

PN 1/1.6/2.5/4/6/10 - DN 50...1200

KAT-A 1131-AL

Product characteristics and benefits

- Metallic sealing in accordance with EN 1171 (DIN 3352 - Part 3)
- 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, PN 10
- Stem thread outside
- With handwheel
- Adjustable stuffing box
- With drain plug
- DN 400, DN 700 and DN 1200 for operating pressure = PN, a gearbox is required

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Body and wedge seat rings: Zinc-free bronze (waste-water resistant)
- Stem: Stainless steel 1.4057
- Stem nut: Zinc-free bronze (waste water resistant)

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described
- With gearbox

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)

Accessories

- Extension spindle

Note

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

“Installation and Operating Instructions for Valves”

Field of application

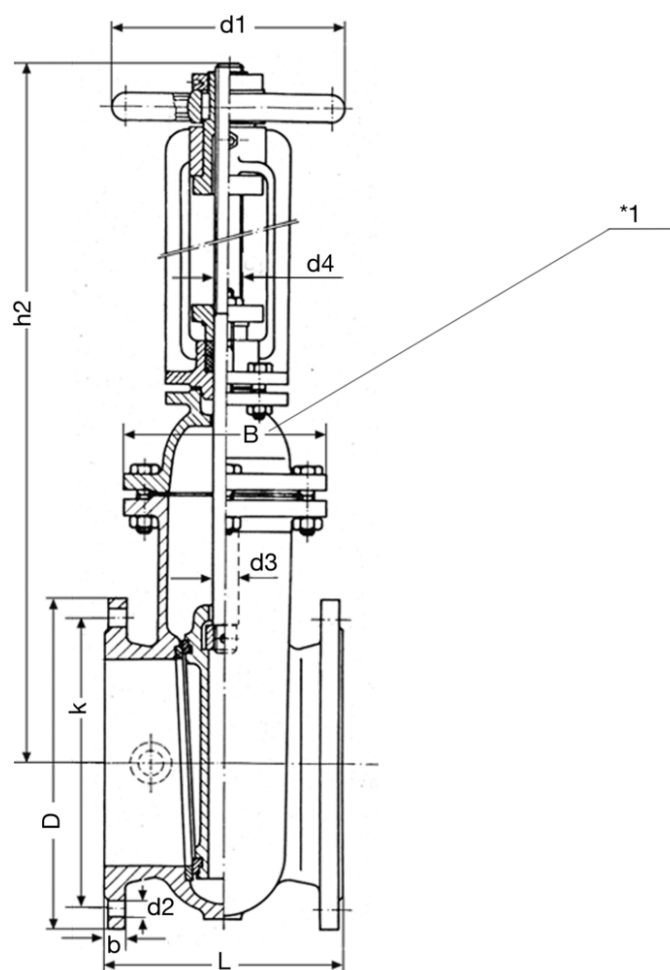
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...200	10	10	60
250...300	6	6	60
350...500	4	4	60
600...700	2.5	2.5	60
800	1.6	1.6	60
900...1200	1	1	60

Flange connection dimensions PN 10

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
15	10
9	6
6	4
4	2.5
2.4	1.6
1.5	1

Drawing



*1: Dimension "B" shown turned by 90°

Technical data

PN 10

DN		50	65	80	100	125	150	200
B	[mm]	175	190	210	240	275	320	370
D	[mm]	165	185	200	220	250	285	340
L	[mm]	150	170	180	190	200	210	230
b	[mm]	19	19	19	19	19	19	20
d1	[mm]	140	160	160	180	200	200	225
d2	[mm]	19	19	19	19	19	23	23
d3=d4	[mm]	16	18	18	20	22	22	26
h2 open	[mm]	360	490	520	600	720	800	1000
h2 closed	[mm]	310	400	420	480	580	620	780
k	[mm]	125	145	160	180	210	240	295
No. of holes		4	4	8	8	8	8	8
Turns/stroke		16	20	19	23	28	34	44
Weight with handwheel approx.	[kg]	13.0	19.0	24.0	31.0	39.0	43.0	75.0
Volume with handwheel approx.	[m ³]	0.010	0.020	0.020	0.020	0.040	0.050	0.070



Technical data

PN 6

DN		250	300
B	[mm]	440	490
D	[mm]	395	445
L	[mm]	250	270
b	[mm]	22	24.5
d1	[mm]	280	320
d2	[mm]	23	23
d3=d4	[mm]	26	28
h2 open	[mm]	1200	1410
h2 closed	[mm]	930	1080
k	[mm]	350	400
No. of holes		12	12
Turns/stroke		54	64
Weight with handwheel approx.	[kg]	110.0	142.0
Volume with handwheel approx.	[m ³]	0.110	0.160

PN 4

DN		350	400	450	500
B	[mm]	550	620	725	730
D	[mm]	505	565	615	670
L	[mm]	290	310	330	350
b	[mm]	24.5	24.5	25.5	26.5
d1	[mm]	360	360	400	500
d2	[mm]	23	28	28	28
d3=d4	[mm]	32	32	36	40
h2 open	[mm]	1700	1900	2180	2360
h2 closed	[mm]	1320	1470	1700	1820
k	[mm]	460	515	565	620
No. of holes		16	16	20	20
Turns/stroke		62	71	79	74
Weight with handwheel approx.	[kg]	188.0	260.0	335.0	410.0
Volume with handwheel approx.	[m ³]	0.320	0.390	0.520	0.790

PN 2.5

DN		600	700
B	[mm]	840	950
D	[mm]	780	895
L	[mm]	390	430
b	[mm]	30	32.5
d1	[mm]	500	640
d2	[mm]	31	31
d3=d4	[mm]	40	44
h2 open	[mm]	2690	3050
h2 closed	[mm]	2050	2300
k	[mm]	725	840
No. of holes		20	24
Turns/stroke		90	106
Weight with handwheel approx.	[kg]	590.0	996.0
Volume with handwheel approx.	[m ³]	1.030	1.670

VAG KFS Gate Valve with rising stem

metallic sealing - short face-to-face length - with handwheel



Waste water

Technical data

PN 1.6

DN		800
B	[mm]	1080
D	[mm]	1015
L	[mm]	470
b	[mm]	35
d1	[mm]	720
d2	[mm]	34
d3=d4	[mm]	50
h2 open	[mm]	3580
h2 closed	[mm]	2700
k	[mm]	950
No. of holes		24
Turns/stroke		105
Weight with handwheel approx.	[kg]	1336.0
Volume with handwheel approx.	[m ³]	2.500

PN 1

DN		900	1000	1200
B	[mm]	1190	1300	1550
D	[mm]	1115	1230	1455
L	[mm]	510	550	630
b	[mm]	37.5	40	45
d1	[mm]	800	800	800
d2	[mm]	34	37	41
d3=d4	[mm]	55	60	65
h2 open	[mm]	3940	4240	5170
h2 closed	[mm]	2980	3200	3900
k	[mm]	1050	1160	1380
No. of holes		28	28	32
Turns/stroke		105	116	124
Weight with handwheel approx.	[kg]	1536.0	2750.0	3260.0
Volume with handwheel approx.	[m ³]	3.370	3.970	5.740