

Threaded globe valve TYPE AV11



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)
- Approval for foodstuffs (EC) No. 1935-2004 on request

Connection:

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

Temperature:

-20°C to 180°C

Pressure:

max. up to 16.0 bar

Body material:

Stainless steel CF8M

Stem material:

Stainless steel 1.4401 / AISI 316

Stem:

Rising

Disc material:

Stainless steel 1.4401 / AISI 316

Packing material:

PTFE

Handwheel material:

Aluminum

Handwheel:

Rising

Nominal pressure

PN16

Temperature

-20°C to +180°C

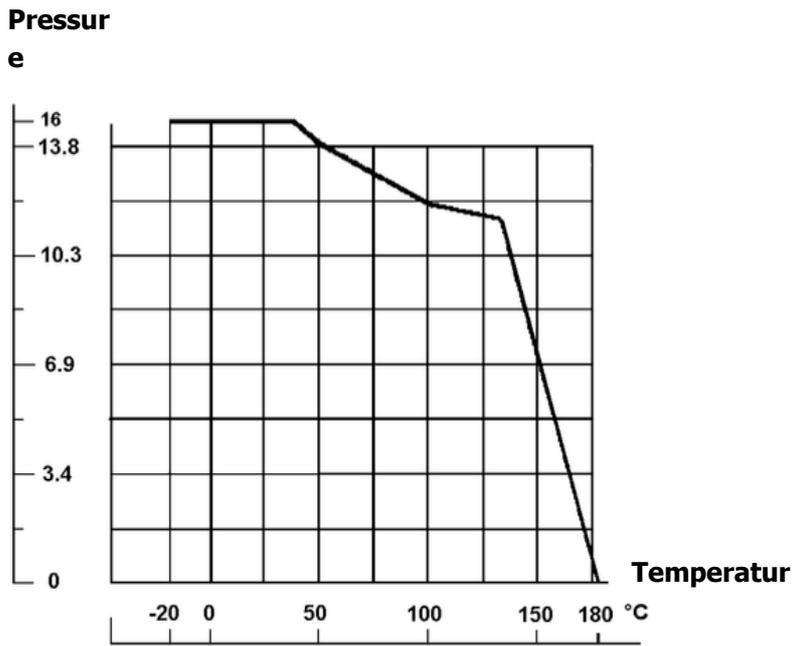
Connection:

Internal thread BSP ISO 228-1

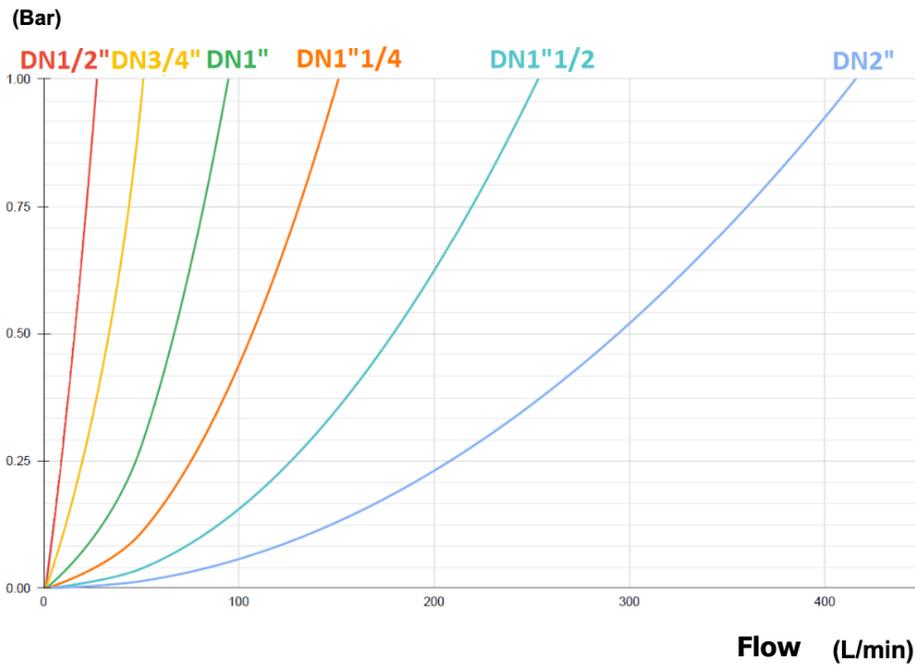
Standards

- 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, CE0343
- Pressure tests according to DIN EN 12266-1, Rate D
- Internal thread BSP cylindrical according to ISO 228-1

