


PN 10/16 - DN 40...300

KAT-A 1162-E-F5

Product characteristics and benefits

- Metallic sealing in accordance with EN 1171 (similar to DIN 3352 - Parts 2 and 3)
- 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
- Stem thread inside
- With handwheel
- Maintenance-free stem sealing

Materials

- Body: Cast iron EN-GJL-250 (GG-25)
- Bonnet: Cast iron EN-GJL-250 (GG-25)
- Wedge: Cast iron EN-GJL-250 (GG-25)
- Body and wedge seat rings: Stainless steel 1.4301
- O-rings: Viton (200°C/392°F)
- Bonnet for DN 300 and DN 250 and body at DN 300 are made of EN-GJS-400-15 (GGG-40)
- Stem: Stainless steel 1.4021
- Stem nut: Cast iron EN-GJL-250 (GG-25)
- Stem bearing: Cast iron EN-GJL-250 (GG-25)

Corrosion protection

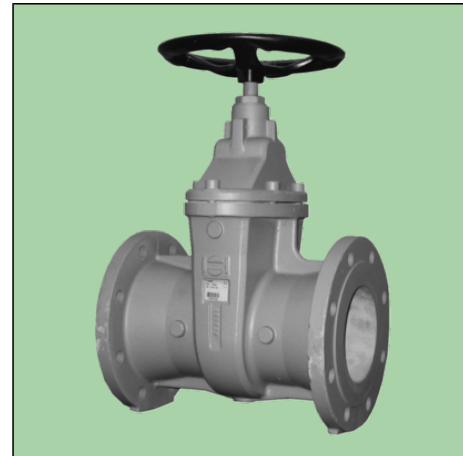
- Internally and externally synthetic resin varnish coated

Versions

- Standard version as described
- Basic version pressure rating PN 16, flanges PN 10 drilled
- With drain plug

Field of application

- Chamber installation
- Installation in plants


Tests and approvals

- Final inspection test according to EN 12266 (leakage rate B)

Accessories

- Extension spindle

Note

For proper installation and safe operation please follow the installation and operation instructions:

“Installation and Operating Instructions for Valves”

