×16	120	129	80	1.5	119	8	91	95	70	4-15	14	35	25	0.7	0.8
25×25	120	154	80	3	142	8	100	125	90	4-19	14	44	29	1.1	1.2
50×25	180	221	90	6	166	22	115	125	90	4-19	14	77	30	2.5	2.8
65×40	240	265	148	6	203	30	140	140	105	4-19	16	96	61	3.8	4.3

TS Socket × True Union with TS Socket

Unit : mm

Size	L	h	DH	P	W	Q	Z	TS Socket		True Union Socket			Weight(kg/Unit)	
								$\phi D$	l	$\phi D'$	$l_2$	Du	PVC	HT
20×16	120	129	80	1.5	142	8	117	35	25	30	22.2	49	0.7	0.8
25×25	120	154	80	3	187	8	144	44	29	44	28.6	67	1.1	1.2
50×25	180	221	90	6	210	22	159	77	30	44	28.6	67	2.5	2.8
65×40	240	265	148	6	257	30	197	96	61	65	35	98	3.8	4.3

- 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.