

Soft-seated gate valves

Soft-seated gate valve according to DIN 1171

Face-to-face length GR 14/15 according to DIN EN 558

DN 40-400, PN 10 and PN 16

Flanged connections



Specifications

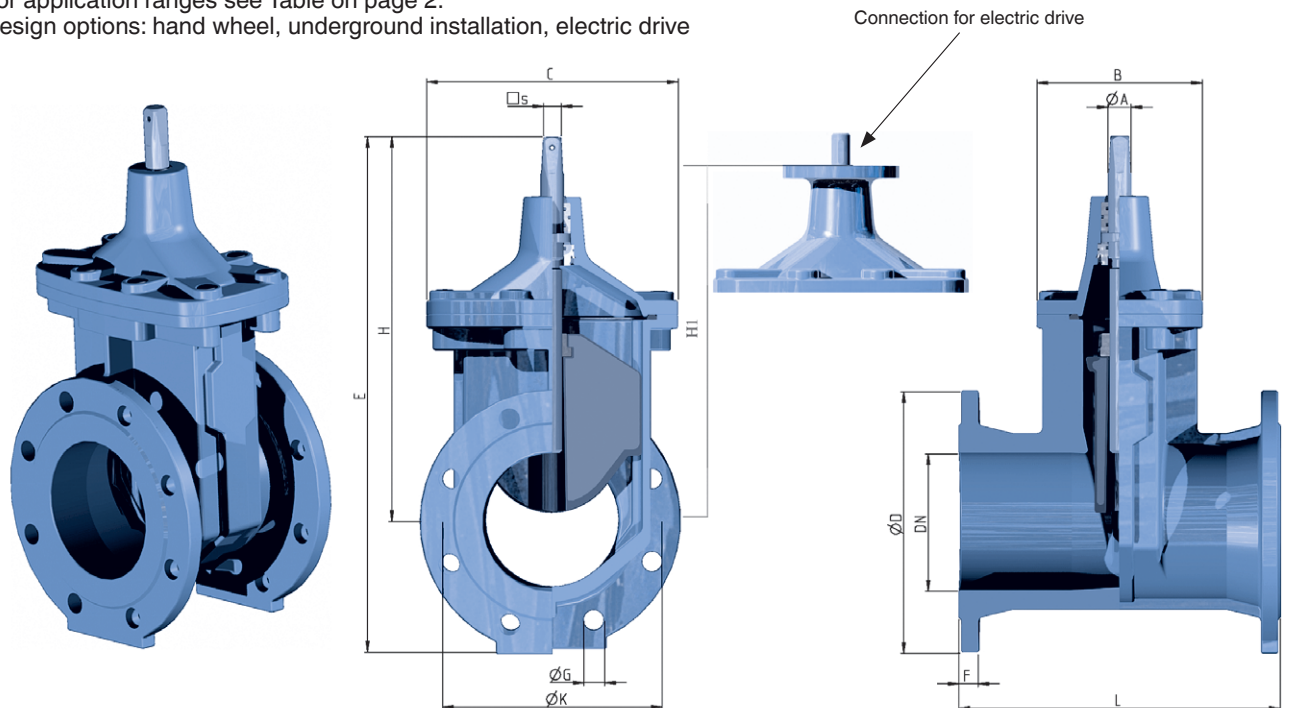
DIN DVGW conformity mark, DN 40–300: gas: NG-4313BR0534 / CE-0085BR0540, water: NW-6108BS0039 / DN 400: water: NW-6202BQ0533

Keula gate valves are manufactured according to DIN 1171, Cat. 2, PN10/16 and in face-to-face lengths GR 14/GR 15 according to DIN 558. Flange design and dimensions comply with DIN EN 1092-2, PN10/16.

The stem bearing is of a maintenance-free design. Coated anti-friction discs (bonze/PTFE) ensure excellent actuating torque characteristics.

For application ranges see Table on page 2.

