

Operating Temperature(°C)

PVC	0 ~ 50
PP	10 ~ 70
PVDF	-30 ~ 100



with pressure gauge

ESLON PRESSURE REGULATION VALVE Type 755

Feature

- Diaphragm type of pressure regulation valve adjusts outlet pressure in high accuracy ($\pm 0.02\text{MPa}$)
- Pressure adjustment range of 0.1-0.9 MPa.
- Reliable pressure relief performance in both horizontal and vertical pipe line.
- Superior corrosion & chemical resistance as all plastic component for contact parts with medium.
- Integrated pressure gauge type available.

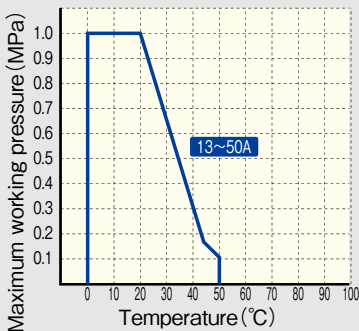
Pressure gauge(Display/Connection thread)
● Standard(SPC/C3604BD)
● Filled with glycerin (SUS304/C3604BD)
● SUS(SPC/SUS304)
● SUS+Glycerin(SUS304/SUS304)

⚠ Important Notes

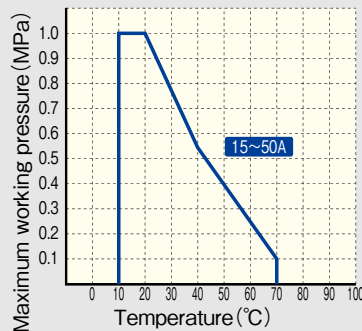
- Fluid containing slurry, solid, sediment, or crystallized fluid might disable sealing.

Maximum Working Pressure - Temperature Rating

Body material : PVC



Body material : PP



Body material : PVDF

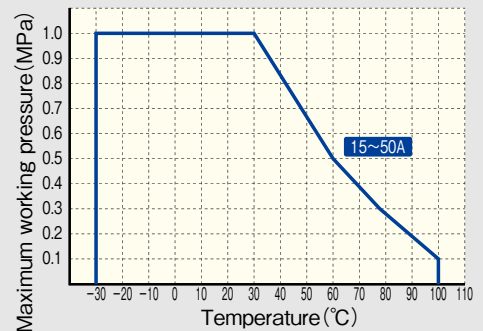
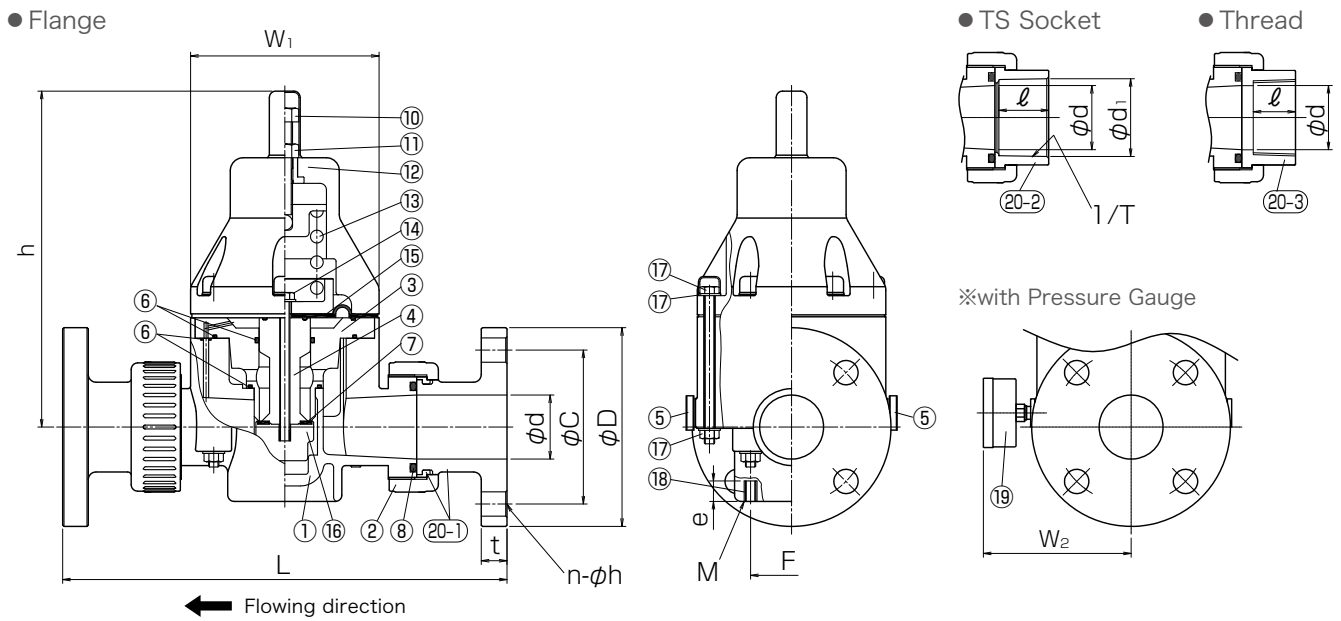


