

Wedge gate valve (flat form) TYPE AS04



Description:

Wedge gate valves (flat form) are used for the controlled opening and closing of a pipeline system. The optional regulating cone can also be used to regulate flow rates.

Product features:

- Suitable for neutral **liquid media (fluids group 2)**
- With rubberized wedge
- Soft-sealing

Connection:

DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN500, DN600

Temperature:

-10°C to 70°C

Pressure:

up to 16.0 bar
- depending on version

Type AS04

Housing material:

Spheroidal graphite cast iron 0.7050 / 65-45-12

Spindle material:

Stainless steel 1.4021 / AISI 420

Spindle:

internal & non-rising

Nominal pressure

PN16

Material wedge:

Ductile iron 0.7050 / 65-45-12

Material handwheel:

Carbon steel 1.0036

Handwheel:

non-rising

Seal:

EPDM

Operating temperature:

-10°C to 70°C

Max. operating pressure:

16 bar

Installation:

Inclined no more than 30° to the vertical

Remarks:

Epoxy-coated inside and outside
Fitting according to PED 2014/68/EU
Final test according to DIN EN 12266
Strength-water PN*1.5
Tightness in seat-water PN*1.1

Overall length:

According to DIN EN 558-1 basic series 14

Flange dimensions:

According to DIN EN 1092-2

Sealing strip:

According to DIN EN 1092-2 Type B

Materials

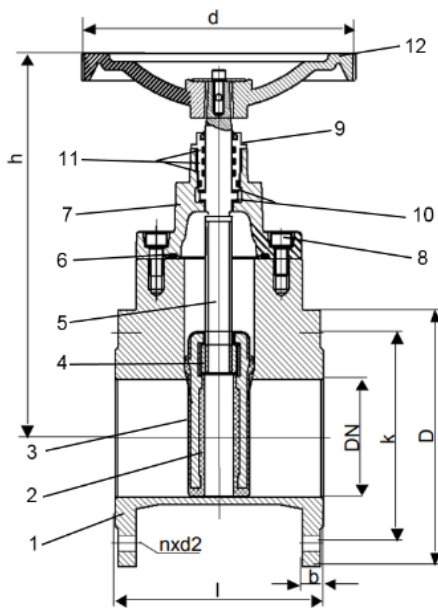


Illustration applies from DN50 to DN350

Pos.	Designation	Item Material
1	Housing	EN-GJS-500-7 / 0.7050
2	Wedge	EN-GJS-500-7 / 0.7050
3	Wedge jacket	EPDM
4	Spindle nut	brass
5	Spindle	X20Cr13 / 1.4021
6	Seal	EPDM
7	Hood	EN-GJS-500-7 / 0.7050
8	Allen screw	8.8 / DIN 912
9	Guide bushing	brass
10	Gasket	Nylon 66
11	O-ring	NBR
12	Handwheel	Carbon steel / 1.0036

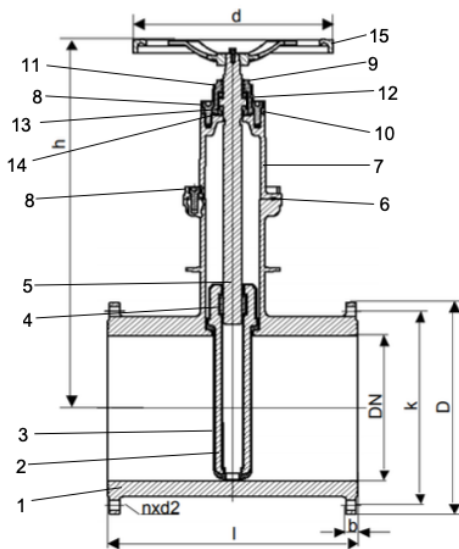


Illustration applies from DN400 to DN600

Pos.	Designation	Material
1	Body	EN-GJS-500-7 / 0.7050
2	Wedge	EN-GJS-500-7 / 0.7050
3	Wedge jacket	EPDM
4	Spindle nut	brass
5	Spindle	X20Cr13 / 1.4021
6	Seal	EPDM
7	Hood	EN-GJS-500-7 / 0.7050
8	Allen screw	8.8 / DIN 912
9	Guide bush	EN-GJS-500-7 / 0.7050
10	Seal	Nylon 66
11	O-ring	NBR
12	Ball bearing	steel
13	Stuffing box nut	brass
14	Gasket	EPDM
15	Handwheel	Carbon steel / 1.0036

Dimensions

	DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
PN16	d	170	170	200	200	220	250	250	300	360	360	360	500	500	500
	l	140	150	170	180	190	200	210	230	250	270	290	310	350	390
	h	250	250	289	290	325	363	400	558	664	730	730	1014	1207	1359
	D	150	165	185	200	220	250	285	340	405	460	520	580	715	840
	k	110	125	145	160	180	210	240	295	355	410	470	525	650	770
	b	19	19	19	19	19	19	19	20	22	24,5	26,5	28	31,5	36
	n x d2	4x19	4x19	4x19	8x19	8x19	8x19	8x23	12x23	12x28	12x28	16x28	16x32	20x31	20x37
	Sp Ø	18	18	20	20	23	23	23	29	33	33	33	36,3	40,7	40,7
	Nm	35	35	40	45	55	90	100	200	210	220	220	350	500	600
	Ø handwheel	170	170	200	200	220	250	250	300	360	360	360	500	500	500
	Stroke	4	4	4	4	5	5	5	6	6	6	6	7	8	8
	Weight kg	10,1	11,0	15,9	17,5	20,5	29,8	36,1	57,4	93,0	124,8	145,0	267,0	508,0	677,0

Options (on request):

- With chain wheel
- ISO flange (supplied without handwheel / suitable for mounting an electric actuator)
- Seal with NBR
- Installation set

Item number:

Version	Pressure stage	Valve material	Connection	size
AS04 - Flat slide valve	1 - PN16	0 - Ductile iron 0.7050	00 - Flange	07 - DN40
				08 - DN50
				09 - DN65
				10 - DN80
				11 - DN100
				12 - DN125
				13 - DN150
				14 - DN200
				15 - DN250
				16 - DN300
				17 - DN350
				18 - DN400
				20 - DN500
				21 - DN600

Example no. AS04100112

AS04	1	0	00	12
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Flat gate valve made of ductile iron
Pressure rating: PN16
Material: Ductile iron 0.7050
Connection: Flange
Size: DN125

Illustration similar, technical and dimensional changes reserved.