

EN- Technical data sheet

Throttle valve with seal, manually operated

NORO Gesellschaft für Rohrsysteme mbH
 Kruppstraße 1 | 49453 Rehden | Germany
info@noro-rohre.de | www.noro-rohre.de



Article code

20	2	1	2128
-----------	----------	----------	-------------

①

②

③

④

①

Diameter

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

②

Thickness

1	1.5 mm (<i>DN 80 only</i>)
2	2.0 mm

③

Surface

1	1.0330, powder-coated
3	1.4301, shot-blasted

④

Article group

2128	Throttle valve with seal, manually operated
-------------	--

1 Technical data

Area of application and use	Dust-tight control of air volume flows in ventilation systems (overpressure max. 0.03 bar) as well as free-flowing, powdery or granular bulk materials by operating the flap.
------------------------------------	---

Connection	Both sides with flanged edges (<i>lips</i>) for clamping ring connections.
-------------------	--

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 $t = 4 \text{ mm}$
Flap seal	Silicone profile seal, transparent, 60 ± 5 Shore A
Shaft seal	Drive side with two O-rings made of FKM/FPM (Viton), other side without seal with welded-on, closed bushing

Surfaces and temperature		
Surface treatment	Powder Coating (1.0330)	Stainless Steel Shot Blasting (1.4301)
	Standard colour: RAL 7032 ("pebble grey"); smooth, satin-gloss, electrostatically dissipative; Food physiologically harmless; Average layer thickness: $30 - 60 \text{ }\mu\text{m}$	Surface roughness R_a : $1.3 \text{ }\mu\text{m}$
Ambient temperature	-20°C to $+120^{\circ}\text{C}$ (from $+80^{\circ}\text{C}$ impairment of the appearance is to be expected)	-20°C to $+200^{\circ}\text{C}$
Product temperature*	-20°C to $+120^{\circ}\text{C}$ (from $+80^{\circ}\text{C}$ impairment of the appearance is to be expected)	-20°C to $+180^{\circ}\text{C}$

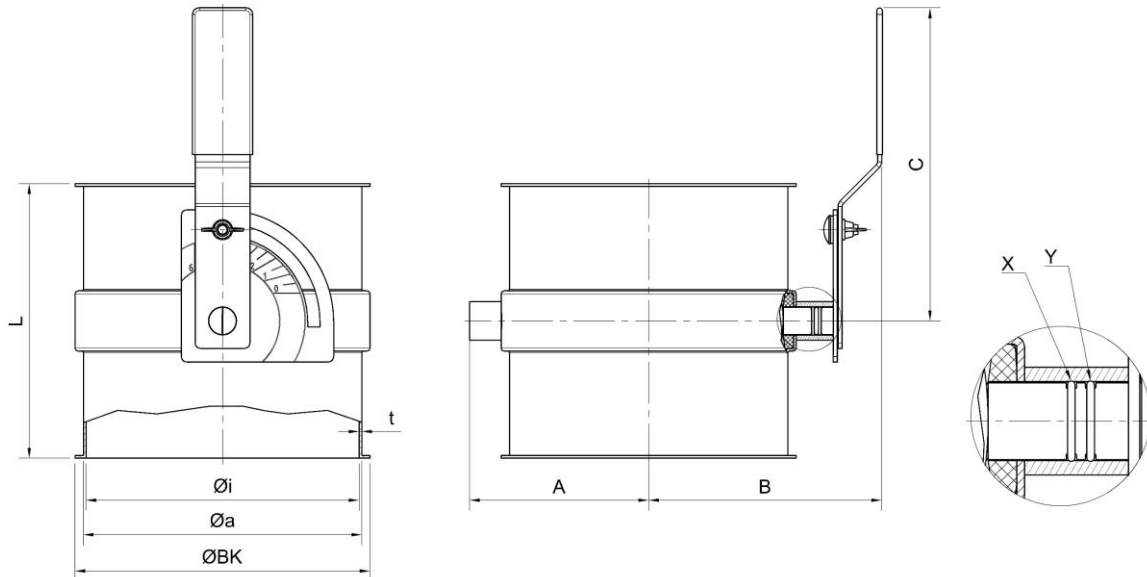
Actuation	Hand lever for manual, infinitely variable control Hand lever lockable via wing nut
------------------	--

