

CAST STEEL

RELIEF VALVE

SMOOTH FLOW AT VARIOUS PRESSURES

DESCRIPTION :

'WJ' Cast Steel Spring Loaded Relief Valve Flange Ends to BS-4504 Part-I Table 40/1/DIN 2545 PN-40 Raised Face with 13% Cr. S.S. (AISI-410) Trim. Max. Set Pressure of 10.54 Kg/Cm²g. Body Tested to 60 Kg/Cm²g. Hydraulic Pressure.

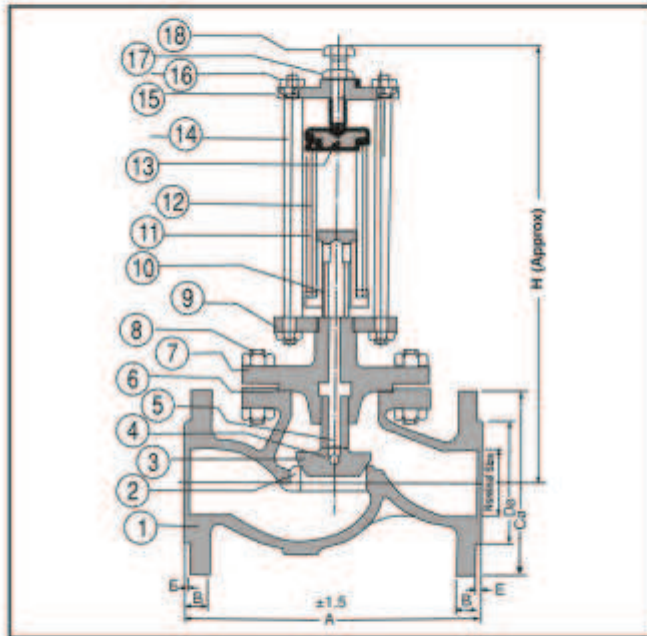
These relief valves are suitable for hot oil.

SALIENT FEATURES :

1. Stream lined full flow area is provided in the body to minimise pressure drop.
2. Renewable 13% Cr. S.S. (AISI-410) Body Seat Ring and Disc. have at least 50 HB difference in hardness.

These Relief Valves are supplied with our own Works Test Certificate.





| DIMENSIONS | | | | | | |
|-----------------|-----|----|-----|-----|---|-----|
| Nominal Size DN | A | B | C | D | E | H |
| DN 40 (1½") | 200 | 18 | 150 | 88 | 3 | 300 |
| DN 50 (2") | 230 | 20 | 165 | 102 | 3 | 310 |
| DN 65 (2½") | 290 | 22 | 185 | 122 | 3 | 440 |
| DN 80 (3") | 310 | 24 | 200 | 138 | 3 | 460 |
| DN 100 (4") | 350 | 24 | 235 | 162 | 3 | 500 |

| MATERIALS | | | |
|-----------|-----------------|-----------------|------------------------------|
| PART No. | NAME OF PART | MATERIAL | SPECIFICATION |
| 1. | Body | Cast Steel | ASTM A216 Gr. WCB |
| 2. | Body Seat Ring | S.S. 13% Cr. | AISI-410 |
| 3. | Valve Disc | S.S./Cast S.S. | AISI-410/ASTM A351 CF8 |
| 4. | Ball | S.S. | AISI-304 |
| 5. | Stem | S.S. 13% Cr. | AISI-410 |
| 6. | Gasket | S.S. (AISI-304) | Spiral wound Asbestos Filled |
| 7. | Cover | Cast Steel | ASTM A216 Gr. WCB |
| 8. | Studs & Nuts | Carbon Steel | ---- |
| 9. | Bottom Plate | M.S. | ---- |
| 10. | O-Ring | Silicon Rubber | ---- |
| 11. | Sleeve | S.S. 13% Cr. | AISI-410 |
| 12. | Spring | Spring Steel | ---- |
| 13. | Spring Disc | M.S. | ---- |
| 14. | Pillar | M.S. | ---- |
| 15. | Top Plate | M.S. | ---- |
| 16. | Nuts | Carbon Steel | ---- |
| 17. | Lock Nut | Carbon Steel | ---- |
| 18. | Adjusting Screw | Carbon Steel | ---- |