

EN- Technical data sheet

Air regulator gates

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Article code

20	2	1	045
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Diameter

08	DN 80
10	DN 100
12	DN 120
...	
63	DN 630

②

Thickness

1	1.5 mm
2	2.0 mm

③

Surface

1	1.0330, powder-coated
2	1.0330, electro-galvanized
3	1.4301, shot-blasted

④

Article group

045	Air regulator gates, pressed
0457	Air regulator gates, bolted (from DN 315)

1 Technical data

Area of application and use	Control of air volume flows in ventilation lines
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Connection	Both sides with flanged edges (<i>lips</i>) for clamping ring connection
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Materials	
Case	According to article number 1.0330 (DC01) or 1.4301 (X5CrNi18-10) in specified material thickness
Gate	DN 80 - DN 300: made of 1.0330 (DC01) or 1.4301 (X5CrNi18-10) in thickness $t = 3 \text{ mm}$ DN 315 - DN 630: made of 1.0038 (S235JR) or 1.4301 (X5CrNi18-10) in thickness $t = 4 \text{ mm}$

Surfaces and temperature			
	Powder Coating (1.0330)	Electro Galvanizing (1.0330)	Stainless Steel Shot Blasting (1.4301)
Surface treatment	Standard colour: RAL 7032 ("pebble grey"); smooth, satin-gloss, electrostatically dissipative; food physiologically harmless. average layer thickness: 30 - 60 μm	Average layer thickness: 8 – 12 μm	Surface roughness Ra: 1.3 μm
Ambient temperature	-20°C to +120°C <i>(from +80°C impairments of the appearance are to be expected)</i>	-20°C to +120°C <i>(possible for short periods up to max. +120°C)</i>	-20°C to + 200°C
Product temperature*	-20°C to +120°C <i>(from +80°C impairments of the appearance are to be expected)</i>	-20°C to 120°C <i>(possible for short periods up to max. +120°C)</i>	-20°C to + 200°C

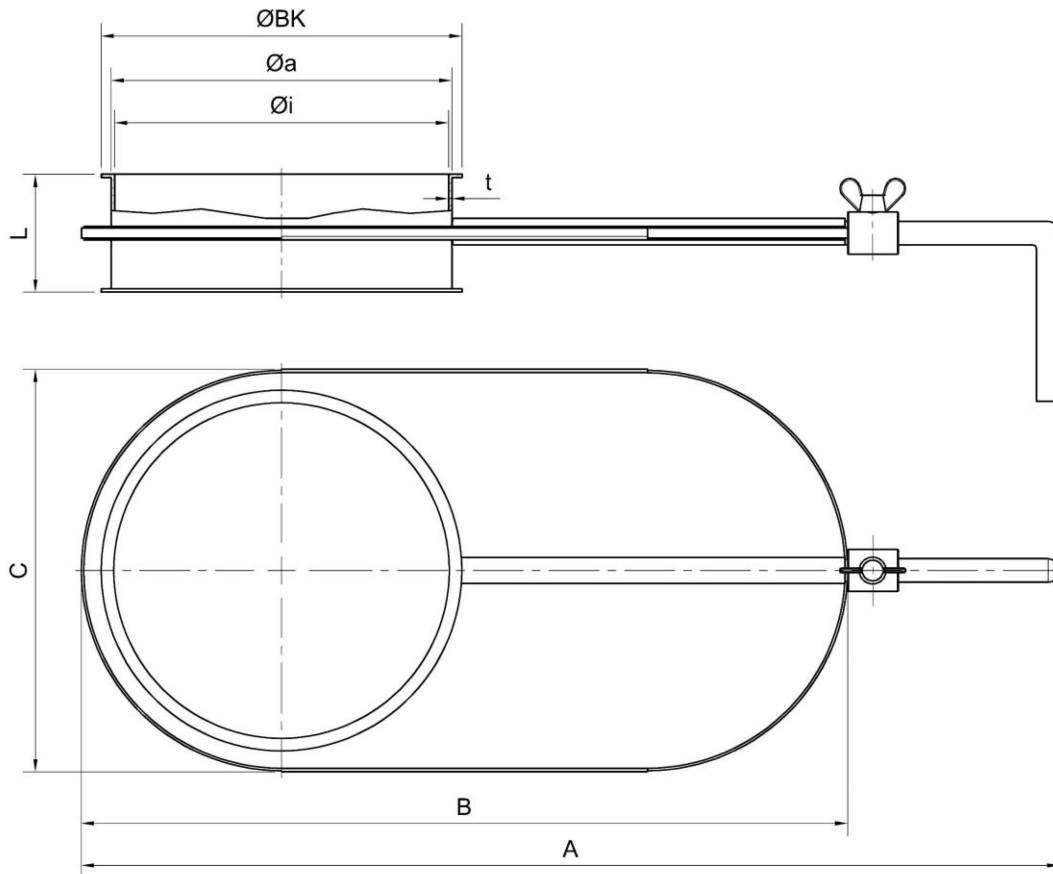
Actuation	Handle for manual, infinitely variable control Regulator gate lockable via wing nut
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*Note: If product temperatures exceed 50°C, the manual control or drive must be insulated against heat conduction on site.

