

BSV-2EN

■ Features

1. Non-rising handwheel: Free from foreign substance trouble because most threaded surface is covered.
2. No leakage by two-stage sealing of double bellows and gland packing.
3. Gland packing does not need retightening nor applying pressure on spindle, thus handwheel can be turned with small torque without interference from the spindle.
4. Maintenance-free: No need to replace or retighten gland packing.

■ Specifications

| Model | BSV-2EN | |
|------------------|---|----------------------------|
| Application | Steam, Air, Cold and hot water, Oil, Other non-dangerous fluids | |
| Nominal size | 15A-200A *1 | |
| Max. pressure | 1.6 MPa *2 | 2.5 MPa *2 |
| Max. temperature | 300°C *2 | 350°C *2 |
| Material | Body | Ductile Cast Iron *3 |
| | Bonnet | Ductile Cast Iron |
| | Valve | Stainless steel |
| | Valve seat | Stainless steel |
| | Bellows | Stainless steel (SUS316Ti) |
| Connection | EN 1092-2 PN16 | EN 1092-2 PN25 |

*1 If 250A is needed, please contact us (for cast iron body only).

*2 According to PT rating.

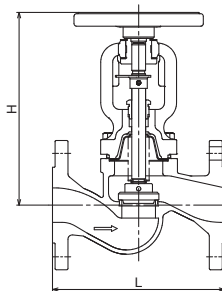
*3 For the size above 100A, the material will be cast iron body only.

■ Dimensions (mm) and Weights (kg)

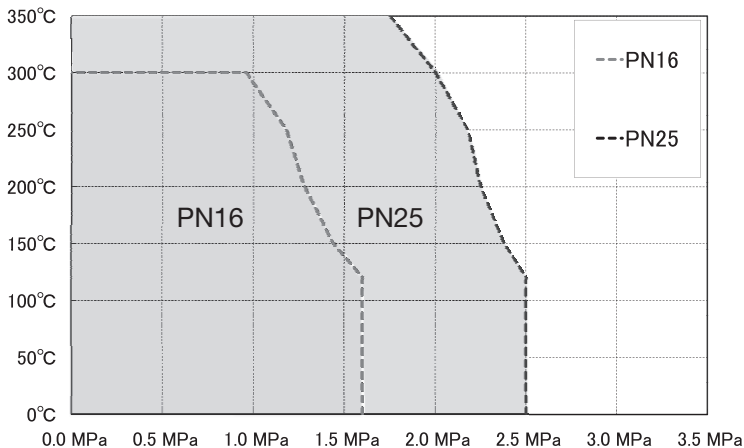
| Nominal size | L | H | Weight |
|--------------|-----------|---------------|-------------|
| 15A | 130 (130) | 184 (184) | 3.2 (4.0) |
| 20A | 150 (150) | 184 (184) | 3.9 (4.5) |
| 25A | 160 (160) | 188.5 (188.5) | 4.6 (5.5) |
| 32A | 180 (180) | 193 (193) | 6.5 (8.0) |
| 40A | 200 (200) | 235.5 (235.5) | 9.0 (11.5) |
| 50A | 230 (230) | 235.5 (235.5) | 11.0 (14.0) |
| 65A | 290 (290) | 252.5 (252.5) | 15.8 (18.0) |
| 80A | 310 (310) | 272.5 (272.5) | 20.5 (22.0) |
| 100A | 350 (350) | 348 (348) | 35.0 (35.0) |
| 125A | 400 | 388 | 49.0 |
| 150A | 480 | 448 | 76.0 |
| 200A | 600 | 575 | 130.5 |

· Face-to-face dimension: EN 558-1 series 1.

· The number in parenthesis are for PN25.



■ Pressure and Temperature Rating



- This chart shows PT rating of PN16 for cast iron flanges and of PN25 for ductile cast iron flanges according to EN 1092-2.
- BSV-2EN PN16 flanged can be used in orange region. BSV-2EN PN25 flanged can be used in orange and green regions.
- If detailed values of maximum fluid temperature and maximum pressure are needed, please see the following table:

| Acc to EN 1092-2 | | Temperature [°C] | | | | | |
|-------------------|----|------------------|----------|----------|----------|----------|----------|
| Material | PN | -10 up to 120 | 150 | 200 | 250 | 300 | 350 |
| Cast iron | 16 | 1.60 MPa | 1.44 MPa | 1.28 MPa | 1.12 MPa | 0.96 MPa | - |
| Ductile cast iron | 25 | 2.50 MPa | 2.43 MPa | 2.30 MPa | 2.18 MPa | 2.00 MPa | 1.75 MPa |