

PN 10/16 - DN 50...1200

KAT-A 1130-IL

Product characteristics and benefits

- Metallic sealing in accordance with EN 1171 (DIN 3352 - Part 2)
- 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, PN 10 respectively PN 16 < = DN 600
- Stem thread inside
- With handwheel
- 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 O-ring sealing for underground installation
- With mechanical position indicator
- With bypass

Field of Application

- Underground installation
- 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...600	16	16	60
50...1200	10	10	60

Flange connection dimensions PN 10 and/or PN 16

Pressure test acc. to EN 12266

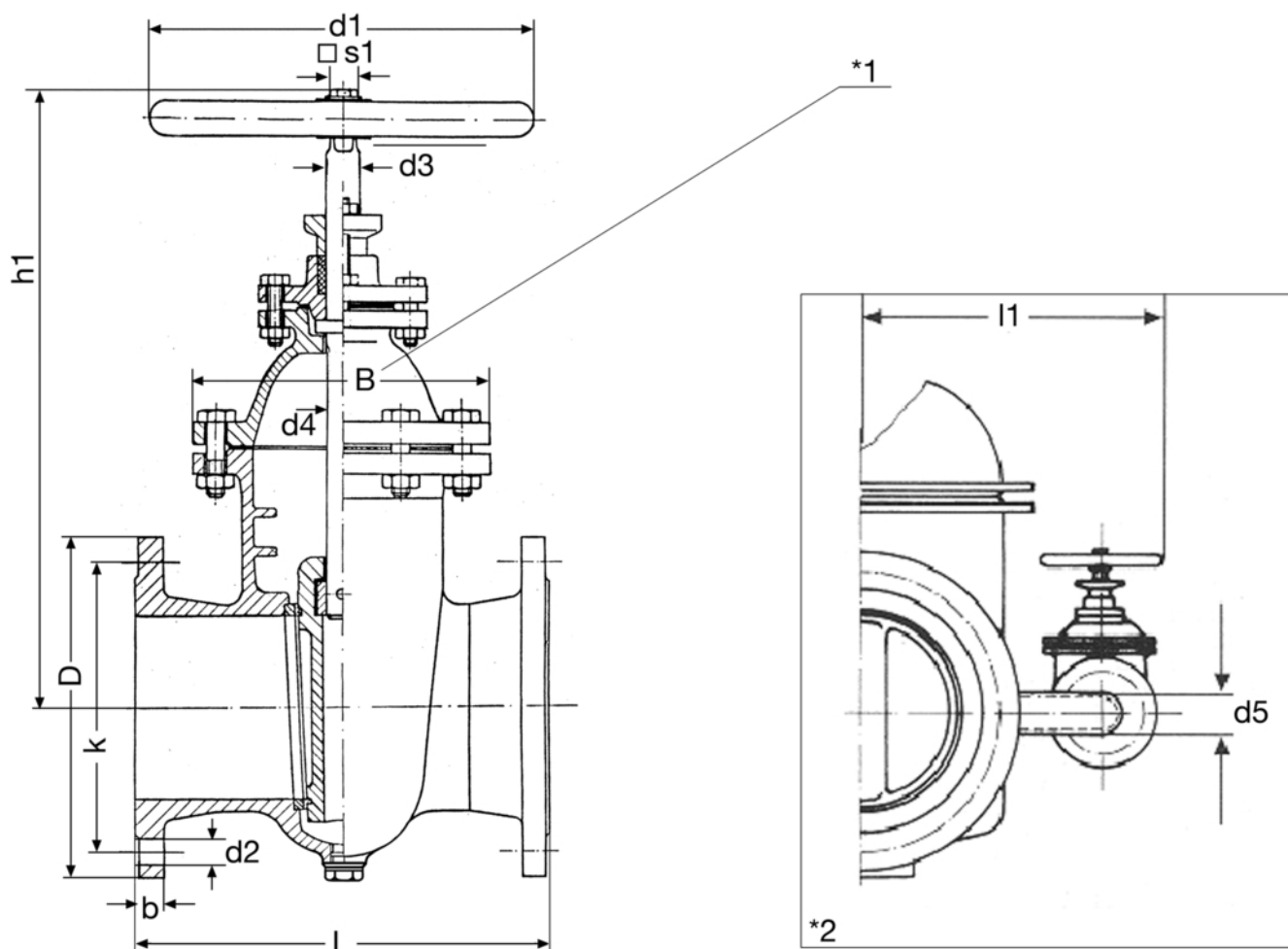
Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6
15	11

VAG KOS Gate Valve, oval type, with non-rising stem

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

Waste water

Drawing



*1: Dimension "B" shown turned by 90°

*2: DN 350...1200 Version with bypass available as an option. Attention: For the version without bypass, gear units may be required for operation.



