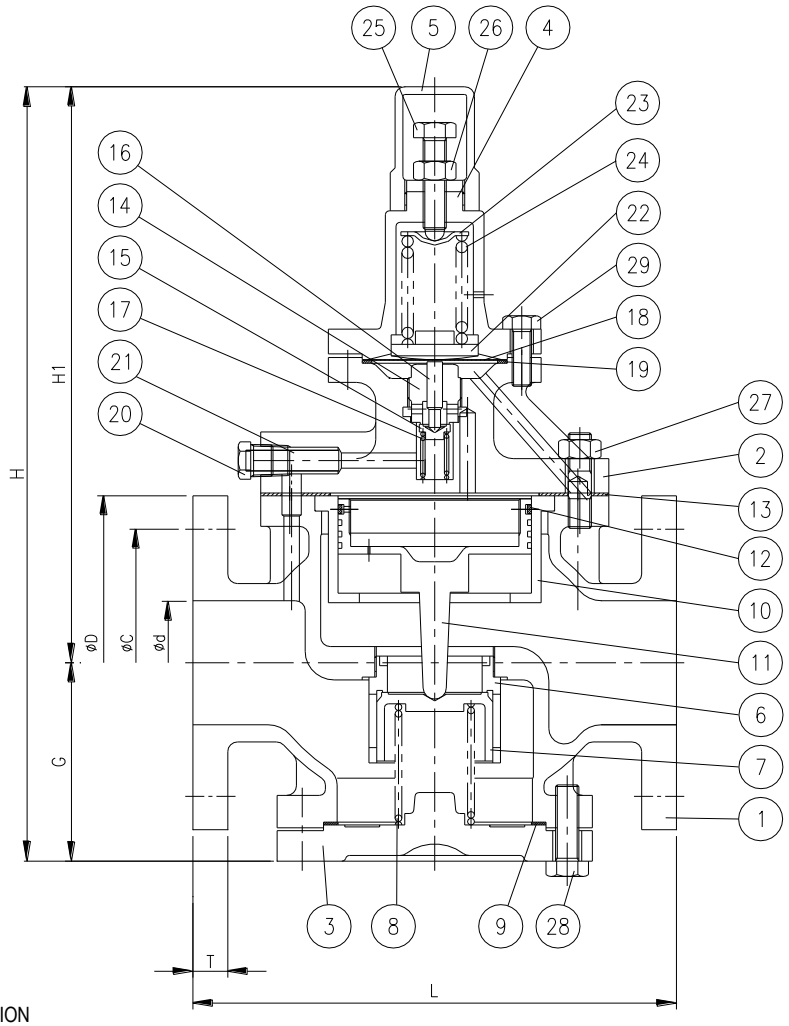
| NO | REVISION | DATE | CHK | APP |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

**SPECIFICATION**

1. APPLICABLE FLUIDS : STEAM
2. SERVICE SYSTEM : -
3. DESIGN TEMPERATURE : 220 ℃
4. DESIGN PRESSURE : 10.0 kgf/㎠g
5. SETTING PRESSURE RANGE : 0.5 to 8.0 kgf/㎠g
6. HYDRO. TEST PRESSURE : DESIGN PRESSURE X 1.5




* BOLT/NUT Q'TY

| NO. | VALVE SIZE | Q'TY |
|---|---|---|
| 28 | 50A | 4 |
| | 65A | 4 |
| | 80A-100A | 6 |
| 27 | 50A | 4 |
| | 65A | 6 |
| | 80A | 6 |
| | 100A | 8 |