Figure (Flange Type · TS Socket Type · Thread Type)



Parts List

No.	Part Name	Q'TY	Material	No.	Part Name	Q'TY	Material
1	Body	1	● PVC ● PP ● PVDF ● EPDM ● FKM	12	Bonnet	1	GF-PP
2	Union nut	2		13	Adjust spring	1	Spring steel
3	Separate disc	1		14	Hexagonal bolt	1	SUS304
4	Piston	1		15	Diaphragm	1	PTFE + EPDM
5	Plug	2		16	Piston head	1	PVDF
6	O-ring	4		17	Bolt,Nut,Washer	-	SUS304
7	Packing	1		18	Fixing insert nut	2	SUS304
8	Union O-ring	2		19	Pressure gauge	1	-
9	Cover	1		20-1	Flange end,Set ring	2	● PVC ● PP ● PVDF
10	Adjust bolt	1		20-2	TS socket	2	● PVC
11	Lock nut	1		20-3	Threaded	2	● PVC ● PVDF

· For PVDF body type, sealing material is FKM.
· For PVDF body type, butt spigot is available, too. Contact us for more information.

Size

Flange Type

Unit : mm

Size		d	L	H	h	W ₁	W ₂	Fixing Insert Nut		Flange (JIS10K)				Weight(kg/unit)		
A	B							F	M×e	D	φc	n-φh	t	PVC	PP	PVDF
15	1/2	15	224	220	172	81	92	40	M6×16	95	70	4-15	14	1.3	1.0	1.5
20	3/4	20	255	252	202	107	92	46	M6×16	100	75	4-15	14	2.3	1.9	2.6
25	1	26	269	265	202	107	92	46	M6×16	125	90	4-19	14	2.6	2.1	2.8
32	1 1/4	32	323	330	262	147	112	65	M8×16	135	100	4-19	16	5.8	4.7	6.4
40	1 1/2	40	338	332	262	147	112	65	M8×16	140	105	4-19	16	6.0	4.8	6.6
50	2	50	346	340	262	147	112	65	M8×16	155	120	4-19	20	6.4	5.1	7.1

*ANSI,DIN:Please contact us

TS Socket Type · Thread Type

Unit : mm

Size		d	H	h	W ₁	W ₂	Fixing Insert Nut		TS Socket			Thread		Weight(kg/unit)		
A	B						F	M×e	L	JIS		JIS		PVC, PVDF		
										d ₁	1/T	ℓ	L		Rp	ℓ
13	3/8	10	197	172	81	77	40	M6×16	172	18.3	1/31	19	158	Rp1/4	15	0.9
15	1/2	15	197	172	81	92	40	M6×16	174	22.3	1/37	22	161	Rp1/2	17	1.0
20	3/4	20	240	202	107	92	46	M6×16	213	26.3	1/42	25	195	Rp3/4	18	2.0
25	1	26	240	202	107	92	46	M6×16	220	32.3	1/43	29	201	Rp1	18	2.0
32	1 1/4	32	320	262	147	112	65	M8×16	278	38.4	1/37	32	267	Rp1·1/4	23	5.1
40	1 1/2	40	320	262	147	112	65	M8×16	284	48.5	1/38	35	277	Rp1·1/2	23	5.2
50	2	50	320	262	147	112	65	M8×16	293	60.6	1/34	38	292	Rp2	28	5.3

*ASTM,ANSI,DIN:Please contact us

Pressure characteristic at outlet side

The below diagram show the relation of flow rate and pressure at outlet by each set pressure(0.1 / 0.3 / 0.5 / 0.7 / 0.9MPa). Pressure at outlet decrease with increasing flow rate.

