



DIRECT-ACTIVATED PRESSURE REDUCING VALVE (Cast Iron/Flange Type)



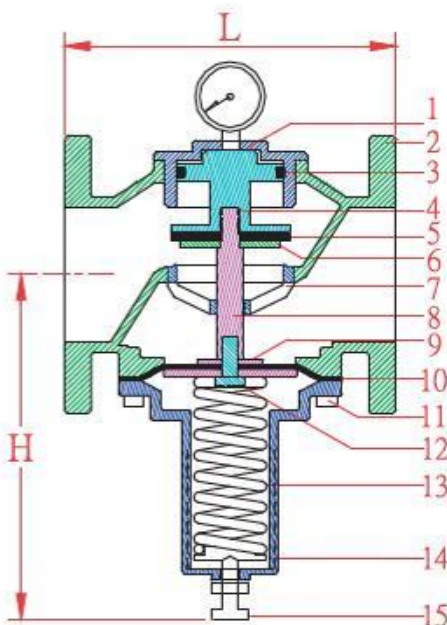
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- ▶ The gate is designed for opening status, which will not influence the water supply function under unstable inlet pressure condition.
- ▶ When the outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, it responds quickly and adjusts the pressure accurately.

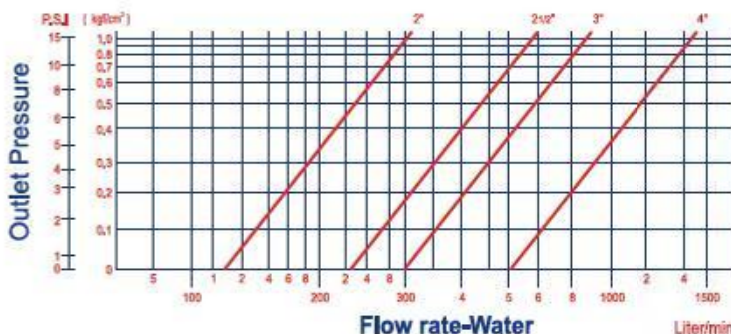
- ▶ Pressure Adjusting Range : 1 ~ 5 kgf/cm²
3 ~ 8 kgf/cm²
- ▶ Valve Body Testing Pressure : 21 kgf/cm²
- ▶ Maximum Applied Pressure : 16 kgf/cm²
(1 kgf/cm²=14.2 psi)
- ▶ Applied Temperature : -15 ~ 80°C

- ◎Special order is needed for other material and specification.
- ◎Pressure gauge shows outlet pressure.



| No | Part Name | Material | No | Part Name | Material |
|----|------------------------|--------------------|----|----------------|-----------------|
| 1 | Upper Cover | Bronze | 11 | Fixed Bolt | Stainless Steel |
| 2 | Main Body | Cast Iron | 12 | Fixed Bolt | Stainless Steel |
| 3 | U-ring | NBR | 13 | Spring | Spring Steel |
| 4 | Piston | Bronze | 14 | Lower Cover | Cast Iron |
| 5 | Sealing Spacer | NBR | 15 | Adjusting Stem | Stainless Steel |
| 6 | Diaphragm Washer | Brass | | | |
| 7 | Shaft Guiding Seat | Bronze | | | |
| 8 | Center Shaft | Brass | | | |
| 9 | Diaphragm Fixed Washer | Electroplated Iron | | | |
| 10 | Diaphragm | NBR | | | |

Flow Chart of Direct-activated Pressure Reducing Valve



| Item No | Size | H(mm) | L(mm) | Weight(kg) | CV |
|----------|------|-------|-------|------------|----|
| RET50-F | 2" | 150 | 190 | 12 | 21 |
| RET65-F | 2.5" | 165 | 210 | 17 | 38 |
| RET80-F | 3" | 200 | 225 | 19 | 55 |
| RET100-F | 4" | 220 | 250 | 24 | 95 |