



PN 10/16 - DN 40...600

KAT-A 1030-F4-W-AL

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 14 (DIN 3202, F4)
- 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

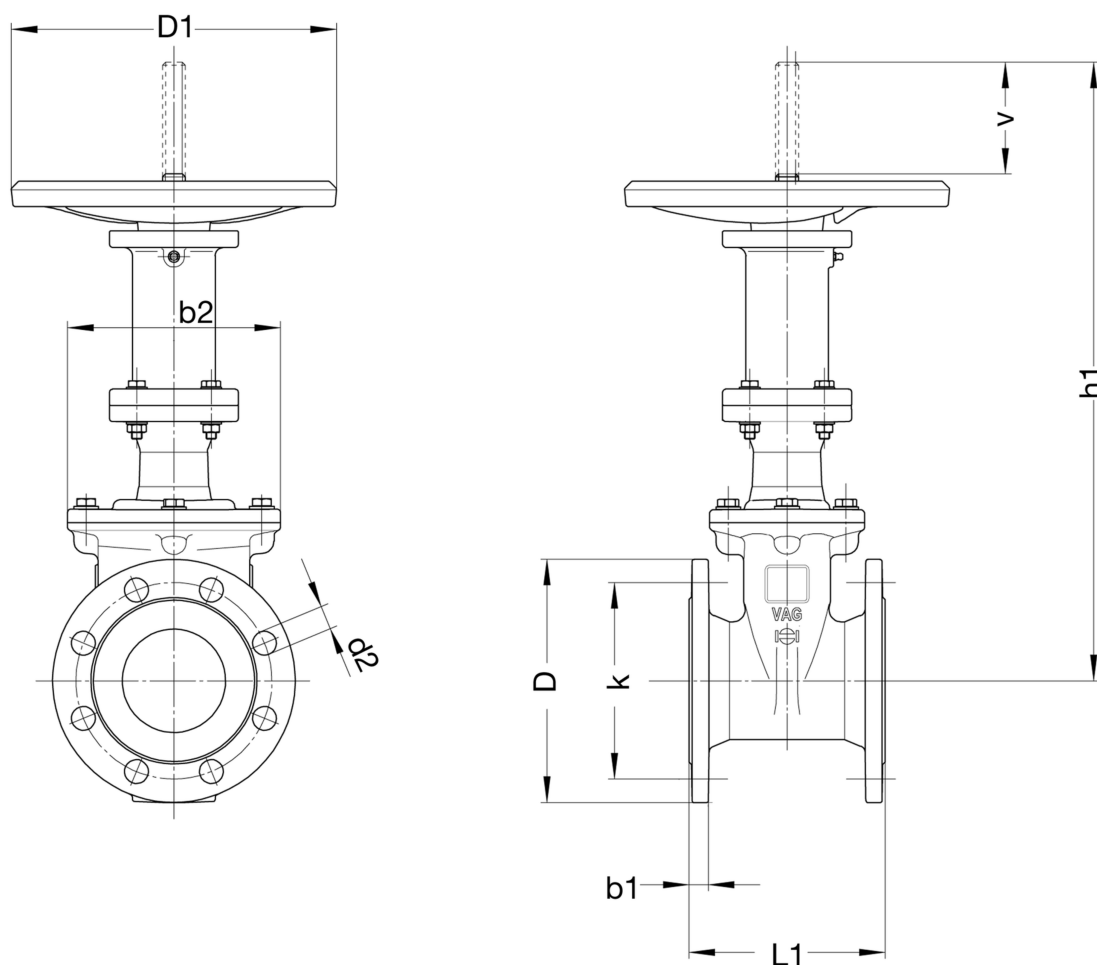
Operating conditions

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...600	16	16	50
200...600	10	10	50

Pressure test acc. to EN 12266

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

Drawing



Technical data

PN 10

DN		200	250	300	350	400	500	600
D	[mm]	340	400	455	520	580	670	780
k	[mm]	295	350	400	460	515	620	725
D1	[mm]	400	500	500	500	630	630	630
L1	[mm]	230	250	270	290	310	350	390
b1	[mm]	20	22	24.5	26.5	28	26.5	30
b2	[mm]	330	413	472	619	619	726	954
d2	[mm]	23	23	23	23	28	28	31
h1	[mm]	942	1205	1318	1526	1727	2083	2448
v	[mm]	203	254	303	353	405	507	604
No. of holes		8	12	12	16	16	20	20
Turns/stroke		34	43	51	59	50	64	75.5
Weight approx.	[kg]	72.50	111.00	142.00	272.00	364.00	467.00	753.00
Volume approx.	[m³]	0.075	0.151	0.165	0.237	0.344	0.478	0.74


Technical data
PN 16

DN		40	50	80	100	150	200	250	300	350	400	500	600
D	[mm]	150	165	200	220	285	340	400	455	520	580	715	840
k	[mm]	110	125	160	180	240	295	355	410	470	525	650	770
D1	[mm]	200	200	250	315	315	400	500	500	500	630	630	630
L1	[mm]	140	150	180	190	210	230	250	270	290	310	350	390
b1	[mm]	19	19	19	19	19	20	22	24.5	26.5	28	31.5	36
b2	[mm]	121	121	206	206	252	330	413	472	619	619	726	994
d2	[mm]	19	19	19	19	23	23	28	28	28	31	34	37
h1	[mm]	384	389	467	592	719	942	1205	1318	1526	1727	2083	2448
v	[mm]	40	56	82	102	153	203	254	303	353	405	507	604
No. of holes		4	4	8	8	8	12	12	12	16	16	20	20
Turns/stroke		10	12.5	20.5	20.5	30.5	34	43	51	59	50	64	75.5
Weight approx.	[kg]	15.70	16.60	23.80	28.80	41.60	72.00	110.50	141.20	271.00	355.00	503.00	855.00
Volume approx.	[m ³]	0.008	0.008	0.015	0.029	0.036	0.075	0.151	0.165	0.237	0.344	0.478	0.734