

## Threaded globe valve TYPE AV10



### Description:

Globe valves are used for the controlled opening and closing of a pipe system.

### Product features:

- Suitable for **liquid and gaseous media**
- **Not** suitable for **steam**
- Rising stem & handwheel
- Observe flow direction (see arrow)

### Connection:

1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"  
inches

### Temperature:

-10°C to 110°C

### Pressure:

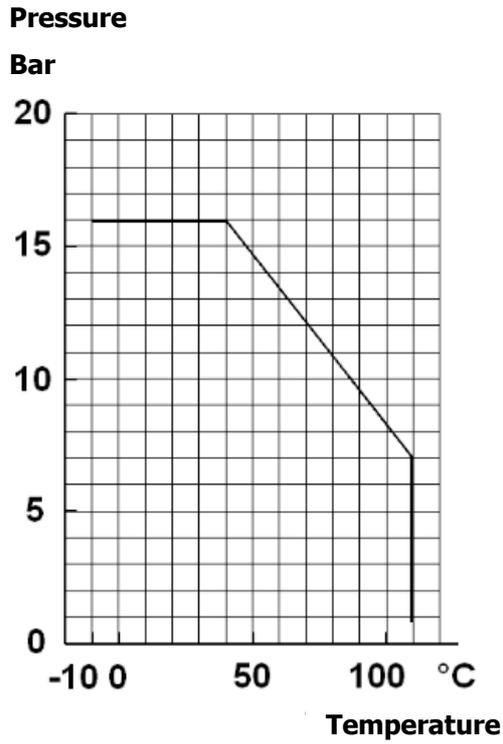
max. up to 16.0 bar

<b>Body material:</b>	Bronze ASTM B62
<b>Stem material:</b>	Brass CW614N
<b>Stem:</b>	Rising
<b>Disc material:</b>	Brass CW614N
<b>Packing material:</b>	PTFE
<b>Handwheel material:</b>	Aluminum
<b>Handwheel:</b>	Rising
<b>Nominal pressure</b>	PN16
<b>Temperature</b>	-10°C to +110°C
<b>Connection:</b>	Internal thread BSP ISO 228-1

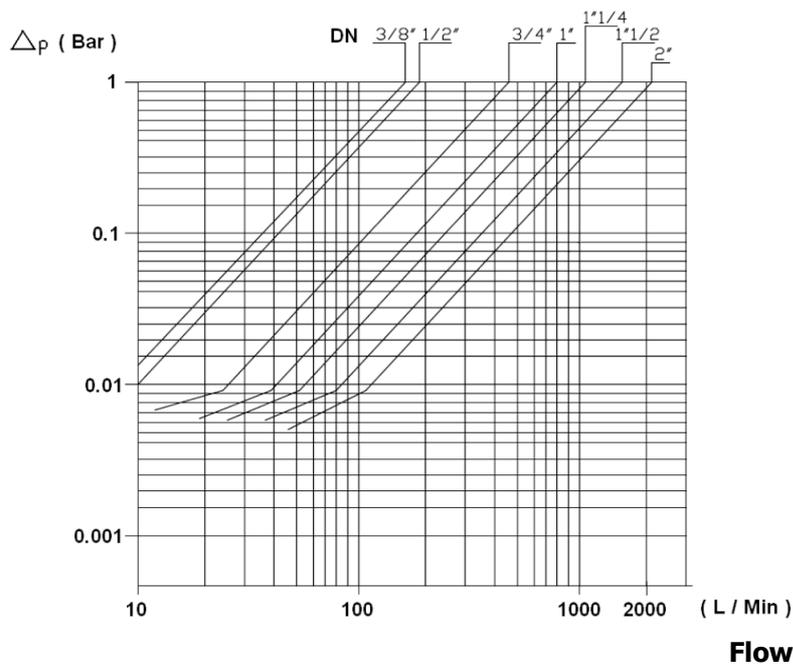
### Standards

- DIRECTIVE 2014/68/EU: For liquids and gases of Group 1
  - DN 1/4" (DN8) – 1" (DN25): Article 4, §3 (SEP), no CE marking
  - DN 1 1/4" (DN32) – 2" (DN50): Risk category I Module A, CE
- Pressure tests according to DIN EN 12266-1, Rate A
- Internal thread BSP cylindrical according to ISO 228-1

