

MODEL: 317

SV-B27 / SVP-B27 WITHOUT LEVER

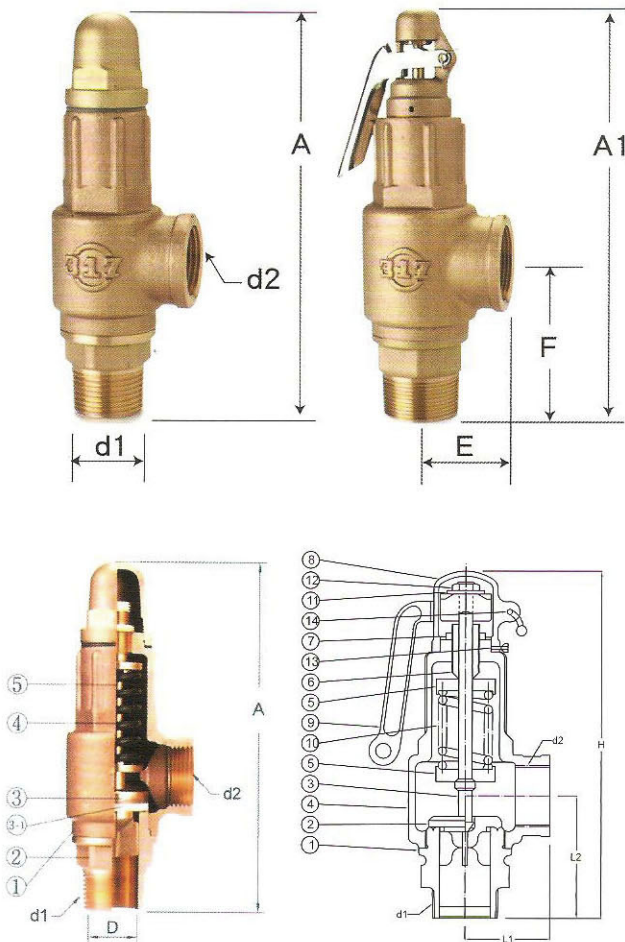
SV-B29 / SVP-B29 WITH LEVER

SV-B27/SV-B29 optional Pressure: 10.5~20 kgf/cm²

When placing order, please indicate **Working Pressure**

The Disc can be replaced with PTFE for good effect of anti-leakage. (Model: SVP-B27, SVP-B29)

| | |
|-------------------------|--|
| Working Fluid | SV-B27/SV-B29/SVP-B29 Non-Corrosive Gas, Air, Steam. SVP-B27 (without lever) Non-Corrosive Gas, Liquid, Air, Steam, Water, Oil. |
| Working Temp. | -45°C ~ 185°C |
| Working Pressure | SV-B27 / SV-B29 0.3 ~ 10 kgf/cm ² , 11 ~ 20 kgf/cm ² SVP-B27 / SVP-B29 (PTFE) 3 ~ 10 kgf/cm ² |
| Thread End | BSPT (BS21), NPT (ANSI B2.1) |



Material

| No. / Part | W/O Lever | SV-B27(S3W-A) | SVP-B27 |
|------------|-----------------------------|----------------|-------------|
| | With Lever | SV-B29(S3W-LR) | SVP-B29 |
| | Type | METAL TO METAL | PTFE |
| 1 | Valve Seat | FORGE BRASS | FORGE BRASS |
| 2 | Valve Disc | FORGE BRASS | FORGE BRASS |
| 3 | Valve Spindle (Stem) | FORGE BRASS | FORGE BRASS |
| 3-1 | Valve Seal | — | PTFE |
| 4 | Valve Body | BRONZE | BRONZE |
| 5 | Spring Shoe | BsBM | BsBM |
| 6 | Adjusting Screw | BsBM | BsBM |
| 7 | Stop Nut | BsBM | BsBM |
| 8 | Cap | FORGE BRASS | FORGE BRASS |
| 9 | Lever (Type B29) | STEEL | STEEL |
| 10 | Spring | SWOSC-V | SWOSC-V |
| 11 | Screw Washer | BsBM | BsBM |
| 12 | Hexagon Nut | BsBM | BsBM |
| 13 | Stop Bolt | BsBM | BsBM |
| 14 | Pin | BsBF | BsBF |

This type of safety valve is characterized by regulating of pressure in valve rising and blowing-out when actuated and is the smallest and lightest valve, and also can be used in non-corrosive gases (air, oxygen, nitrogen, etc.) steam and liquids, such as water and oil. The sizes shown in the chart are subject to change without notice.

| Nominal Diameter | Valve Seat Diameter D | Lift ℓ | Effective Area mm ² | | | L1 E | L2 F | Fitting Screw | | Close Type | | Lever Type | |
|------------------|-----------------------|--------|--------------------------------|--------|---------------------|------|------|---------------|-----------|-----------------|------|------------------|------|
| | | | 2.22DI | π DI | 0.785D ² | | | Inlet d1 | Outlet d2 | A ^{mm} | Wt. | A1 ^{mm} | Wt. |
| 12 | 12 | 0.52 | 13.32 | 18.84 | 113.0 | 29 | 50 | PT 1/2 | PF 1/2 | 138 | 0.52 | 161 | 0.59 |
| 19 | 19 | 0.76 | 32.05 | 45.36 | 283.3 | 36 | 58 | PT 3/4 | PF 3/4 | 150 | 0.66 | 172 | 0.74 |
| 25 | 25 | 1.00 | 55.50 | 78.53 | 490.6 | 40 | 70 | PT 1 | PF 1 | 180 | 1.09 | 202 | 1.19 |
| 32 | 32 | 1.28 | 90.93 | 128.67 | 803.8 | 50 | 82 | PT 1.1/4 | PF 1.1/4 | 206 | 1.90 | 222 | 1.94 |
| 38 | 38 | 1.52 | 128.22 | 181.45 | 1133.5 | 54 | 93 | PT 1.1/2 | PF 1.1/2 | 231 | 2.35 | 246 | 2.39 |
| 50 | 50 | 2.00 | 222.00 | 314.15 | 1962.5 | 67 | 102 | PT 2 | PF 2 | 265 | 3.85 | 282 | 4.11 |