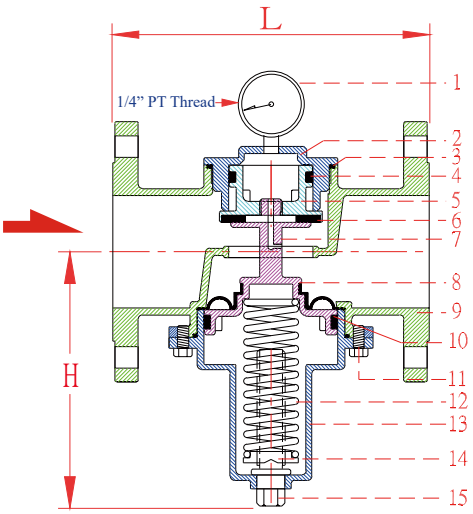
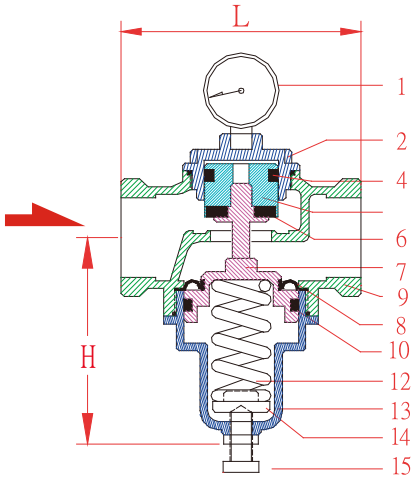
# DIRECT-ACTIVATED PRESSURE REDUCING VALVE
## ( Stainless Steel 316 )

- Valve Body is made by Stainless Steel #316, suitable for fluid, air and steam.
- The gate is balanced-pressure designed, which will not influence the outlet pressure caused by unstable inlet pressure. Pressure needed from fully-closed gate to fully-opened gate：1.5 kgf/cm$^2$.
- When the outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, it responds quickly and adjusts the pressure accurately.
- Design of piston and diaphragm improves the inability of sustaining pressure and leakage.

- Pressure Adjusting Range：1～6 kgf/cm$^2$
  ( 1 kgf/cm$^2$ = 14.2 psi) 4～10 kgf/cm$^2$
  8～13 kgf/cm$^2$
- Applied Temperature：-15～85°C
- Valve Body Testing Pressure：35 kgf/cm$^2$
- Maximum Applied Pressure：25 kgf/cm$^2$

◎Special order can be arranged for higher pressure adjustment range.




| No | Part Name | Material |
|---|---|---|
| 1 | Pressure Gauge | Stainless Steel |
| 2 | Upper Cover | Stainless Steel 316 |
| 3 | O-ring | EPDM |
| 4 | U-ring | EPDM |
| 5 | Piston | Stainless Steel 316 |
| 6 | Sealing Spacer | EPDM |
| 7 | Shaft | Stainless Steel 316 |
| 8 | Diaphragm | EPDM |
| 9 | Main Body | Stainless Steel 316 |
| 10 | UH-ring | EPDM |
| 11 | Fixed Bolt | Stainless Steel 304 |
| 12 | Spring | Spring Steel |
| 13 | Lower Cover | Stainless Steel 316 |
| 14 | Washer | Brass |
| 15 | Adjusting Stem | Stainless Steel 304 |

(Thread End)

| Item No | Size | H(mm) | L(mm) | Weight(kg) | CV |
|---|---|---|---|---|---|
| RET15-S | 1/2" | 75 | 71 | 0.9 | 2.4 |
| RET20-S | 3/4" | 75 | 86 | 1.3 | 4.0 |
| RET25-S | 1" | 81 | 90 | 1.6 | 6.5 |
| RET40-S | 1.5" | 115 | 115 | 2.9 | 13.0 |
| RET50-S | 2" | 115 | 120 | 3.0 | 17.0 |

(PN16 Flange)

| Item No | Size | H(mm) | L(mm) | Weight(kg) | CV |
|---|---|---|---|---|---|
| REF15-S | 1/2" | 75 | 154 | 2.5 | 2.4 |
| REF20-S | 3/4" | 82 | 154 | 3.3 | 4.0 |
| REF25-S | 1" | 82 | 154 | 3.5 | 6.5 |
| REF40-S | 1.5" | 115 | 190 | 5.5 | 13.0 |
| REF50-S | 2" | 115 | 196 | 7.5 | 17.0 |
| REF65-S | 2.5" | 185 | 210 | 14.5 | 30.0 |
| REF80-S | 3" | 185 | 229 | 15.5 | 42.0 |
| REF100-S | 4" | 230 | 254 | 21.5 | 75.0 |
| REF150-S | 6" | 290 | 310 | 45.0 | 170.0 |