Technical data

PN 16

DN		50	65	80	100	125	150	200	250	300	350	400	450
B	[mm]	160	205	220	260	295	330	400	460	550	585	670	720
D	[mm]	165	185	200	220	250	285	340	405	460	520	580	640
L	[mm]	250	270	280	300	325	350	400	450	500	550	600	650
b	[mm]	19	19	19	19	19	19	20	22	24.5	26.5	28	30
d1	[mm]	180	225	225	280	320	320	360	400	500	500	640	640
d2	[mm]	19	19	19	19	19	23	23	28	28	28	31	31
d3/4	[mm]	20	24	24	26	28	28	32	36	36	40	44	44
d5	[mm]	-	-	-	-	-	-	-	-	-	40	40	40
h1	[mm]	265	320	335	380	450	480	600	710	800	890	1000	1100
k	[mm]	125	145	160	180	210	240	295	355	410	470	525	585
l1	[mm]	-	-	-	-	-	-	-	-	-	440	480	510
s1	[mm]	14	17	17	19	19	19	24	27	27	27	32	32
No. of holes		4	4	8	8	8	8	12	12	12	16	16	20
Turns/stroke		18	18	21	24	30	36	38	47	56	55	62	70
Weight with handwheel approx.	[kg]	18.0	25.0	33.0	42.0	61.0	81.0	124.0	182.0	240.0	332.0	465.0	615.0
Volume with handwheel approx.	[m ³]	0.020	0.020	0.030	0.030	0.040	0.060	0.110	0.170	0.290	0.340	0.420	0.590

PN 16

DN		500	600
B	[mm]	820	960
D	[mm]	715	840
L	[mm]	700	800
b	[mm]	31.5	36
d1	[mm]	720	720
d2	[mm]	34	37
d3/4	[mm]	50	50
d5	[mm]	50	65
h1	[mm]	1200	1360
k	[mm]	650	770
l1	[mm]	530	685
s1	[mm]	36	36
No. of holes		20	20
Turns/stroke		68	82
Weight with handwheel approx.	[kg]	725.0	1010.0
Volume with handwheel approx.	[m ³]	0.700	1.000

VAG KOS Gate Valve, oval type, with non-rising stem

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



Waste water

Technical data

PN 10

DN		50	65	80	100	125	150	200	250	300	350	400	450
B	[mm]	160	205	220	260	295	330	400	460	550	585	670	720
D	[mm]	165	185	200	220	250	285	340	395	445	505	565	615
L	[mm]	250	270	280	300	325	350	400	450	500	550	600	650
b	[mm]	19	19	19	19	19	19	20	22	24.5	24.5	24.5	25.5
d1	[mm]	180	225	225	280	320	320	360	400	500	500	640	640
d2	[mm]	19	19	19	19	19	23	23	23	23	23	28	28
d3/4	[mm]	20	24	24	26	28	28	32	36	36	40	44	44
d5	[mm]	-	-	-	-	-	-	-	-	-	40	40	40
h1	[mm]	265	320	335	380	450	480	600	710	800	890	1000	1100
k	[mm]	125	145	160	180	210	240	295	350	400	460	515	565
l1	[mm]	-	-	-	-	-	-	-	-	-	440	480	510
s1	[mm]	14	17	17	19	19	19	24	27	27	27	32	32
No. of holes		4	4	8	8	8	8	8	12	12	16	16	20
Turns/stroke		18	18	21	24	30	36	38	47	56	55	62	70
Weight with handwheel approx.	[kg]	18.0	25.0	33.0	42.0	61.0	81.0	124.0	182.0	240.0	332.0	465.0	615.0
Volume with handwheel approx.	[m ³]	0.020	0.020	0.030	0.030	0.040	0.060	0.110	0.170	0.290	0.340	0.420	0.590

PN 10

DN		500	600	700	800	900	1000	1200
B	[mm]	820	960	1030	1160	1260	1400	1655
D	[mm]	670	780	895	1015	1115	1230	1455
L	[mm]	700	800	900	1000	1100	1200	1400
b	[mm]	26.5	30	32.5	35	37.5	40	45
d1	[mm]	720	720	800	800	800	900	1000
d2	[mm]	28	31	31	34	34	37	41
d3/4	[mm]	50	50	55	60	65	70	85
d5	[mm]	50	65	65	80	100	100	125
h1	[mm]	1200	1360	1550	1780	1960	2150	2520
k	[mm]	620	725	840	950	1050	1160	1380
l1	[mm]	530	685	735	780	870	930	1055
s1	[mm]	36	36	41	41	46	50	60
No. of holes		20	20	24	24	28	28	32
Turns/stroke		68	82	82	94	95	105	107
Weight with handwheel approx.	[kg]	725.0	1010.0	1346.0	1836.0	2436.0	3590.0	5260.0
Volume with handwheel approx.	[m ³]	0.700	1.000	1.400	2.000	2.700	3.600	5.800