

ANSI-Globe valve TYPE AV09



Description:

Globe valves for a controlled opening and closing of a pipeline system. With optional regulation plug to control the flow rate.

Product features:

- suitable for neutral and non neutral **gaseous & liquid media and steam**
- largely maintenance-free
- with flanges ANSI150 or ANSI300
- installation in any position, spindle preferably in vertical position

Connection:

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

Temperature:

-29°C up to 425°C
– depending on design

Pressure:

up to 300 lbs
– depending on design

Type AV09

Design: ANSI-Globe valve with reduced passage

Type:

AV09

Material body:

Steel A105 / A216 WCB

Material stem:

Stainless steel A182 F6a

Stem:

Rising

Material yoke:

Steel A105

Nominal pressure:

150lbs / 300 lbs

Material disc:

Stainless steel A182 F6a

Material hand wheel:

Carbon steel 1.0036

Hand wheel:

Rising

Gasket:

Graphite

Notes:

Valve according to BS 1873 / API602
PED 2014/68/EU
TA-Luft 2021, tested according to DIN EN ISO 15848
Pressure rating according to ASME B16.34
Final testing according to API 598
Shell pressure test water PN*1,5; Closure pressure test water PN*1,1
Globe valve according to ASME/ANSI B16.34

Face-to-face dimension:

According to ASME B16.10, Tab.1-R15

Flange dimension:

According to ASME B16.5

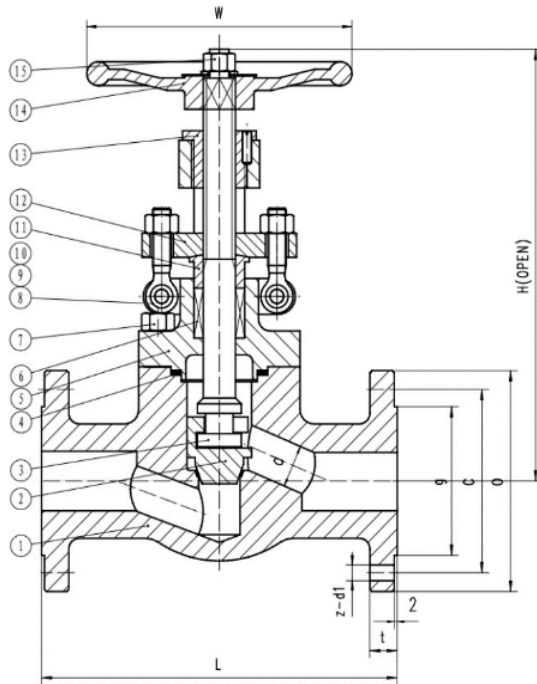
Flange face finish:

According to ASME B16.5, RF

Pressure-temperature-rating:

acc. to ASME B16.34		-29°C	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	425°C
Steel A105	ANSI 150	19,6	19,6	19,2	17,7	15,8	13,8	12,1	10,2	8,4	6,5	5,5
Steel A105	ANSI 300	51,1	51,1	50,1	46,6	45,1	43,8	41,9	39,8	37,6	34,7	23,0

Materials:



Pos.	Designation	Material
1	Body	Steel A105
1.1	Body seat	Stainless steel A182 F6a
2	Disc	Stainless steel A182 F6a
2.1	Disc seat	Stellite
3	Stem	Stainless steel A182 F6a
4	Gasket	Graphite
5	Yoke	Steel A105
6	Packing	Graphite
7	Bonnet bolt	Steel A193 B7
8	Eye bolt	Steel A193 B7
9	Gland nut	Steel A194 2H
10	Nut	Steel A194 2H
11	Gland	Steel A105
12	Gland flange	Steel A105
13	Stem nut	Carbon steel 1.0036
14	Hand wheel	Carbon steel 1.0036
15	Nut	Carbon steel 1.0036

Dimensions:

	DN	1/2"	3/4"	1"	1 1/2"	2"
ANSI 150	W	100	100	125	160	160
	L	108	117	127	165	203
	H	158	165	195	270	320
	d	9	13	18	30	35
	O	89	89	108	127	152
	C	60,5	70,0	79,5	98,5	120,6
	g	35	43	51	73	92,1
	t	10	11	12	15	17,5
	z x d1	4x16	4x16	4x16	4x16	4x16
	Weight	3,2	4,6	5,9	10,8	18,0
ANSI 300	W	100	100	125	160	160
	L	152	178	203	229	267
	H	165	165	195	250	270
	d	9	13	18	30	35
	O	95	117	124	156	165
	C	67,5	82,5	88,9	114,3	127,0
	g	35	43	51	73	92,1
	t	15	16	18	21	22,5
	z x d1	4x16	4x19	4x19	4x22	4x22
	Weight	4,0	6,6	8,5	18,0	26,0

Options (on request):

- Position indicator
- Lock screw
- Packing and gasket PTFE
- Sealing water connection
- Sizes > 2"
- ANSI600 and ANSI800

Article number:

Type	Pressure stage	Plug	Connection	Size
AV09 – Steel	0 – ANSI150 1 – ANSI300	1 – Standard 2 – Throttling cone	00 – Flange	03 – DN15 – 1/2" 04 – DN20 – 3/4" 05 – DN25 – 1" 07 – DN40 – 1 1/2" 08 – DN50 – 2"

Example No. AV09010008:

AV09 | **0** | **1** | **00** | **08**

ANSI Globe valve made of steel

Pressure stage: ANSI150

Plug: Standard

Connection: Flange

Size: DN50 – 2"

Image similar, subject change without notice.