


PN 16 - DN 40...300

KAT-A 1162-AL-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 outside
- With handwheel
- Adjustable stuffing box

Materials

- Body: Cast iron EN-JL 1040 (GG-25)
- Bonnet: Cast iron EN-JL 1040 (GG-25)
- Wedge: Cast iron EN-JL 1040 (GG-25)
- Body and wedge seat rings: Stainless steel 1.4301
- Stem: Stainless steel 1.4021
- Stem nut: Cast iron EN-JL 1040 (GG-25)
- Stem bearing: Cast iron EN-JL 1040 (GG-25)

Corrosion protection

- Internally and externally synthetic resin varnish coated

Versions

- Standard version as described
- Prepared for electric actuator
- 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)

Note

For proper installation and safe operation please ensure that you read the installation and operation instructions: "Installation and Operating Instructions for Valves"

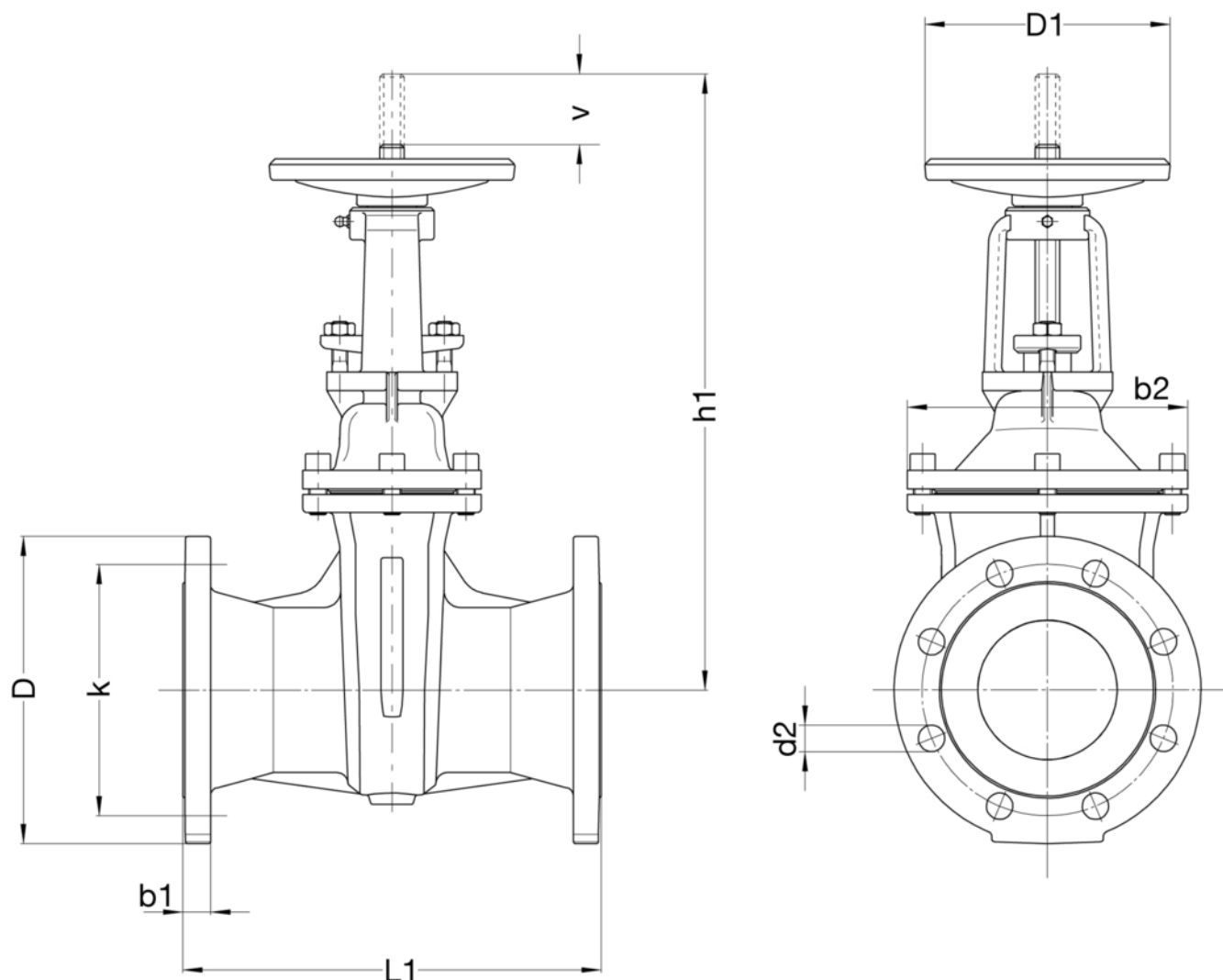
Field of application

DN	PN	Maximum operating pressure PS [bar]	Maximum operating temperature for neutral liquids [°C]
40...300	16	16	120
40...300	16	14.1	150
40...300	16	12.8	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

Drawing



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
D1	[mm]	200	200	250	250	250	250	250	315	400	500
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]	310	325	385	410	475	540	600	750	895	1020
k	[mm]	110	125	145	160	180	210	240	295	355	410
v	[mm]	60	70	85	100	125	145	170	230	290	335
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]	20.00	24.00	33.00	40.00	50.00	65.00	83.00	143.00	216.00	294.00
Volume approx.	[m³]	0.016	0.017	0.030	0.038	0.047	0.062	0.080	0.150	0.244	0.350