

## High pressure needle valve, Artikel 69-MS

diameter G 1/8" up to G 2"

High pressure needle valve with adjustable gland packing for accurate dosing and regulation of even the smallest flowrates. Usage in industrial systems, in which flowing liquids or gaseous media have been shut off. This can also be done under high pressure. The direction is indicated by an arrow.

Please observe the pressure reduction from temperatures over +50 °C.

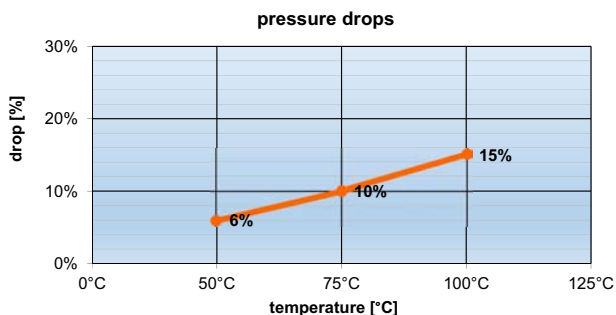
☞ **Both sides cylindric female thread acc. to EN 228-1 (DIN 259)**



|  |         |                |
|--|---------|----------------|
|  | ambient | -20°C .. +60°C |
|  | medium  | 0°C .. +100°C  |

Before risk of frost empty the valve and ensure that the valve is depressurized. Freezing of the fluid may seriously damage the valve.

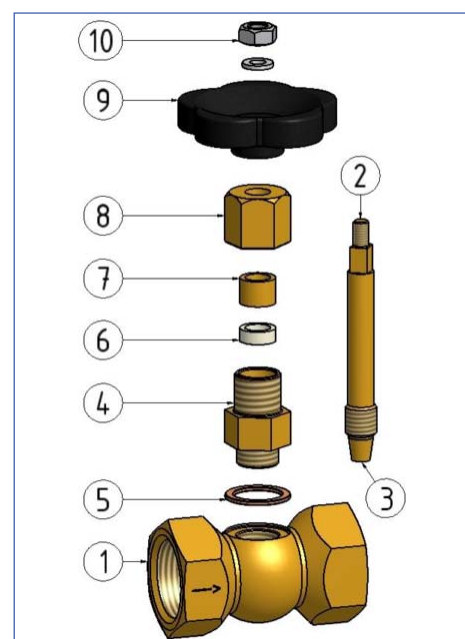
### diagram pressure drops



| temperature | pressure drop % | max. pressure article 69-MS |
|-------------|-----------------|-----------------------------|
| 50° C       | 6%              | 94,0 bar                    |
| 100° C      | 15%             | 85,0 bar                    |

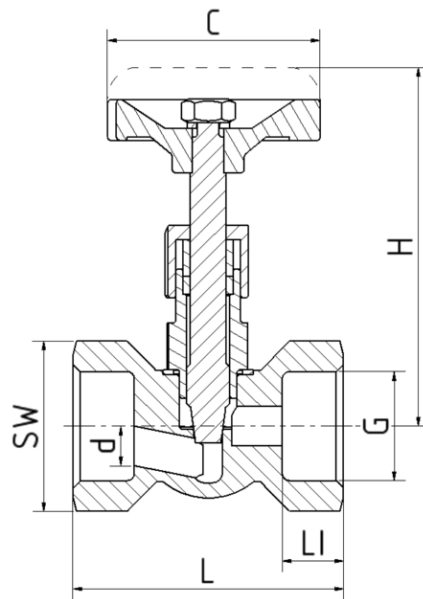
### Article 69-MS

| Pos. | description     | material   |
|------|-----------------|--|
| 1    | body            | brass CW 617 N   |
| 2    | stem            | brass CW 617 N   |
| 3    | regulating disc | brass CW 617 N   |
| 4    | head piece      | brass  |
| 5    | sealing ring    | brass  |
| 6    | gland           | brass  |
| 7    | gland packing   | NBR (adjustable)   |
| 8    | union nut       | brass  |
| 9    | hand wheel      | G 1/8" - G 3/4" pressed plastic<br>G 1" - G 2" pressed steel |
| 10   | hand wheel nut  |  |



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|          | article number            | L<br>(mm) | H<br>(mm) | LI<br>(mm) | SW<br>(mm) | C<br>(mm) | d<br>(mm) | pressure<br>rating<br>(bar) | Kv-value<br>[m <sup>3</sup> /h] | weight<br>(kg) |
|----------|---------------------------|-----------|-----------|------------|------------|-----------|-----------|-----------------------------|---------------------------------|----------------|
| diameter | <b>69-MS<br/>CW 617 N</b> |           |           |            |            |           |           |                             |                                 |                |
| G 1/8"   | 06.1301.0.60              | 50        | 78        | 13         | 22         | 50        | 4         | 100                         | 0,24                            | 0,26           |
| G 1/4"   | 06.1301.0.61              | 50        | 78        | 10         | 22         | 50        | 5         | 100                         | 0,48                            | 0,25           |
| G 3/8"   | 06.1301.0.62              | 50        | 78        | 10         | 22         | 50        | 6         | 100                         | 0,60                            | 0,24           |
| G 1/2"   | 06.1301.0.63              | 55        | 78        | 12         | 25         | 63        | 6,5       | 100                         | 0,65                            | 0,26           |
| G 3/4"   | 06.1301.0.65              | 67        | 90        | 14         | 32         | 63        | 9         | 100                         | 1,00                            | 0,50           |
| G 1"     | 06.1301.0.67              | 75        | 93        | 17         | 41         | 63        | 11        | 100                         | 1,60                            | 0,65           |
| G 1 1/4" | 06.1301.0.68              | 110       | 118       | 20         | 55         | 90        | 13        | 100                         | 3,00                            | 1,90           |
| G 1 1/2" | 06.1301.0.69              | 110       | 118       | 20         | 60         | 90        | 15        | 100                         | 3,00                            | 1,20           |
| G 2"     | 06.1301.0.71              | 112       | 120       | 21         | 70         | 90        | 15        | 100                         | 3,30                            | 1,50           |