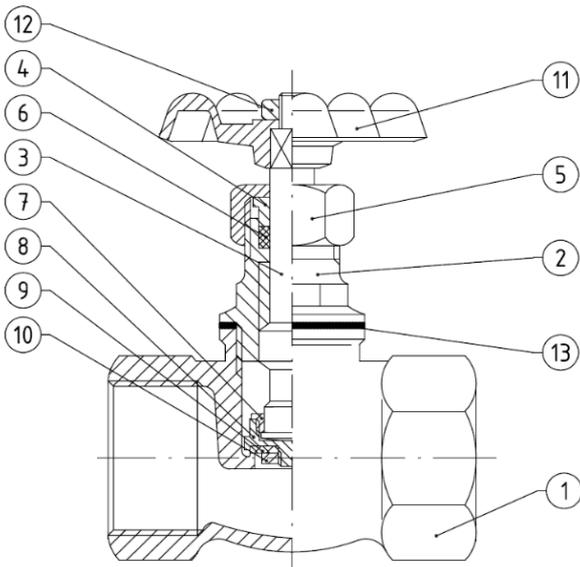
Pressure-temperature diagram (without steam):



Flow chart:

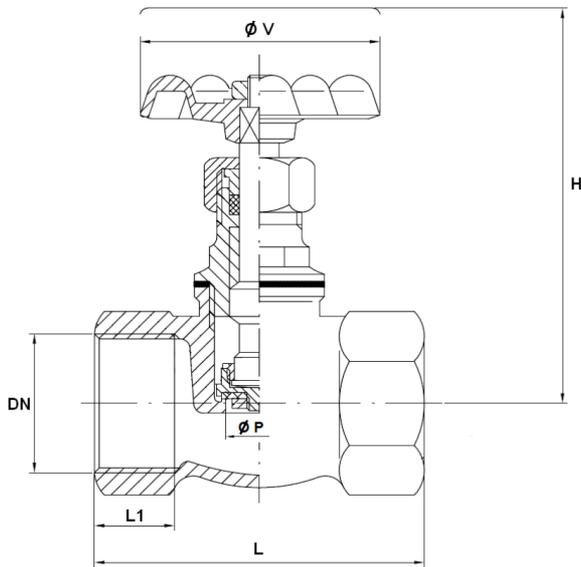


**Materials:**



Item	Designation	Material
1	Body	Bronze C83600 ASTM B62
2	Bonnet	Brass CW617N according to EN 12165
3	Stem	Brass CW614N according to EN 12164
4	Packing gland	Brass CW614N according to EN 12164
5	Packing nut	Brass CW614N according to EN 12164
6	Packing	PTFE
7	Ring	Brass CW614N according to EN 12164
8	Disc	Brass CW614N according to EN 12164
9	Disc ring	PTFE
10	Disc nut	Brass CW614N according to EN 12164
11	Handwheel	Aluminum
12	Handwheel nut	Steel 6S UNI 5589
13	Bonnet gasket (1/4" - 1")	Red fiber

**Dimensions**



DN	1/4	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
L	45	45	49	55	63	72	89	100
L1	9.5	9.5	11	13	12	15	15	19
H (open)	66	66	67	78	90	100	115	145
Ø P	11.5	11.5	11.5	13.5	17.5	21	28.5	36
Ø V	50	50	50	50	55	60	70	80
Weight kg	0.2	0.2	0.21	0.32	0.46	0.68	1.03	1.45

**Item number:**

Model	Pressure stage	Material	Size
<b>AV10</b>	<b>00 – PN16</b>	<b>00 – Bronze/Brass</b>	01 – 1/4" 02 – 3/8" 03 – 1/2" 04 – 3/4" <b>05 – 1"</b> 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

**Example No. AV10000005:**

<b>AV10</b>	<b>00</b>	<b>00</b>	<b>05</b>
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Globe valve with thread

Pressure rating: PN16

Material: Bronze/brass

Size: 1"

Similar to illustration, subject to technical and dimensional changes.