2 Dimensions

Dimension table: DN 80 – DN 300

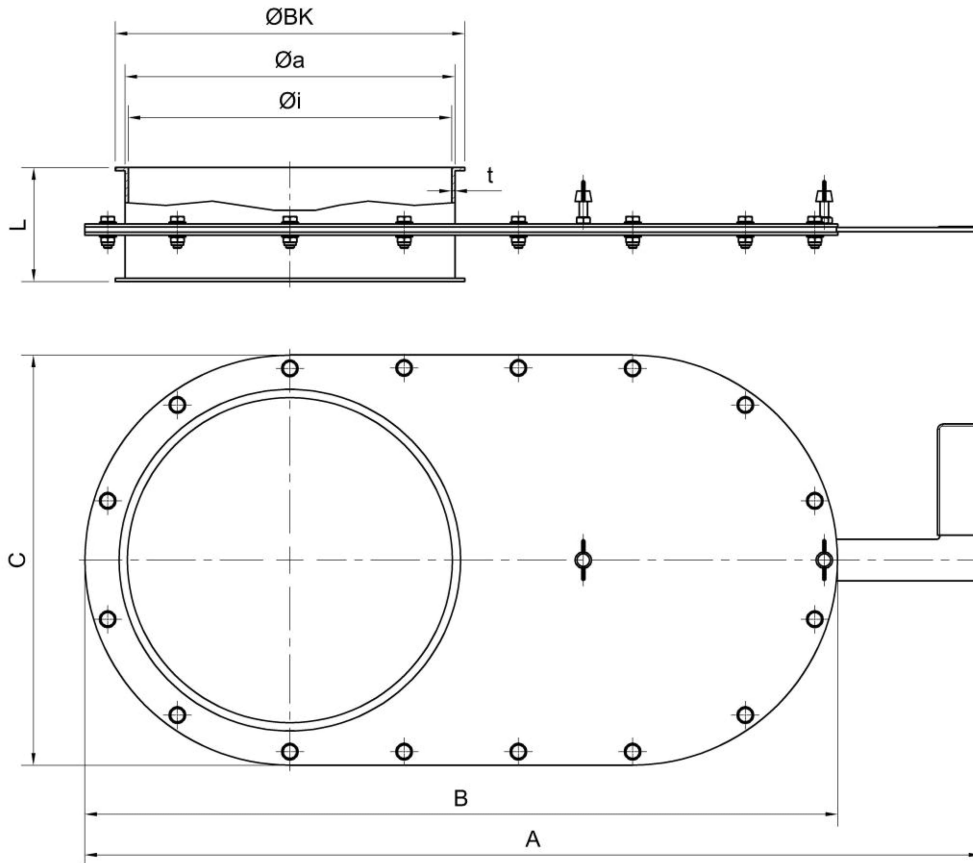
pictured version: DN 200



DN	t [mm]	Øi [mm]	Øa [mm]	ØBK [mm]	A [mm]	B [mm]	C [mm]	L [mm]	m [kg]
80	1,5	77,5	80,5	92,5	305	210	115	50	0,9
100		99,5	102,5	114,5	340	245	135	58	1,2
120		119,5	122,5	134,5	380	285	155	58	1,5
140		135,5	138,5	150,5	440	345	185	70	2,4
150		149,5	152,5	164,5	440	345	185	70	2,3
160		159,5	162,5	174,5	496	400	210	70	2,9
175		174,5	177,5	189,5	496	400	210	70	2,6
200		199,5	202,5	214,5	550	455	235	70	3,3
224		219,5	222,5	234,5	650	555	285	70	4,9
250		249,5	252,5	264,5	650	555	285	100	4,9
280		278,5	281,5	293,5	750	655	335	100	6,4
300		299,5	302,5	314,5	750	655	335	100	7,6

Dimension table: DN 315 – DN 630

pictured version: DN 200



DN	t [mm]	Øi [mm]	Øa [mm]	ØBK [mm]	A [mm]	B [mm]	C [mm]	L [mm]	m [kg]
315	2	313	317	329	805	725	395	100	15,7
350		349	353	365	870	790	430		18,2
400		399	403	415	970	890	480		23,2
450		449	453	465	1075	995	530		28,3
500		499	503	515	1175	1095	580		33
560		558	562	574	1295	1215	640		39,3
630		628	632	644	1435	1355	710		47,2

Tolerances

Pipe diameter and roundness according to DIN EN 10296-1:2004
Length and angular dimensions according to DIN ISO 2768-v (very coarse)
Lips: 6 mm ± 1 mm

3D-Models

All 3D-models are available for download in our [CAD portal](#) in the common file formats.