

Wedge gate valve (flat form) DVGW drinking water TYPE AS05



Description:

Wedge gate valves (flat form) are used for the controlled opening and closing of a pipe system.

Product features:

- Suitable for neutral **liquid media**
- **With rubberized wedge and handwheel**
- Soft-sealing
- Low torque
- Sealing spindle with 3 O-rings

Connection:

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

Temperature:

-10°C to 60°C

Pressure:

up to 16.0 bar
- depending on version

Type AS05

Body material:

Spheroidal graphite cast iron 0.7040 / 60-40-18

Spindle material:

Stainless steel 1.4021 / AISI 420

Spindle:

internal & non-rising

Nominal pressure:

PN16

Material wedge:

Ductile iron 0.7040 / 60-40-18

Gasket:

EPDM

Operating

-10°C to 60°C

Max. operating

16 bar

Installation:

In accordance with EN 558-1, series 14 or 15

Remarks:

Plastic sliding shoes on the wedge
Gate valve soft-sealing according to EN 1171
Fitting in accordance with PED 2014/68/EU
Final test according to DIN EN 12266
Strength-water PN*1.5
Tightness in seat-water PN*1.1

Face-to-face

According to DIN EN 558-1 basic series 14

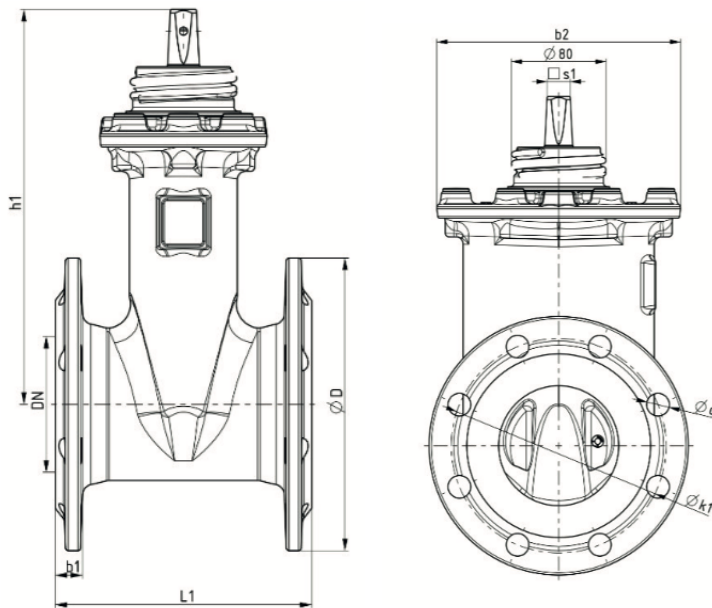
Flange dimensions:

According to DIN EN 1092-2

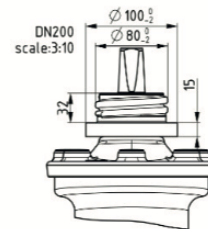
Sealing strip:

According to DIN EN 1092-2 Type B

Materials:



Designation	Material: Material
Housing	EN-GJS-400-15 / 0.7040
Wedge	EN-GJS-400-15 / 0.7040
Cover screws	Stainless steel A2 EN ISO
Spindle	Stainless steel 1.4021
Spindle nut	Brass CW 614 N



Dimensions

	DN	50	65	80	100	125	150	200	250	300	350	400	500
PN16	PN	16	16	16	16	16	16	16	16	16	16	16	16
	s1	14	17	17	19	19	19	24	27	27	32	32	32
	L1	150	170	180	190	200	210	230	250	270	290	310	350
	h1	210	235	265	293	343	380	465	573	675	820	820	1040
	b2	151	165	172	204	248	278	362	430	485	585	585	730
	D	165	185	200	220	250	285	340	400	455	520	580	715
	k1	125	145	160	180	210	240	295	355	410	470	525	650
	b1	19	19	19	19	18	19	20	22	24,5	26,5	28	31
	n x dØ	4x19	4x19	8x19	8x19	8x19	8x23	12x23	12x28	12x28	16x28	16x31	20x34
	Ø handwheel	200	250	250	300	300	300	400	500	500	600	600	800
	Nm	30	30	35	40	65	80	120	140	220	280	300	320
	Weight kg	9,0	11,2	13,8	16,6	24,0	31,0	57,0	93,2	134,1	212,0	226,0	438,0

Delivery test according to DIN EN 12266:

Test pressure in the housing	Test pressure in the housing
with air up to DN200: leakage rate A	with air up to DN200: leak rate A
with water DN250 - DN600: leakage rate A	with water DN250 - DN600: leak rate A
24 bar	17.6 bar

Options (on request):

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

Item number:

Version	Pressure stage	Valve material	Connection	Size
AS05 - Flat slide valve	1 - PN16	0 - ductile iron 0.7040	00 - Flange	08 - DN50
				09 - DN65
				10 - DN80
				11 - DN100
				12 - DN125
				13 - DN150
				14 - DN200
				15 - DN250
				16 - DN300
				17 - DN350
				18 - DN400
				20 - DN500

Example no. AS05100012

AS05	1	0	00	12
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Flat gate valve made of spheroidal graphite iron
Pressure rating: PN16
Material: Spheroidal graphite iron 0.7040
Connection: Flange
Size: DN125

Illustration similar, technical and dimensional changes reserved.