

**Product characteristics and benefits**

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4B)
- Face-to-face length acc. to EN 558-1, basic series 15 (DIN 3202, F5)
- With flange ends on both sides acc. to EN 1092-2
- Low operating torque due to plastic sliding guides on the wedge
- Stem thread outside
- With handwheel
- Maintenance-free and corrosion-resistant stem sealing
- With triple O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with EPDM vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- With electric actuator

Field of application

- Chamber installation
- Installation in plants

**Tests and approvals**

- Final inspection test acc. to EN 12266
- Elastomers approved acc. to W270

Note

For proper installation and safe operation please follow the installation and operation instructions:
KAT-B 1030

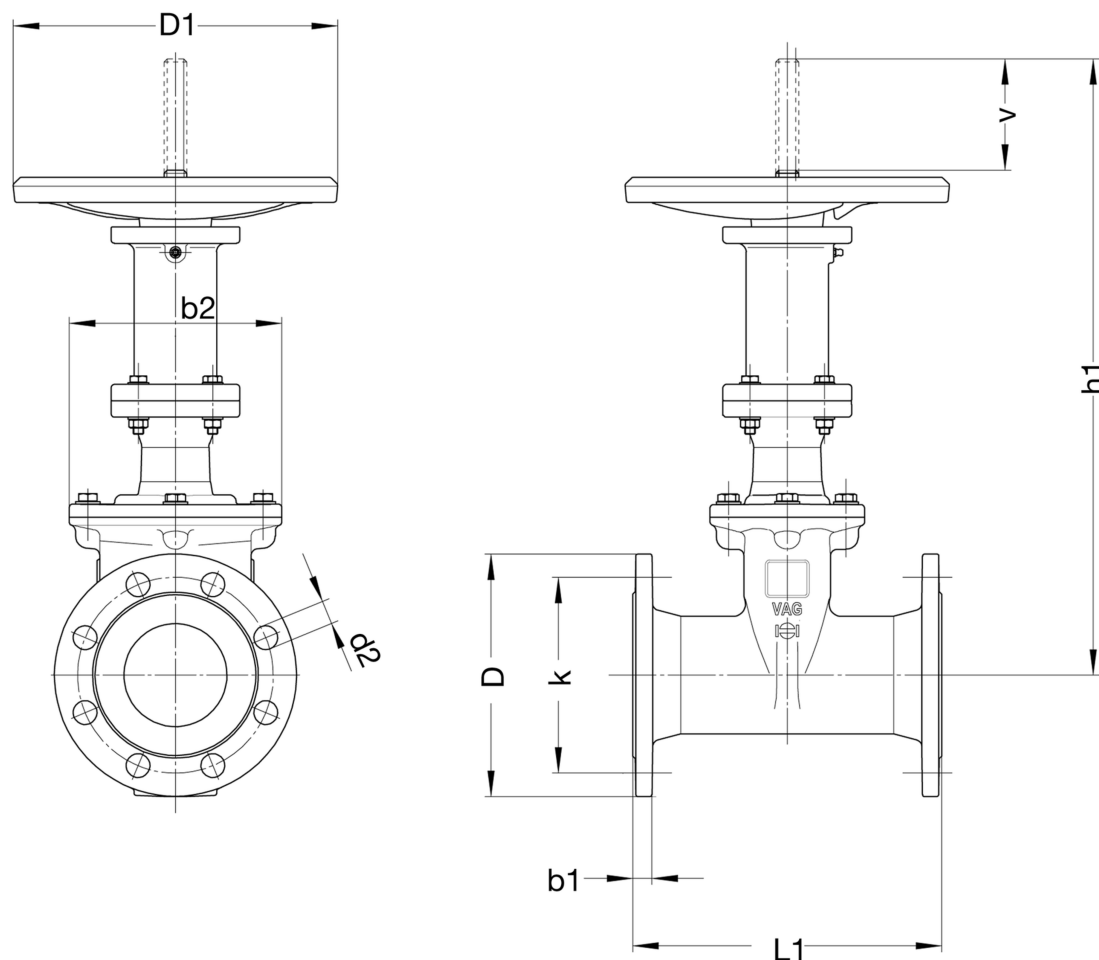
Operating conditions

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...500	25	25	50
50...500	16	16	50
200...500	10	10	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
38	28
24	17.6
15	11

Drawing



Technical data

PN 10

DN		200	250	300	350	400	500
D	[mm]	340	400	455	520	580	715
k	[mm]	295	350	400	460	515	620
D1	[mm]	400	500	500	500	630	630
L1	[mm]	400	450	500	550	600	700
b1	[mm]	20	22	24.5	26.5	28.5	31.5
b2	[mm]	330	413	472	619	619	726
d2	[mm]	23	23	23	23	28	28
h1	[mm]	942	1205	1318	1526	1727	2083
v	[mm]	203	254	303	353	405	507
No. of holes		8	12	12	16	16	20
Turns/stroke		34	43	51	59	50	64
Volume approx.	[m³]	0.178	0.351	0.386	0.608	0.801	1.24



Technical data

PN 16

DN		50	80	100	150	200	250	300	350	400	500
D	[mm]	165	200	220	285	340	400	455	520	580	715
k	[mm]	125	160	180	240	295	355	410	470	525	650
D1	[mm]	200	250	315	315	400	500	500	500	630	630
L1	[mm]	250	280	300	350	400	450	500	550	600	700
b1	[mm]	19	19	19	19	20	22	24.5	26.5	28.5	31.5
b2	[mm]	121	206	206	252	330	413	472	619	619	726
d2	[mm]	19	19	19	23	23	28	28	28	31	34
h1	[mm]	389	467	592	719	942	1205	1318	1526	1727	2083
v	[mm]	56	82	102	153	203	254	303	353	405	507
No. of holes		4	8	8	8	12	12	12	16	16	20
Turns/stroke		12	20	20	30	34	43	51	59	50	64
Volume approx.	[m ³]	0.024	0.04	0.07	0.095	0.178	0.351	0.386	0.608	0.801	1.24

PN 25

DN		50	80	100	150	200	250	300	400	500
D	[mm]	165	200	235	300	360	425	485	620	730
k	[mm]	125	160	190	250	310	370	430	550	660
D1	[mm]	200	250	315	315	400	500	500	630	630
L1	[mm]	250	280	300	350	400	450	500	600	700
b1	[mm]	19	19	19	20	22	24.5	27.5	32	36.5
b2	[mm]	121	206	206	252	330	413	472	619	726
d2	[mm]	19	19	23	28	28	31	31	37	37
h1	[mm]	389	467	592	719	942	1205	1318	1727	2083
v	[mm]	56	82	105	153	203	254	303	405	507
No. of holes		4	8	8	8	12	12	16	16	20
Turns/stroke		12	20	20	30	34	43	51	50	64
Volume approx.	[m ³]	0.024	0.04	0.07	0.096	0.18	0.354	0.39	0.808	1.244