Design options: hand wheel, underground installation, electric drive

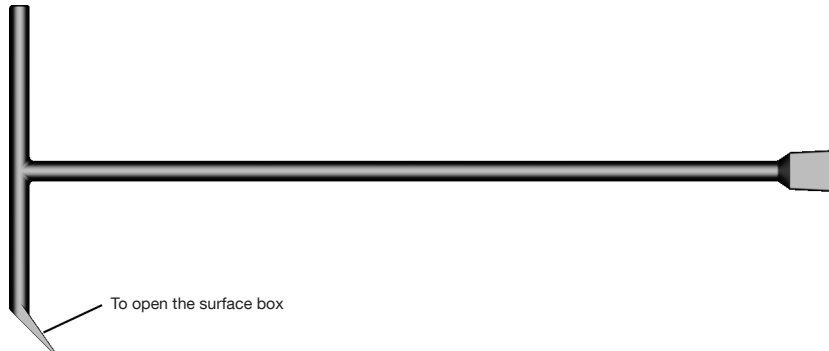


DN	PN	Face-to-face length L		A	B	C	D	E	F	G	Qty.	H	H1	K	S	Weight in kg	
		GR14	GR15													GR14	GR15
40	10/16	140	240	18	96	165	150	274	19	19	4	196	–	110	14	10.4	10.7
50	10/16	150	250	18	96	165	165	313	19	19	4	196	–	125	14	11.0	12.0
65	10/16	170	270	25	139	166	185	383	19	19	4	290	245	145	17	16.8	18.2
80	10/16	180	280	25	139	166	200	390	19	19	8	290	245	160	17	18.5	19.5
100	10/16	190	300	25	151	186	220	430	19	19	8	320	275	180	19	23.7	25.0
125	10/16	200	325	25	160	225	250	445	19	19	8	320	275	210	19	28.1	31.5
150	10/16	210	350	25	180	275	285	553	19	23	8	410	360	240	19	43.3	48.3
200	10	230	400	32	195	330	340	690	20	23	8	520	470	295	24	63.0	75.6
200	16	230	400	32	195	330	340	690	20	23	12	520	470	295	24	70.6	81.0
250	10	250	450	32	236	414	400	820	22	23	12	620	550	350	27	99.5	113.0
250	16	250	450	32	236	414	400	820	22	28	12	620	550	355	27	105.5	119.0
300	10	270	500	32	260	480	455	915	24.5	23	12	685	625	400	27	135.5	155.5
300	16	270	500	32	260	480	455	915	24.5	28	12	685	625	410	27	145.5	166.5
400	10	310	600	47	240	580	565	1282	24.5	28	16	1000	–	515	32	290.0	320.0
400	16	310	600	47	240	580	580	1290	24.5	32	16	1000	–	515	32	290.0	320.0

Actuating wrenches

For hydrants, gate valves and butterfly valves

Type C for underground hydrants, gate valves and butterfly valves



Description of a type C wrench for underground hydrants, gate valves and butterfly valves: **C-type wrench as per DIN 3223**

