

EN- Technical data sheet

Throttle valve without seal, manually operated

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Article code

20	1	1	2121
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Diameter

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

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Thickness

1	1.5 mm
2	2.0 mm (from DN 315)

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Surface

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

④

Article group

2121	Throttle valve without seal, manually operated
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1 Technical data

Area of application and use	Control of air volume flows in ventilation systems (overpressure max. 0.03 bar) as well as free-flowing, powdery or granular bulk materials (KSt value max. 160 bar m/sec) by operating the flap
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Connection	Both sides with flanged edges (<i>lips</i>) for clamping ring connections.
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Materials	
Case	According to article number 1.0330 (DC01) or 1.4301 (X5CrNi18-10) in specified material thickness
Flap	Made of 1.0038 (S235JR) or 1.4301 (X5CrNi18-10) in thickness t = 4 mm
Flap seal	Without seal
Shaft seal	On the drive side with two O-rings made of FKM/FPM (Viton), other side without seal with welded-on, closed bushing

Surfaces and temperature			
	Powder Coating (1.0330)	Electrogalvanizing (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 (from +80°C impairment of the appearance is to be expected)	-20°C to +80°C (possible for short periods up to max. +120°C)	-20°C to + 200°C
Product temperature*	20°C to +120°C (from +80°C impairment of the appearance is to be expected)	-20°C to +80°C (possible for short periods up to max. +120°C)	-20°C to + 200°C

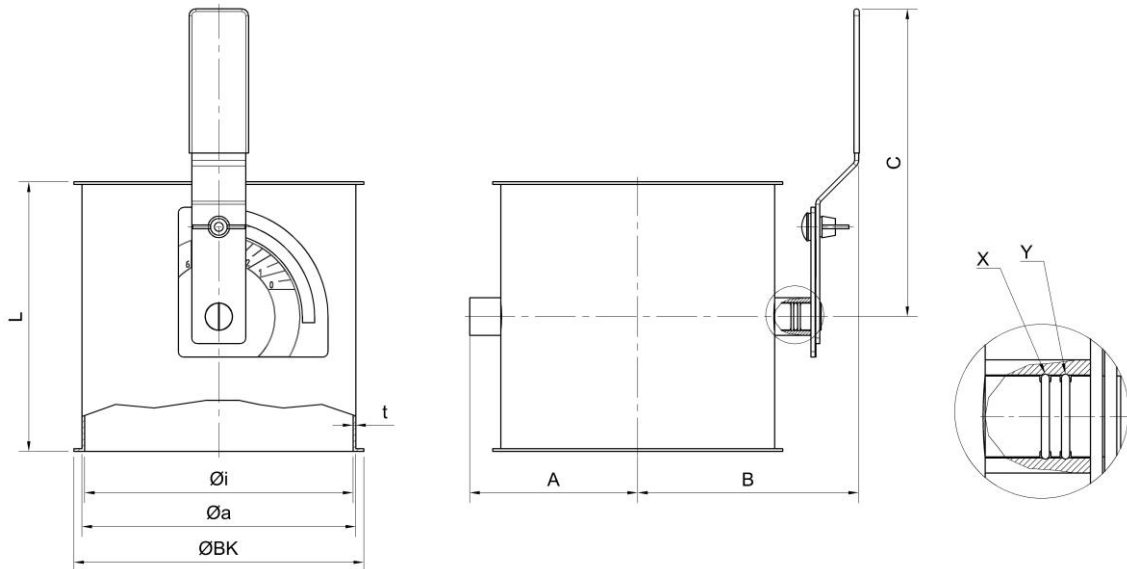
Actuation	Hand lever for manual, infinitely variable control Hand lever lockable via wing nut
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**Note: If product temperatures exceed 50°C, the manual control or drive must be insulated against heat conduction on site.*

2 Dimensions

Dimension table

pictured version: DN 200



Y= O-ring made of FKM/FPM (Viton), colour: black

Z= O-ring made of FKM/FPM (Viton), colour: black

DN	t [mm]	Øi [mm]	Øa [mm]	ØBK [mm]	L [mm]	A [mm]	B [mm]	C [mm]	m [kg]
80	1,5	77,5	80,5	92,5	80	63,3	106,1	228	1,3
100		100	103	115	100	74,3	117,1		1,6
120		120	123	135	120	84,3	127,1		1,8
140		136	139	151	140	92,3	135,1		2,1
150		150	153	165	150	99,3	142,1		2,4
160		160	163	175	160	104,3	147,1		2,6
175		175	178	190	175	112	154,6		2,9
200		200	203	215	200	124,3	167,1		3,5
224		220	223	235	200	134,3	177,1		3,8
250		250	253	265	200	149,3	192,1		4,4
280		279	282	294	200	164	206,6		5
300		300	303	315	200	174,3	217,1		5,5
315	2	313	317	329	200	181,5	224,4		6,4
350		349	353	365	200	199,5	242,4		7,6
400		399	403	415	200	224,5	267,4		9
450		449	453	465	200	249,5	292,4		10,9
500		499	503	515	200	274,5	317,4		12,6
560		558	562	574	200	304	346,9		14,7
630		628	632	644	200	339	381,9		16,8

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.