



GOE-652D
Bronze
Side Discharge
Safety Relief Valve
With Diaphragm
For Liquids
BSPP Female Threaded



The GOE-652D is fitted with a diaphragm to prevent the media from entering the spring chamber thus making it suitable for the protection of pumps, closed cooling circuits and pressure tanks and systems for water and neutral liquids.

Available for use with oil upon request.

Features, Benefits & Approvals

- TÜV test approval: 293
- DIN EN ISO 4126-1
- Side discharge
- Twist type lifting mechanism
- Set, tested and certified prior to despatch

Pressure & Temperature

Pressure range:-

1 to 16 bar

Temperature range:-

EPDM Disc (standard): -50°C to 150°C
Glycol resistance up to 100%

NBR Disc : -30°C to 130°C
Glycol resistance up to 30%

| DN (E) | 15 (1/2") | 20 (3/4") | 25 (1") | 32 (1 1/4") | 40 (1 1/2") | 50 (2") |
|------------------|-----------|-----------|---------|-------------|-------------|---------|
| A | 70 | 70 | 80 | 100 | 140 | 155 |
| B | 17 | 18 | 22 | 25 | 28 | 34 |
| C | 26 | 31 | 35 | 40 | 46 | 54 |
| D | 10 | 13 | 16 | 18 | 22 | 25 |
| Weight Kg | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.6 |

Materials

| | |
|-----------------------|--|
| Body | Bronze |
| Internal Parts | Brass |
| Spring | Spring Steel with anti-rust protection |
| Disc | EPDM (standard) • NBR |

WATER CAPACITY - 10% OVERPRESSURE (BS EN 4126-1) m³/h

| Set Pressure (Bar) | DN15 | DN20 | DN25 | DN32 | DN40 | DN50 |
|--------------------|------|------|-------|-------|-------|-------|
| 1.0 | 1.51 | 2.55 | 3.87 | 4.89 | 7.31 | 9.44 |
| 1.5 | 1.85 | 3.13 | 4.73 | 5.99 | 8.95 | 11.56 |
| 2.0 | 2.14 | 3.61 | 5.47 | 6.92 | 10.33 | 13.35 |
| 2.5 | 2.39 | 4.03 | 6.11 | 7.73 | 11.55 | 14.92 |
| 3.0 | 2.62 | 4.42 | 6.69 | 8.47 | 12.66 | 16.34 |
| 4.0 | 3.02 | 5.10 | 7.73 | 9.78 | 14.62 | 18.87 |
| 5.0 | 3.38 | 5.71 | 8.64 | 10.94 | 16.34 | 21.10 |
| 8.0 | 4.27 | 7.22 | 10.93 | 13.84 | 20.67 | 26.69 |
| 10.0 | 4.77 | 8.07 | 12.22 | 15.47 | 23.11 | 29.84 |
| 12.0 | 2.91 | 7.12 | 13.39 | 15.06 | 24.61 | 32.69 |
| 14.0 | 3.14 | 7.69 | 14.46 | 16.27 | 26.58 | 35.31 |
| 16.0 | 3.36 | 8.22 | 15.46 | 17.39 | 28.42 | 37.75 |