Surface box for gate valves

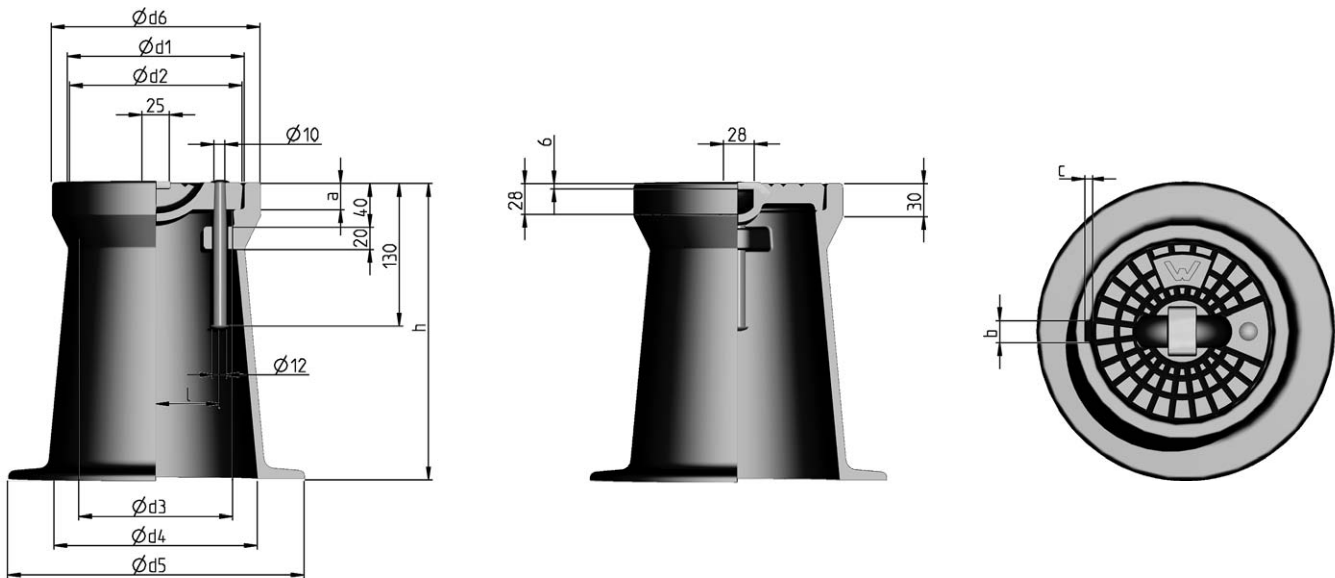
Size 1/2
DIN 4056

Material

Grey cast iron EN GJL 200

Surface protection

Black alkyd resin coating



Description of a surface box for gate valves and butterfly valves, size 1: **Surface box as per DIN 4056-1**

Size	a±1	b	c	d1 +0.5 -1.5	d2 +0.5 -1.5	d3	d4	d5	d6	h	l
1	24	20	5	161	157	140	185	270	190	270	58
2*	35	25	6	240	236	210	250	350	265	310	92

* Size 2 on request

Tender text

Soft-seated gate valve

According to DIN EN 1171 for use in biogas pipelines with H₂S content up to 3076 mg/m³*
Face-to-face length GR 14/15 according to DIN EN 558
DN 40-400, PN 10/16



Brief description	Full description	Unit
<p>Gate valve Face-to-face length GR 14/15 according to DIN EN 558 DN 40-400, PN 10/16 Gate valve according to DIN EN 1171 Test: PG1 – Standard PG2 and PG3 on request</p> <p>Body and bonnet – EN-GJS-400-15 – Flanges according to DIN EN 1092-2 – Integral coating: internal and external epoxy resin powder coating, compliant with GSK regulations, or enamelling</p> <p>Wedge – EN-GJS-400-15 – All-round rubber-coated with NBR</p> <p>Stem – V4A X6CrNiMoTi17122 – Maintenance-free stem bearing</p> <p>Stem screw nut – Bronze</p> <p>Actuation – Manual – Electric – Stem extension kit for underground installation</p> <p>Operating temperature range – Epoxy resin: up to 50 °C – Enamel: up to 60 °C</p>	<p>Soft-seated gate valve Face-to-face length GR 14/15 according to DIN EN 558 DN 40-400, PN 10/16 Gate valve according to DIN EN 1171 Test: according to DIN 3230 T.5 PG1 – Standard PG2 and PG3 on request</p> <p>Body and bonnet – Cast iron EN-GJS-400-15 according to DIN EN 1563 – Flanges according to DIN EN 1092-2 – Integral coating Internal and external epoxy resin powder coating, compliant with GSK regulations, colour: sky blue (RAL 5015), according to DIN 3476, minimum layer thickness of 250 µm or enamelling, colour: cobalt blue (RAL 5013), according to DIN 51178</p> <p>Wedge – Cast iron EN-GJS-400-15 according to DIN EN 1563 – All-round rubber-coated with NBR</p> <p>Stem – V4A X6CrNiMoTi17122 1.4571 – Stem bearing with St/Bz/PTFE composite anti-friction discs and maintenance-free bearing w/o media contact</p> <p>Stem screw nut – Bronze CuSn12Ni2 2.1060.01</p> <p>Actuation – Manual with hand wheel acc. to DIN 3220 – Electric drive with automatic end-of-travel turn-off in Open/Close operating mode, travel-distance and torque-dependent – Stem extension kit for underground installation</p> <p>Operating temperature range – Epoxy resin: up to 50 °C – Enamel: up to 60 °C</p>	<p>pc.</p>

* Please submit analysis of conveyed medium and information on working temperature and moisture before ordering to enable us to check suitability of our gate valves for your application.