| NO | PART NAME | MATERIAL | Q'TY | REMARK |
|---|---|---|---|---|
| 29 | HEX BOLT | SS 400 | 4 | |
| 28 | HEX BOLT | SS 400 | - | |
| 27 | STUD BOLT/HEX NUT | SS 400 | - | |
| 26 | ADJUST NUT | SS 400 | 1 | |
| 25 | ADJUST SCREW | SS 400 | 1 | |
| 24 | SPRING | SWP-A | 1 | |
| 23 | SPRING SEAT(UPP) | SS 400 | 1 | |
| 22 | SPRING SEAT(LOW) | SS 400 | 1 | |
| 21 | SCREEN | SUS 304 | 1 | |
| 20 | PLUG | C 3771 | 1 | |
| 19 | GASKET | NON-ASBESTOS | 1 | |
| 18 | DIAPHRAGM | SUS 304 | 1 | |
| 17 | PILOT SPRING | SUS 304 | 1 | |
| 16 | PILOT STEM | SUS 304 | 1 | |
| 15 | PILOT DISC | SUS 304 | 1 | |
| 14 | PILOT SEAT | SUS 304 | 1 | |
| 13 | GASKET | GRAPHITE | 1 | |
| 12 | PISTON RING | PTFE(Cu) | 1 | |
| 11 | PISTON | FCD 450 | 1 | |
| 10 | CYLINDER | SCS 13 | 1 | |
| 9 | GASKET | GRAPHITE | 1 | |
| 8 | MAIN SPRING | SUS 304 | 1 | |
| 7 | MAIN DISC | SCS 13 | 1 | |
| 6 | MAIN SEAT | SCS 13 | 1 | |
| 5 | CAP | FC 200 | 1 | |
| 4 | SPRING CASE | FC 200 | 1 | |
| 3 | BOTTOM COVER | FCD 450 | 1 | |
| 2 | TOP COVER | FCD 450 | 1 | |
| 1 | BODY | FCD 450 | 1 | |

* DIMENSION

Unit : mm

| SIZE | d | L | H | G | H1 | FLANGE JIS B 2220 10K / FACE : FF | | | | | | CV VALUE | W'T ( kg ) | Q'ty ( EA ) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ØD | Øg | ØC | T | f | N - H | | | |
| 50A | 50.0 | 220.0 | 384.0 | 87.5 | 296.5 | 155.0 | - | 120.0 | 16.0 | - | 4-19 | 16.0 | 20.0 | - |
| 65A | 65.0 | 250.0 | 406.0 | 104.0 | 302.0 | 175.0 | - | 140.0 | 18.0 | - | 4-19 | 25.0 | 30.0 | - |
| 80A | 80.0 | 290.0 | 433.0 | 114.5 | 318.5 | 185.0 | - | 150.0 | 18.0 | - | 8-19 | 36.0 | 39.0 | - |
| 100A | 100.0 | 320.0 | 464.0 | 129.5 | 334.5 | 210.0 | - | 175.0 | 18.0 | - | 8-19 | 64.0 | 64.5 | - |
| 125A | 125.0 | 390.0 | 672.9 | 172.5 | 500.4 | 250.0 | - | 210.0 | 20.0 | - | 8-23 | 100.0 | 103.0 | - |
| 150A | 150.0 | 420.0 | 707.9 | 187.5 | 520.4 | 280.0 | - | 240.0 | 22.0 | - | 8-23 | 144.0 | 134.0 | - |
| 200A | 200.0 | 550.0 | 831.9 | 241.5 | 590.4 | 330.0 | - | 290.0 | 26.0 | - | 12-23 | 256.0 | 245.0 | - |
| 250A | 250.0 | 650.0 | 951.9 | 266.5 | 685.4 | 400.0 | - | 355.0 | 24.0 | - | 12-25 | - | - | - |

| TITLE | PRESSURE REDUCING VALVE FOR STEAM | MODEL NO. | PIR-1F |
|---|---|---|---|
| DES | M.S.CHOI | CHE | Y.S.SEO |
| APP | S.M.JANG | DATE | 2022-04-13 |
| SCALE | N / S | DRAWING NO | YNV 2 2 1 1 0 0 - J B 0 0 |
| REV | 0 | | |

YNV CO.,LTD

UNIT ( INCH · MM )