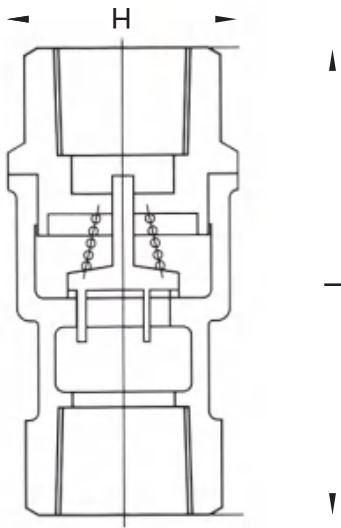


## CLASS 150

### Bronze Vertical Lift Check Valve (Threaded)

Fig.5407



#### Specification

MSS SP-80  
Vertical Lift In-Line Type  
Metal Disc NBR Seat  
Threaded to BS 21 (ISO7) / ASME B1.20.1  
Size Range: 15mm(1/2")~50mm(2")

#### Pressure Ratings

|                  |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
| Working Pressure | 300 psi (20.7 bar) WOG Non-Shock<br>150 psi (10.3 bar) Saturated Steam                             |
| Testing Pressure | Shell: 450 psi (31 bar) Hydrostatic<br>Seat: 330 psi (22.7bar) Hydrostatic<br>80 psi (5.5 bar) Air |
| Suitable Media   | Water, Oil, Gas                                                                                    |

#### Material List

| Part Name | Material            | ASTM       | BS EN       |
|-----------|---------------------|------------|-------------|
| Body      | Bronze (Gunmetal)   | B62 C83600 | 1982 CC491K |
| Cap       | Bronze (Gunmetal)   | B62 C83600 | 1982 CC491K |
| Disc      | Bronze (Gunmetal)   | B62 C83600 | 1982 CC491K |
| Spring    | Stainless Steel 304 | A313 304   | 3111 304S31 |
| Seat      | NBR                 |            |             |

#### Dimension

| Size | mm   | 15   | 20  | 25   | 32    | 40    | 50 |
|------|------|------|-----|------|-------|-------|----|
|      | Inch | 1/2  | 3/4 | 1    | 1-1/4 | 1-1/2 | 2  |
| L    |      | 46   | 52  | 56   | 68.5  | 70    | 81 |
| H    |      | 33.5 | 41  | 45.5 | 56    | 63.5  | 81 |

## CLASS 125

### Brass Vertical Lift Check Valve

Fig.5410

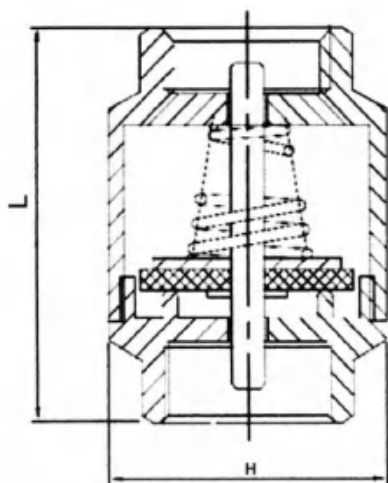


#### Specification

Vertical Lift In-Line Type  
Metal Disc NBR Seat  
Threaded to BS 21 (ISO7) / ASME B1.20.1  
Size Range: 15mm(1/2")~50mm(2")

#### Pressure Ratings

|                  |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
| Working Pressure | 232 psi (16 bar) WOG Non-Shock<br>100 psi (7 bar) Saturated Steam                                  |
| Testing Pressure | Shell: 348 psi (24bar) Hydrostatic<br>Seat: 255 psi (17.6 bar) Hydrostatic<br>80 psi (5.5 bar) Air |
| Suitable Media   | Water, Oil, Gas.                                                                                   |



#### Material List

| Part Name | Material       | ASTM        | BS EN        |
|-----------|----------------|-------------|--------------|
| Body      | Brass          | B124 C37700 | 12165 CW617N |
| Bonnet    | Brass          | B124 C37700 | 12165 CW617N |
| Disc      | Brass          | B124 C37700 | 12165 CW617N |
| Stem      | Brass          | B124 C37700 | 12165 CW617N |
| Rubber    | Nitrile Rubber |             |              |
| Spring    | SS 304         | A313 304    | 3111 304S31  |

#### Dimension

| Size | mm   | 15  | 20  | 25   | 32    | 40    | 50 |
|------|------|-----|-----|------|-------|-------|----|
|      | Inch | 1/2 | 3/4 | 1    | 1-1/4 | 1-1/2 | 2  |
| L    |      | 48  | 52  | 56   | 68.5  | 70    | 81 |
| H    |      | 33  | 41  | 45.5 | 56    | 63.5  | 81 |