

Wedge gate valve (round form) TYPE AS02



Description:

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

Product features:

- Suitable for neutral and non-neutral **gaseous & liquid media**
- Largely maintenance-free
- Can be installed in any position, spindle preferably upright

connection:

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

Temperature:

-10°C to 400°C
- depending on version

Pressure:

up to 40.0 bar
- depending on version

Type AS02

Type:	Wedge gate valve (round form) with flange and handwheel
Body material:	Cast steel 1.0619N
Material spindle:	Stainless steel 1.4021 / AISI 420
Spindle:	external & rising
Shackle attachment	Cast steel 1.0619N
Nominal pressure	PN16 / PN40
Material wedge:	Cast steel 1.0619N
Material handwheel:	Carbon steel 1.0036
Handwheel:	non-rising
Seal:	Graphite
Installation:	Preferably vertically into horizontal pipes Up to DN 200 inclined or horizontal installation position in vertical pipes possible
Remarks:	With protective coating RAL5015, 40-60 µm, max. 120°C corresponds to Corrosivity category C1 according to DIN EN ISO 12944 Part 2 (protection period Fitting in accordance with PED 2014/68/EU TA-Luft 2021, tested according to DIN EN ISO 15848 AD2000 A4 Final test in accordance with DIN EN 12266 Strength-water PN*1.5; tightness in seat-water PN*1.1
Construction length:	According to DIN EN 558-1 basic series 15
Flange dimensions:	According to DIN EN 1092-1
Sealing strip:	According to DIN EN 1092-1 Type B1

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		-10°C	20°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C
Cast steel 1.0619N	10 bar	10	10	9,2	8,8	8,3	7,6	6,9	6,4	5,9
Cast steel 1.0619N	16 bar	16	16	16	15,3	14	13	11	10,2	9,5
Cast steel 1.0619N	25 bar	25	25	25	23,9	22	20	17,2	16	14,8
Cast steel 1.0619N	40 bar	40	40	40	38,1	35	32	28	25,7	23,8

Materials:

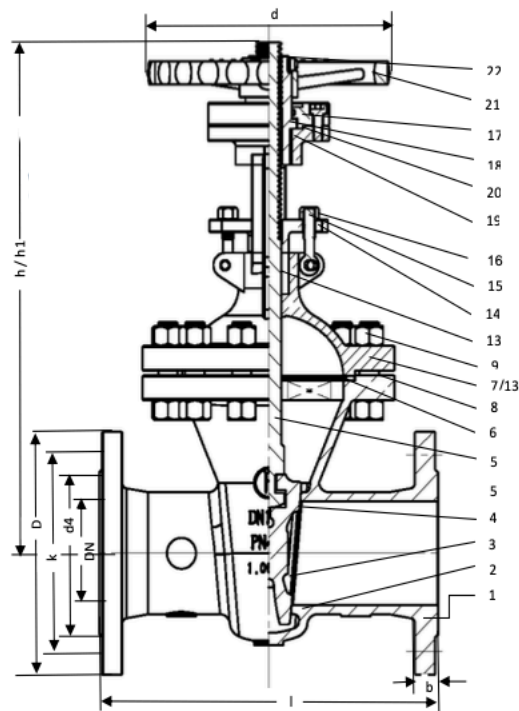


Illustration applies to:
 PN10 from DN200 to DN400
 PN16 from DN65 to DN350
 PN25 from DN65 to DN300
 PN40 from DN50 to DN300

Pos.	Designation	Material
1	Housing	GPH240GH+N / 1.0619N
2	Sealing surface	Stellite
3	Wedge	GPH240GH+N / 1.0619N
4	Sealing surface wedge	13Cr
5	Spindle	X20Cr13 / 1.4021
6	Gasket	graphite
7	Hood	GPH240GH+N / 1.0619N
8	Threaded bolt	25CrMo4 / 1.7218
9	Socket nut	25CrMo4 / 1.7218
10	Packing	graphite
11	Threaded bolt	25CrMo4 / 1.7218
12	Socket nut	25CrMo4 / 1.7218
13	Bracket attachment	GPH240GH+N / 1.0619N
14	Stuffing box gland	GPH240GH+N / 1.0619N
15	Folding screw	GPH240GH+N / 1.0619N
16	Socket nut	Ck35 / 1.1181
17	ISO flange	C25 / 1.0406
18	Threaded bushes	GJS-400-15 / 0.7040
19	Bearing	-
20	Grease nipple	-
21	Handwheel	Carbon steel / 1.0036
22	Handwheel nut	C35E / 1.1181