**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



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

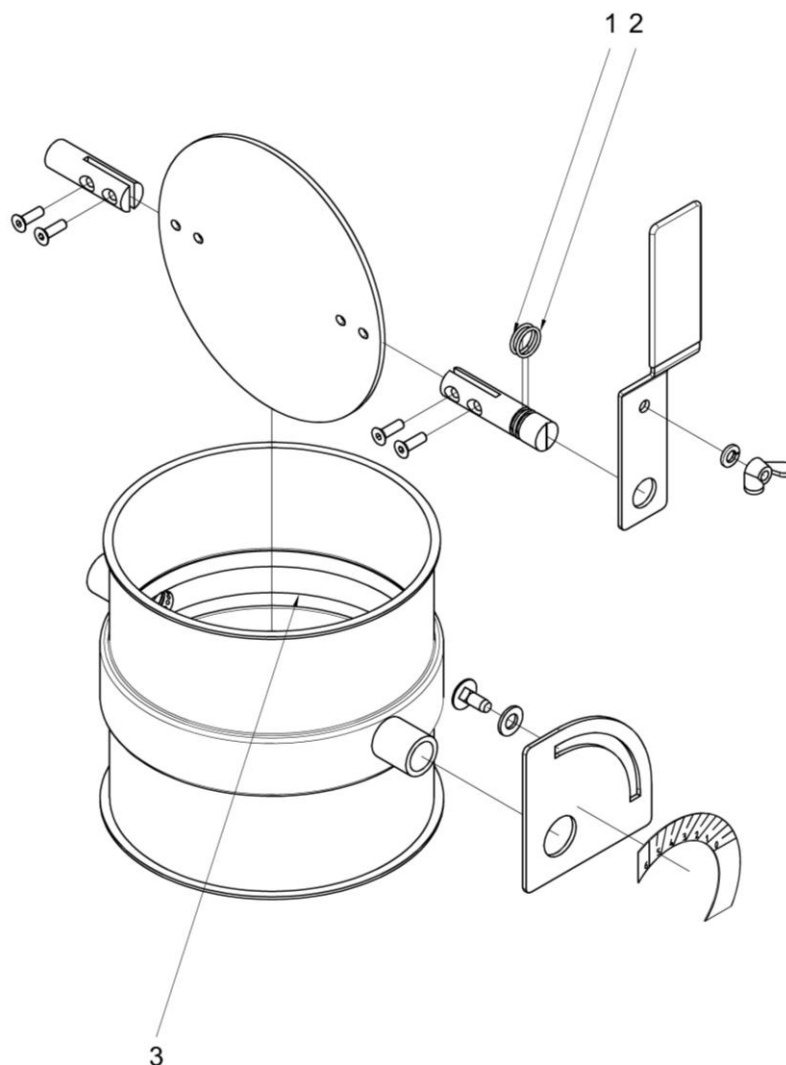
Y= O-ring made of FKM/FPM (Viton), colour: black

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	72,3	115,1	228	1,6
100	2	99	103	115	100	83,5	126,4		1,9
120		119	123	135	120	91	133,9		2,1
140		135	139	151	140	101,5	144,4		2,8
150		149	153	165	150	106	148,9		2,7
160		159	163	175	160	113,5	156,4		3,4
175		174	178	190	175	121	163,9		3,8
200		199	203	215	200	131	173,9		4,1
224		219	223	235	200	143,5	186,4		3,9
250		249	253	265	200	156	198,9		5,1
280		278	282	294	200	173	215,9		6,5
300		299	303	315	200	181	223,9		6,3
315		313	317	329	200	190,5	233,4		7,4
350		349	353	365	200	208,5	251,4		8,5
400		399	403	415	200	233,5	276,4		10,2
450		449	453	465	200	258,5	301,4		11,9
500		499	503	515	200	283,5	326,4		13,7
560		558	562	574	200	313	355,9		16,3
630		628	632	644	200	348	390,9		19,5

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.

3 Spare parts list

Exploded view



No.	Naming	Quantity	DN 80 – DN 630	
			1.0330	1.4301
1	O-ring made of FKM/FPM (Viton)	1	SO0129114	
2	O-ring made of FKM/FPM (Viton)	1	SO0129114	
3	Flap seal	(see table, p.6)		

Flap seal (item no.: 3)			
DN	Required length [m]	Quantity* [m]	Article
80	281	1	SO0116014
100	352		
120	415		
140	465		
150	509		
160	540		
175	587		
200	666		
224	738		
250	823		
280	914		
300	980	2	
315	1024		
350	1137		
400	1294		
450	1451		
500	1608		
560	1794		
630	2014	3	

**Note: Flap seal is offered by the meter.*