

JIS

ANSI/ASTM

DIN/ISO

ESLON PRESSURE REGULATION VALVE



Type 755

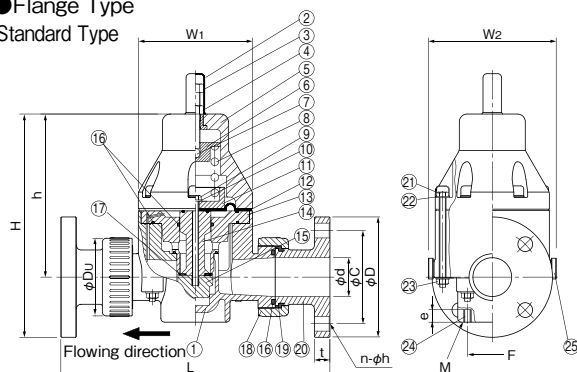
- Diaphragm type of pressure regulation valve adjusts outlet pressure in high accuracy ($\pm 0.02\text{MPa}$)
- Pressure adjustment range of 0.1 - 0.9 MPa.
- Reliable relief performance in both horizontal and vertical direction of pipe line.
- Superior corrosion & chemical resistance as all plastic component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

Pressure gauge(Display/Connection thread)

- Standard (SPC/C3604BD)
- Glycerin enclosure (SUS304/C3604BD)
- SUS (SPC/SUS304)
- SUS+Glycerin (SUS304/SUS304)

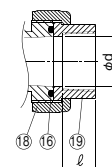
Flange Type · Thread Type · TS Socket Type

- Flange Type
- Standard Type

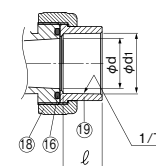


·with Pressure Gauge

- Female Thread Type



- TS Socket Type



Size Flange Type

| Size | | d | L | H | h | W1 | W2 | W3 | Fixation Thread | | Flange (JIS 10K) | | | | Weight (kg/pc) | | | Q'ty per Carton |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----------------|-------|------------------|-----|------|----|----------------|-----|------|-----------------|
| A | B | | | | | | | | F | Mx | D | PCD | n-φ | t | PVC | PP | PVDF | |
| 15 | 1/2 | 15 | 224 | 220 | 172 | 81 | 97 | 124 | 41 | M6x16 | 95 | 70 | 4-15 | 14 | 1.1 | 1.3 | 1.3 | 1 |
| 20 | 3/4 | 20 | 255 | 252 | 202 | 107 | 123 | 150 | 47 | M6x16 | 100 | 75 | 4-15 | 14 | 1.2 | 1.4 | 1.4 | 1 |
| 25 | 1 | 26 | 269 | 265 | 202 | 107 | 123 | 150 | 47 | M6x16 | 125 | 90 | 4-19 | 14 | 2.4 | 2.8 | 2.8 | 1 |
| 32 | 1 1/4 | 32 | 323 | 330 | 262 | 147 | 163 | 190 | 66 | M8x16 | 135 | 100 | 4-19 | 16 | 5.7 | 6.6 | 6.6 | 1 |
| 40 | 1 1/2 | 40 | 338 | 332 | 262 | 147 | 163 | 190 | 66 | M8x16 | 140 | 105 | 4-19 | 16 | 5.9 | 6.8 | 6.8 | 1 |
| 50 | 2 | 50 | 346 | 340 | 262 | 147 | 163 | 190 | 66 | M8x16 | 155 | 120 | 4-19 | 20 | 6.3 | 7.2 | 7.2 | 1 |

