



PN 1/1.6/2.5/4/6/10 - DN 80...1200

KAT-A 1131-AL-EA

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 electric actuator
- Adjustable stuffing box
- With drain plug

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
- With mechanical position indicator at electric actuator

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

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

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

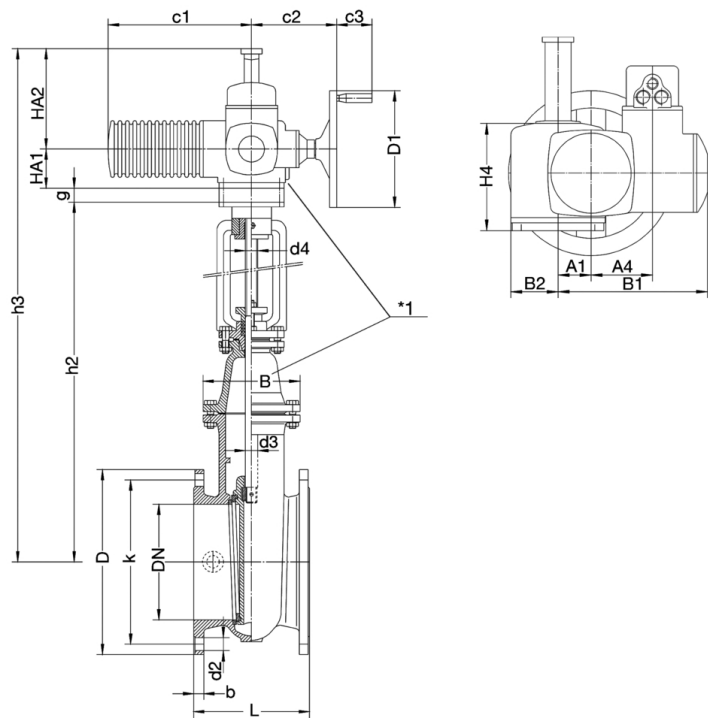
Flange connection dimensions PN 10

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: Actuator and dimension "B" shown turned by 90°



Technical data

PN 10

DN		80	100	125	150	200
Actuator		SA 07.5	SA 07.5	SA 07.5	SA 10.1	SA 10.1
Δp max differential pressure for operation	[bar]	10	10	10	10	10
A1	[mm]	40	40	40	50	50
A4	[mm]	103	103	103	103	103
B	[mm]	210	240	275	320	370
B1	[mm]	237	237	237	247	247
B2	[mm]	62	62	62	65	65
C1	[mm]	265	265	265	282	282
C2	[mm]	186	186	186	191	191
C3	[mm]	63	63	63	63	63
D	[mm]	200	220	250	285	340
D1	[mm]	160	160	160	200	200
H4	[mm]	155	155	155	168	168
HA1	[mm]	78	78	78	80	80
HA2	[mm]	195	195	195	195	195
L	[mm]	180	190	200	210	230
b	[mm]	19	19	19	19	20
d2	[mm]	19	19	19	23	23
d3=d4	[mm]	18	20	22	22	26
g	[mm]	40	40	40	50	50
h2	[mm]	390	496	572	618	703
h3	[mm]	695	775	880	1015	1190
k	[mm]	160	180	210	240	295
No. of holes		8	8	8	8	8
Turns/stroke		19	23	28	34	44
Weight with EA	[kg]	42	47	54	63	93
Volume with EA approx.	[m ³]	0.230	0.260	0.300	0.360	0.430

VAG KFS Gate Valve with rising stem

metallic sealing - short face-to-face length - with electric actuator



Waste water

Technical data

PN 6

DN		250	300
Actuator		SA 10.1	SA 14.1
Δp max differential pressure for operation	[bar]	6	6
A1	[mm]	50	63
A4	[mm]	103	117
B	[mm]	440	490
B1	[mm]	247	285
B2	[mm]	65	90
C1	[mm]	282	384
C2	[mm]	191	235
C3	[mm]	63	94
D	[mm]	395	445
D1	[mm]	200	315
H4	[mm]	168	213
HA1	[mm]	80	110
HA2	[mm]	195	205
L	[mm]	250	270
b	[mm]	22	24.5
d2	[mm]	23	23
d3=d4	[mm]	26	28
g	[mm]	50	65
h2	[mm]	880	1006
h3	[mm]	1405	1730
k	[mm]	350	400
No. of holes		12	12
Turns/stroke		54	64
Weight with EA	[kg]	130	179
Volume with EA approx.	[m ³]	0.510	0.870