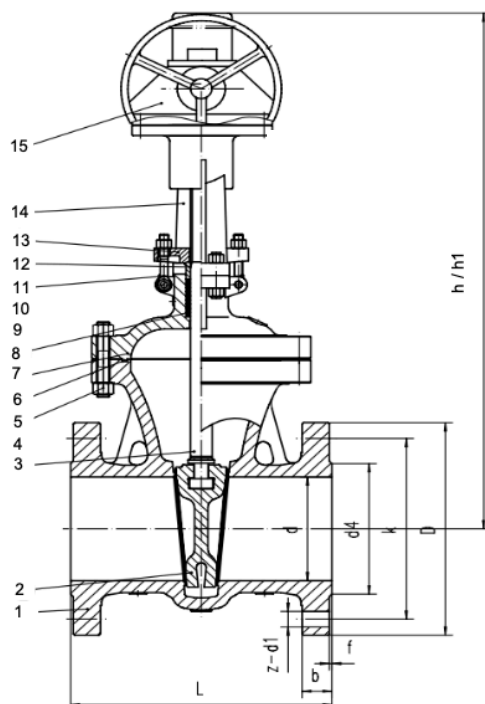


Illustration applies to:
 PN10 from DN500 to DN600
 PN16 from DN400 to DN600
 PN25 from DN350 to DN600
 PN40 from DN350 to DN600

Pos.	Designation	Material
1	Body	GPH240GH+N / 1.0619N
1.1	Sealing surface	Stellite
2	Wedge	GPH240GH+N / 1.0619N
2.2	Sealing surface	13Cr
3	Spindle	X20Cr13 / 1.4021
4	Threaded bolt	CK35 / 1.1181
5	Socket nut	25CrMo4 / 1.7218
6	Gasket	Graphite
7	Hood	GPH240GH+N / 1.0619N
8	Packing	graphite
9	pin	AISI 1045
10	Stuffing box screw	25CrMo4 / 1.7218
11	Stuffing box nut	CK35 / 1.1181
12	Stuffing box	X20Cr13 / 1.4021
13	Stuffing box gland	GPH240GH+N / 1.0619N
14	Temple attachment	GPH240GH+N / 1.0619N
15	Gearbox	Carbon steel / 1.0036

Dimensions:

	DN	50	65	80	100	125	150	200	250	300	350	400	500	600
PN10	d	-	-	-	-	-	-	400	450	500	560	640	500	600
	L	-	-	-	-	-	-	400	450	500	550	600	700	800
	h (closed)	-	-	-	-	-	-	780	920	1120	1280	1450	2110	2450
	h1 (open)	-	-	-	-	-	-	1010	1200	1430	1600	1875	2510	2950
	D	-	-	-	-	-	-	340	395	445	505	565	670	725
	k	-	-	-	-	-	-	295	350	400	460	515	620	725
	d4	-	-	-	-	-	-	268	320	378	430	482	585	685
	b	-	-	-	-	-	-	24	26	28	26	26	28	34
	f	-	-	-	-	-	-	3	3	4	4	4	4	5
	z x d1Ø	-	-	-	-	-	-	8x22	12x22	12x22	16x22	16x26	20x26	20x30
	Flange	-	-	-	-	-	-	F14	F14	F14	F16	F16	F25	F25
	Sp Ø	-	-	-	-	-	-	Tr32x6LH	Tr36x6LH	Tr40x7LH	Tr40x7LH	Tr40x7LH	Tr44x7LH	Tr50x8LH
	Nm	-	-	-	-	-	-	90	126	174	210	274	468	612
	Stroke	-	-	-	-	-	-	37	46	46	53	61	67	69
	Weight kg	-	-	-	-	-	-	139,0	199,0	320,0	390,0	560,0	560,0	1200,0
PN16	d	-	250	250	300	350	400	400	450	500	550	-	-	-
	L	-	270	280	300	325	350	400	450	500	550	600	700	800
	h (closed)	-	425	430	480	580	650	780	920	1120	1450	1720	2110	2450
	h1 (open)	-	510	530	610	710	820	1010	1200	1430	1600	2100	2510	2950
	D	-	185	200	220	250	285	340	405	460	520	580	715	840
	k	-	145	160	180	210	240	295	355	410	470	525	650	650
	d4	-	122	138	158	188	212	268	320	378	438	490	610	725
	b	-	18	20	20	22	22	24	26	28	30	32	44	54
	f	-	3	3	3	3	3	3	3	4	4	4	4	5
	z x d1Ø	-	4x18	8x18	8x18	8x18	8x22	12x22	12x26	12x26	16x26	16x30	20x33	20x36
	Flange	-	F10	F10	F10	F10	F10	F14	F14	F14	F16	F16	F25	F25
	Sp Ø	-	Tr24x5LH	Tr24x5LH	Tr26x5LH	Tr26x5LH	Tr28x5LH	Tr32x6LH	Tr36x6LH	Tr40x7LH	Tr40x7LH	Tr44x7LH	Tr50x8LH	Tr47x9LH
	Nm	-	24	33	45	56	75	102	156	239	252	402	672	936
	Stroke	-	16	20	24	28	34	37	46	46	53	61	67	69
	Weight kg	-	30,5	35,0	46,0	66,0	86,0	140,0	202,0	325,0	390,0	560,0	860,0	1200,0
PN25	d	-	250	250	300	300	400	400	450	450	-	-	-	-
	L	-	270	280	300	325	350	400	450	500	550	600	700	800
	H (closed)	-	430	430	490	570	630	790	940	1120	1640	1720	2110	2450
	h1 (open)	-	520	540	620	710	800	1010	1210	1470	1910	2100	2510	2950
	D	-	185	200	235	270	300	360	425	485	555	620	730	845
	k	-	145	160	190	220	250	310	370	430	490	550	660	770
	d4	-	122	138	162	188	218	278	335	395	450	505	615	720
	b	-	22	24	24	26	28	30	32	34	38	40	48	58
	f	-	3	3	3	3	3	3	3	4	4	4	4	5
	z x d1Ø	-	8x18	8x18	8x22	8x26	8x26	12x26	12x30	16x30	16x33	16x36	20x36	20x39
	Flange	-	F10	F10	F10	F10	F10/F14	F14	F14	F14	F16	F16	F25	F25
	Sp Ø	-	Tr24x5LH	Tr24x5LH	Tr26x5LH	Tr26x5LH	Tr28x5LH	Tr32x6LH	Tr36x6LH	Tr40x7LH	Tr40x7LH	Tr44x7LH	Tr50x8LH	Tr47x9LH
	Nm	-	28	38	51	76	101	158	258	372	456	612	1044	1438
	Stroke	-	16	20	24	28	34	37	46	46	53	61	67	69
	Weight kg	-	32,5	37,0	49,5	68,5	93,0	146,0	223,0	305,0	394,0	650,0	900,0	-
PN40	d	200	250	250	300	350	400	400	460	460	-	-	-	-
	L	250	290	310	350	400	450	550	650	750	850	950	1150	-
	H (closed)	325	390	430	490	575	630	800	935	1120	1680	1790	2210	-
	h1 (open)	400	480	530	610	705	810	1020	1190	1470	1980	2180	2610	-
	D	165	185	200	235	270	300	375	450	515	580	660	755	-
	k	125	145	160	190	220	250	320	385	450	510	585	670	-
	d4	102	122	138	162	188	218	285	345	410	465	535	615	-
	b	20	22	24	24	26	28	34	38	42	46	50	57	-
	f	3	3	3	3	3	3	3	4	4	4	4	5	-
	z x d1Ø	4x18	8x18	8x18	8x22	8x26	8x26	12x30	12x33	16x33	16x36	16x39	20x42	-
	flange	F10	F10	F10	F10	F14	F14	F14	F14	F14	F16	F25	F25	-
	Sp Ø	Tr20x4LH	Tr24x5LH	Tr24x5LH	Tr26x5LH	Tr26x5LH	Tr28x5LH	Tr32x6LH	Tr36x6LH	Tr44x7LH	Tr46x7LH	Tr48x8LH	Tr55x9LH	-
	Nm	34	33	44	63	106	156	252	396	564	696	936	1704	-
	Stroke	16	15	19	24	29	33	36	44	46	53	53	59	-
	Weight kg	20,5	32,0	38,5	51,0	77,0	99,0	161,5	249,5	364,0	-	-	-	-

Options (on request):

- With sprocket
- With PTFE seal
- Position indicator

Item number:

Version	Pressure rating	material	Connection	Size
AS02 - Round slide valve	3 - PN10-PN40	0 - Cast steel 1.0619N	00 - Flange	08 - DN50
Version	Pressure rating	material	Connection	Size
AS02 - Round slide valve	1 - PN10-PN16	0 - Cast steel 1.0619N	00 - Flange	09 - DN65
	2 - PN25			10 - DN80
	3 - PN40			11 - DN100
				12 - DN125
				13 - DN150
Version	Pressure rating	material	Connection	Size
AS02 - Round gate valve	0 - PN10	0 - Cast steel 1.0619N	00 - Flange	14 - DN200
	1 - PN16			15 - DN250
	2 - PN25			16 - DN300
	3 - PN40*			17 - DN350
				18 - DN400
				20 - DN500
				21 - DN600

Example no. AS02200012

AS02	2	0	00	12
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Gate valve as cast steel round gate valve version

Pressure rating: PN25

material: Cast steel 1.0619N

connection: Flange

Size: DN125

* PN40 only available up to nominal size DN500

Illustration similar, technical and dimensional changes reserved.