Parts List

| No. | Part Name | Q'ty | Material |
|-----|--------------------------|------|-----------------|
| ① | Body | 1 | PVC, PP or PVDF |
| ② | Cover | 1 | PE |
| ③ | Pressure Regulation Bolt | 1 | SUS304 |
| ④ | Lock Nut | 1 | SUS304 |
| ⑤ | Bonnet | 1 | GF-PP |
| ⑥ | Spring Plate | 1 | SS400+Ni plated |
| ⑦ | Slust | 1 | SUS304 |
| ⑧ | Adjust Spring | 1 | Spring Steel |
| ⑨ | Connection Bolt | 1 | SUS304 |
| ⑩ | Washer | 1 | SUS304 |
| ⑪ | Spring Plate | 1 | GF-PP |
| ⑫ | Diaphragm | 1 | PTFE + EPDM |
| ⑬ | Separate Disc | 1 | PVC, PP or PVDF |
| ⑭ | Piston | 1 | PVC, PP or PVDF |
| ⑮ | Piston Guide | 1 | PVDF |
| ⑯ | O-ring | 7 | EPDM or FKM |
| ⑰ | Gasket | 1 | EPDM or FKM |
| ⑱ | Union Nut | 2 | PVC, PP or PVDF |
| ⑲ | Set Ring | 2 | PVDF |
| ⑳ | Socket | 2 | PVC, PP or PVDF |
| ㉑ | Bolt | - | SUS304 |
| ㉒ | Washer | - | SUS304 |
| ㉓ | Nut | - | SUS304 |
| ㉔ | Insert Nut | 2 | SUS304 |
| ㉕ | Plug | - | PVC, PP or PVDF |
| ㉖ | Pressure Gauge | 1 | - |

Thread Type and TS Socket Type

| Size | | d | L | | | H | h | W1 | W2 | W3 | Fixation Thread | | Female Thread | | TS Socket | | Weight (kg/pc) | | Q'ty per Carton | |
|------|-------|----|--------|-----|------|-----|-----|-----|-----|-----|-----------------|-------|---------------|----|-----------|-----------|----------------|-----|-----------------|---|
| A | B | | Thread | TS | Butt | | | | | | F | Mx | Size | ℓ | d1 | 1/T Taper | ℓ | PVC | PVDF | |
| 13 | 3/8 | 10 | 164 | 164 | - | 197 | 172 | 81 | 97 | 124 | 41 | M6x16 | Rc 1/4 | 14 | 18.3 | 1/31 | 19 | 0.8 | 0.8 | 1 |
| 15 | 1/2 | 16 | 172 | 177 | 227 | 197 | 172 | 81 | 97 | 124 | 41 | M6x16 | Rc 1/2 | 16 | 22.3 | 1/37 | 22 | 0.9 | 0.9 | 1 |
| 20 | 3/4 | 20 | 209 | 211 | 263 | 240 | 202 | 107 | 123 | 150 | 47 | M6x16 | Rc 3/4 | 20 | 26.3 | 1/42 | 25 | 1.9 | 1.9 | 1 |
| 25 | 1 | 25 | 218 | 220 | 269 | 240 | 202 | 107 | 123 | 150 | 47 | M6x16 | Rc 1 | 24 | 32.3 | 1/43 | 29 | 1.9 | 1.9 | 1 |
| 32 | 1 1/4 | 32 | 276 | 276 | 330 | 320 | 262 | 147 | 163 | 190 | 66 | M8x16 | Rc 1 1/4 | 28 | 38.4 | 1/37 | 32 | 5.0 | 5.0 | 1 |
| 40 | 1 1/2 | 41 | 281 | 281 | 336 | 320 | 262 | 147 | 163 | 190 | 66 | M8x16 | Rc 1 1/2 | 30 | 48.5 | 1/38 | 35 | 5.1 | 5.1 | 1 |
| 50 | 2 | 52 | 290 | 290 | 342 | 320 | 262 | 147 | 163 | 190 | 66 | M8x16 | Rc 2 | 33 | 60.6 | 1/34 | 38 | 5.2 | 5.2 | 1 |

*Each dimension might differ from the dimension table depending on body material.

Usable Liquid Temperature & Maximum Working Pressure

| Material | Usable Temperature (°C) | max. Working Pressure at Room Temp (MPa) |
|----------|-------------------------|--|
| PVC | 0~ 50 | 1.0 |
| PP | 10~ 70 | 1.0 |
| PVDF | -30~100 | 1.0 |

Important Notes

Do not use for the fluid containing slurry, solid, sediment, or crystallized fluid. Or for those kinds of fluid, strainer should be used in upstream.

*Quantity of ㉑)-㉓): 4 for 15A, 6 for 20A - 50A
*For PVDF body type, sealing material is FKM.