Technical data

PN 4

DN		350	400	450	500
Actuator		SA 14.1	SA 14.5	SA 14.5	SA 14.5
Δp max differential pressure for operation	[bar]	4	4	4	4
A1	[mm]	63	63	63	63
A4	[mm]	117	117	117	117
B	[mm]	550	620	725	730
B1	[mm]	285	285	285	285
B2	[mm]	90	90	90	90
C1	[mm]	384	384	384	384
C2	[mm]	235	242	242	242
C3	[mm]	94	94	94	94
D	[mm]	505	565	615	670
D1	[mm]	315	400	400	400
H4	[mm]	213	213	213	213
HA1	[mm]	110	110	110	110
HA2	[mm]	205	205	205	205
L	[mm]	290	310	330	350
b	[mm]	24.5	24.5	25.5	26.5
d2	[mm]	23	28	28	28
d3=d4	[mm]	32	32	36	40
g	[mm]	65	65	65	65
h2	[mm]	1210	1287	1455	1530
h3	[mm]	1915	2060	2285	2420
k	[mm]	460	515	565	620
No. of holes		16	16	20	20
Turns/stroke		62	71	79	74
Weight with EA	[kg]	225	290	380	437
Volume with EA approx.	[m ³]	0.980	1.080	1.250	1.360

VAG KFS Gate Valve with rising stem

metallic sealing - short face-to-face length - with electric actuator



Waste water

Technical data

PN 2.5

DN		600	700
Actuator		SA 14.5	SA 14.5
Δp max differential pressure for operation	[bar]	2.5	2.5
A1	[mm]	63	63
A4	[mm]	117	117
B	[mm]	840	950
B1	[mm]	285	285
B2	[mm]	90	90
C1	[mm]	384	384
C2	[mm]	242	242
C3	[mm]	94	94
D	[mm]	780	895
D1	[mm]	400	400
H4	[mm]	213	213
HA1	[mm]	110	110
HA2	[mm]	205	205
L	[mm]	390	430
b	[mm]	30	32.5
d2	[mm]	31	31
d3=d4	[mm]	40	44
g	[mm]	65	65
h2	[mm]	1882	2100
h3	[mm]	2670	2960
k	[mm]	725	840
No. of holes		20	24
Turns/stroke		90	106
Weight with EA	[kg]	617	1017
Volume with EA approx.	[m ³]	1.720	2.210



Technical data

PN 1.6

DN		800
Actuator		SA 14.5
Δp max differential pressure for operation	[bar]	1.6
A1	[mm]	63
A4	[mm]	117
B	[mm]	1080
B1	[mm]	285
B2	[mm]	90
C1	[mm]	384
C2	[mm]	242
C3	[mm]	94
D	[mm]	1015
D1	[mm]	400
H4	[mm]	213
HA1	[mm]	110
HA2	[mm]	205
L	[mm]	470
b	[mm]	35
d2	[mm]	34
d3=d4	[mm]	50
g	[mm]	65
h2	[mm]	2425
h3	[mm]	3400
k	[mm]	950
No. of holes		24
Turns/stroke		105
Weight with EA	[kg]	1357
Volume with EA approx.	[m ³]	2.930

VAG KFS Gate Valve with rising stem

metallic sealing - short face-to-face length - with electric actuator



Waste water

Technical data

PN 1

DN		900	1000	1200
Actuator		SA 14.5	SA 14.5	SA 16.1
Δp max differential pressure for operation	[bar]	1	1	1
A1	[mm]	63	63	80
A4	[mm]	117	117	122
B	[mm]	1190	1300	1550
B1	[mm]	285	285	307
B2	[mm]	90	90	115
C1	[mm]	384	384	510
C2	[mm]	242	242	260
C3	[mm]	94	94	94
D	[mm]	1115	1230	1455
D1	[mm]	400	400	500
H4	[mm]	213	213	253
HA1	[mm]	110	110	130
HA2	[mm]	205	205	205
L	[mm]	510	550	630
b	[mm]	37.5	40	45
d2	[mm]	34	37	41
d3=d4	[mm]	55	60	65
g	[mm]	65	65	80
h2	[mm]	2695	3000	3710
h3	[mm]	3755	4170	5085
k	[mm]	1050	1160	1380
No. of holes		28	28	32
Turns/stroke		105	116	124
Weight with EA	[kg]	1557	1757	3400
Volume with EA approx.	[m ³]	3.640	4.510	7.040