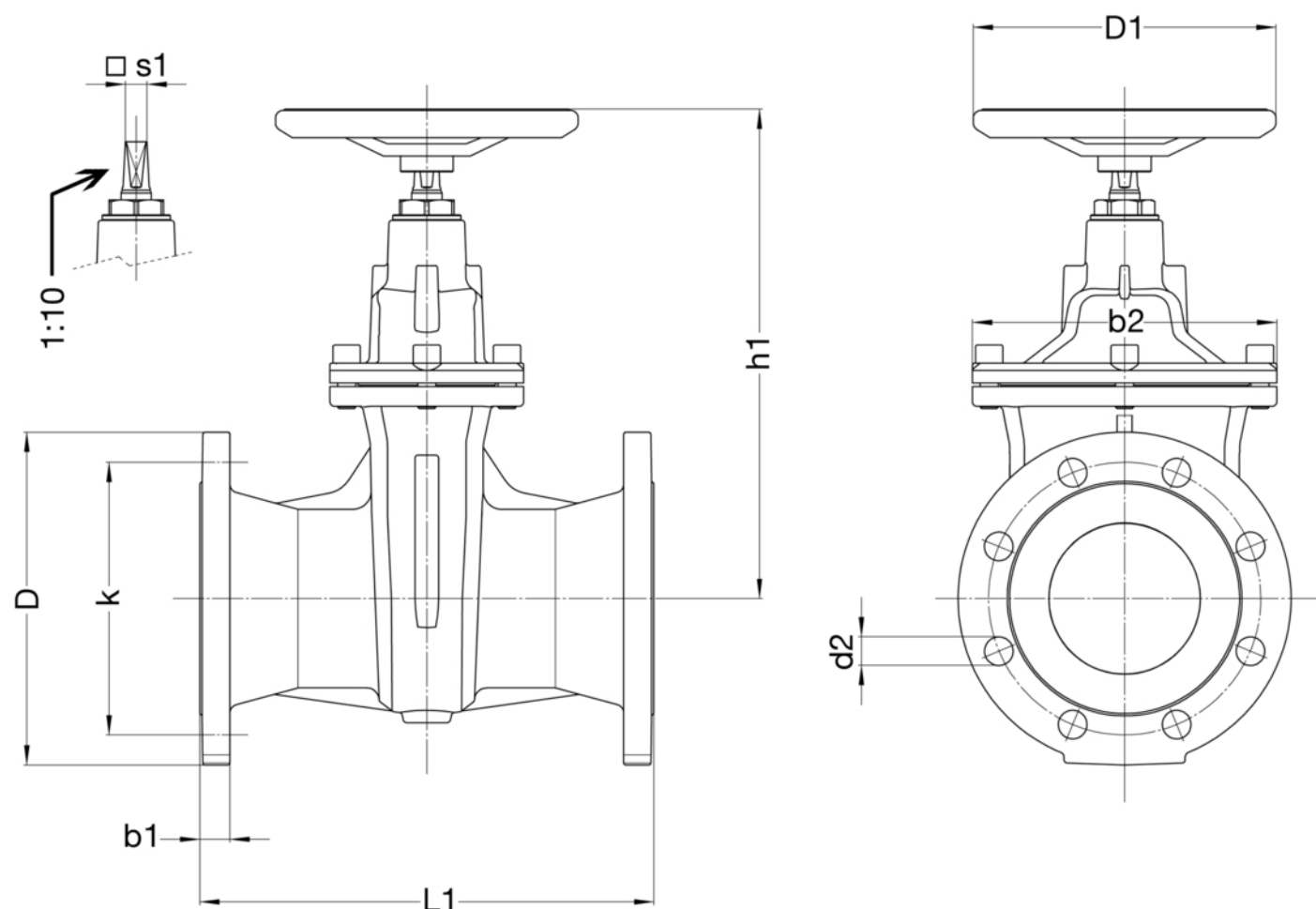
Operating conditions

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for medium [°C]
40...300	16	16	120
40...300	16	14.1	150
40...300	16	12.8	200
200...300	10	10	120
200...300	10	9	150
200...300	10	8	200

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	16
24	16
24	16
15	11
15	11
15	11

Drawing



Technical data

PN 10

DN		200	250	300
D	[mm]	340	395	445
k	[mm]	295	350	400
D1	[mm]	200	300	300
L1	[mm]	400	450	500
b1	[mm]	26	28	28
b2	[mm]	340	388	445
d2	[mm]	23	23	23
h1	[mm]	505	595	675
□ s1	[mm]	14	19	19
No. of holes		8	12	12
Turns/stroke		45	54	66
Weight approx.	[kg]	61.50	95.00	127.00
Volume approx.	[m³]	0.091	0.145	0.208



Technical data

PN 16

DN		40	50	65	80	100	125	150	200	250	300
D	[mm]	150	165	185	200	220	250	285	340	405	460
k	[mm]	110	125	145	160	180	210	240	295	355	410
D1	[mm]	150	150	150	150	200	200	200	200	300	300
L1	[mm]	240	250	270	280	300	325	350	400	450	500
b1	[mm]	18	20	20	22	24	26	26	30	32	32
b2	[mm]	140	140	176	176	201	238	263	340	388	445
d2	[mm]	19	19	19	19	19	19	23	23	28	28
h1	[mm]	225	235	280	280	330	380	420	505	595	675
□ s1	[mm]	12	12	12	12	14	14	14	14	19	19
No. of holes		4	4	4	8	8	8	8	12	12	12
Turns/stroke		14	16	20	24	29	29	34	45	54	66
Weight approx.	[kg]	11.00	13.00	18.00	20.50	27.50	40.00	50.00	81.50	125.00	167.00
Volume ap- prox.	[m ³]	0.01	0.013	0.018	0.021	0.029	0.041	0.056	0.091	0.145	0.208