Pressure-temperature diagram (without steam):



Flow chart:



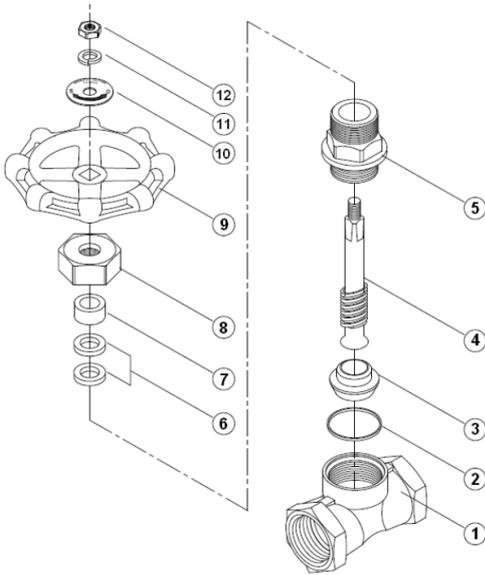
Flow coefficient:

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kvs (m ³ /h)	1.88	3.06	5.67	9.05	15.18	24.94

Number of turns to open and close:

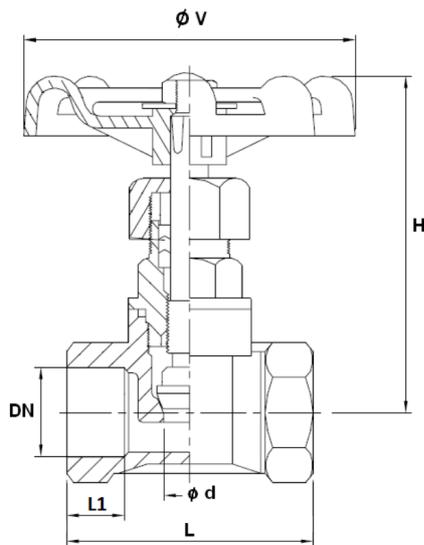
DN	1/2	3/4	1	1 1/4	1 1/2"	2
Number	4.8	4.3	7	8.7	8.2	11

Materials:



Item	Designation	Material
1	Body	Stainless steel CF8M
2	Body seal	PTFE
3	Disc	Stainless steel 1.4401 / AISI 316
4	Stem	Stainless steel 1.4401 / AISI 316
5	Bonnet	Stainless steel CF8M
6	Packing	PTFE
7	Packing gland	Stainless steel 1.4350 / AISI 304
8	Packing nut	Stainless steel CF8M
9	Handwheel	Aluminum
10	Name plate	Aluminum
11	Washer	Stainless steel 1.4401 / AISI 316
12	Nut	Stainless steel 1.4350 / AISI 304

Dimensions



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø d	12	15	20	25	32	40
L	52	60	72	81	90	101
L1	12.5	13	17.5	19	20	20
H (open)	79	94	101	119	142	159
H (closed)	73	85	91	103	124	139
Ø V	70	70	80	80	90	100
Weight kg	0.26	0.44	0.60	0.96	1.22	1.74

Options (on request):

- Valve in accordance with the regulation (EC) No. 1935-2004

Item number:

Design	Pressure rating	Material	Size
AV11	00 – PN16	00 – Stainless steel	03 – 1/2" 04 – 3/4" 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

Example No. AV11000005:

AV11	00	00	05
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Globe valve with thread
 Pressure rating: PN16
 Material: Stainless steel
 Size: 1"

Illustration similar, subject to technical and dimensional changes.