

Small gate valve TYPE AS01



Description:

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

Product features:

- Suitable for neutral and non-neutral **gaseous & liquid media**
- Largely maintenance-free
- Preferred installation position: vertical with spindle pointing upwards

connection:

DN15, DN20 DN25, DN32, DN40, DN50

Temperature:

-10°C to 400°C
- depending on version

Pressure:

up to 40.0 bar
- depending on version

Housing material:

Steel 1.0460

Spindle material:

Stainless steel AISI 410 / AISI 410

Spindle:

external & rising

Bracket attachment

Steel 1.0460

Nominal pressure

PN40

Wedge material

Stainless steel AISI 410 / AISI 410

Material handwheel:

Ductile iron 0.7040

Handwheel:

non-rising

Seal:

Graphite

Installation:

Preferably vertically into horizontal pipes

Inclined or horizontal installation position in vertical pipes possible

Remarks:

Valve according to PED 2014/68/EU

TA-Luft 2021, tested according to DIN EN ISO 15848

AD2000 A4

Final test according to DIN EN 12266

Strength-water PN*1.5; tightness in seat-water PN*1.1

Overall length:

DN15-DN40: According to DIN EN 558-1 basic series 1

DN50: According to DIN EN 558-1 basic series 26

Flange dimensions:

According to DIN EN 1092-1

Sealing strip:

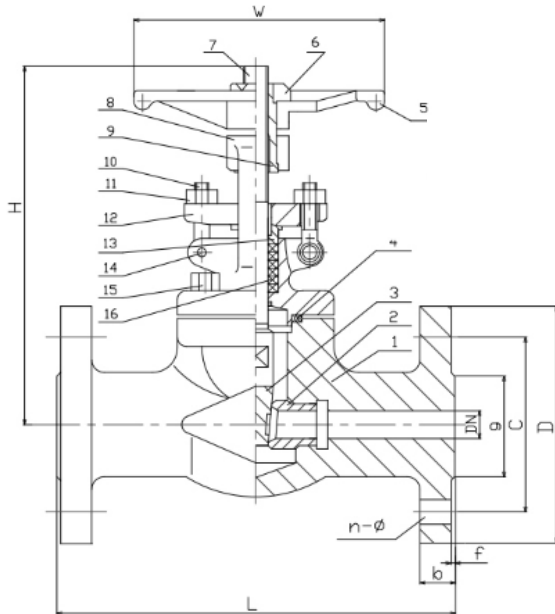
According to DIN EN 1092-1 Type B

Pressure-temperature assignment:

Intermediate values of max. permissible operating pressures may be calculated by linear interpolation between the nearest lower and higher temperature values.

According to DIN EN 1092-1		-29°C	-10°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C
Steel 1.0460	40 bar	40	40	40	38,1	35	32	28	25,7	23,8

Materials:



Pos.	Designation	Material
1	Housing	P250GH / 1.0460
2	Seat ring	13Cr/Stellite
3	Wedge	X10Cr13 / 1.4006
3.1	Sealing surface	13Cr
4	Gasket	Graphite
5	Handwheel	GGG-40
6	Handwheel nut	C35E
7	Spindle	X10Cr13 / 1.4006
8	Ironing attachment	P250GH / 1.0460
9	Threaded bush	Carbon steel / 1.0036
10	Hinged screw	24CrMo5
11	Socket nut	Ck35
12	Stuffing box gland	P250GH / 1.0460
13	Pressure piece	P250GH / 1.0460
14	Split pin	Carbon steel / 1.0036
15	Threaded bolt	24CrMo5 / 1.7219
16	Packing	Graphite

Dimensions:

	DN	15	20	25	32	40	50
PN40	W	100	100	125	160	160	180
	L	130	150	160	180	200	250
	H (closed)	137	137	164	195	208	238
	h1 (open)	155	155	194	235	255	295
	D	95	105	115	140	150	165
	C	65	75	85	100	110	125
	g	45	58	68	78	88	102
	b	16	18	18	18	18	20
	f	2	2	2	2	3	3
	n x d2Ø	4x14	4x14	4x14	4x18	4x18	4x18
	Sp Ø	9,5	9,5	11,1	12,7	15,9	19,0
	Nm	16	17	20	21	27	30
	Stroke	6,0	8,0	8,0	9,0	9,5	11,0
	Weight kg	3,7	4,1	5,9	9,7	11,8	14,5

Options (on request):

- Sprocket
- Drive unit
- Position indicator

Item number:

Version	Pressure stage	Valve material	Connection	size
AS01 - Small gate valve	3 - PN40	0 - Cast steel 1.0619N	00 - Flange	03 - DN15 04 - DN20 05 - DN25 06 - DN32 07 - DN40 08 - DN50

Example no. AS01300007:

AS01	3	0	00	07
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Small gate valve
Pressure stage: PN40
material: Cast steel 1.0619N
connection: Flange
size: DN40

Illustration similar, subject to technical and dimensional changes.