

EN- Technical data sheet

Bagging valves without 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	083
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Diameter

08	DN 80
10	DN 100
12	DN 120
...	
30	DN 300

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Thickness

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

③

Surface

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

④

Article group

083	Bagging valves without seal, manually operated
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1 Technical data

Area of application and use	For controlled emptying and filling of free-flowing, powdery or granular bulk materials. To be used only in a vertical installation position ("free fall"). Only for dry bulk materials with a residual moisture of max. 15%.
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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 $t = 4 \text{ mm}$
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)	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 (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

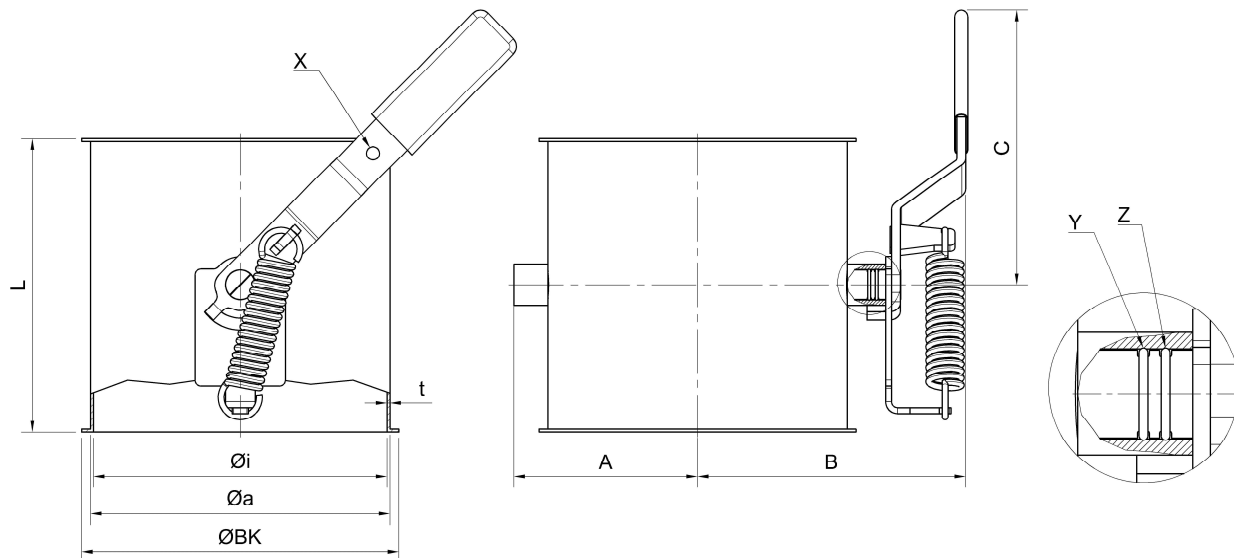
Actuation	Hand lever with spring for manual operation. Can be combined with cable or chain pull actuation.
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**Note: If product temperatures exceed 50°C, the manual control or drive must be insulated against heat conduction on site.*

2 Dimensions

Dimension table

pictured version: DN 200



X= hole for changeover device

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]	A [mm]	B [mm]	C [mm]	L [mm]	m [kg]
80	1,5	77,5	80,5	92,5	63	126	187	80	1,1
100	2	99	103	115	75	138		100	1,6
120		119	123	135	85	148		120	1,9
140		135	139	151	93	156		140	2,2
150		149	153	165	100	163		150	2,5
160		159	163	175	105	168		160	2,7
175		174	178	190	112	175		175	3,1
200		199	203	215	125	188		200	3,8
224		219	223	235	135	198		224	4,5
250		249	253	265	150	213		250	5,5
280		278	282	294	164	227		280	5,6
300		299	303	315	175	238		300	7,5

Tolerances

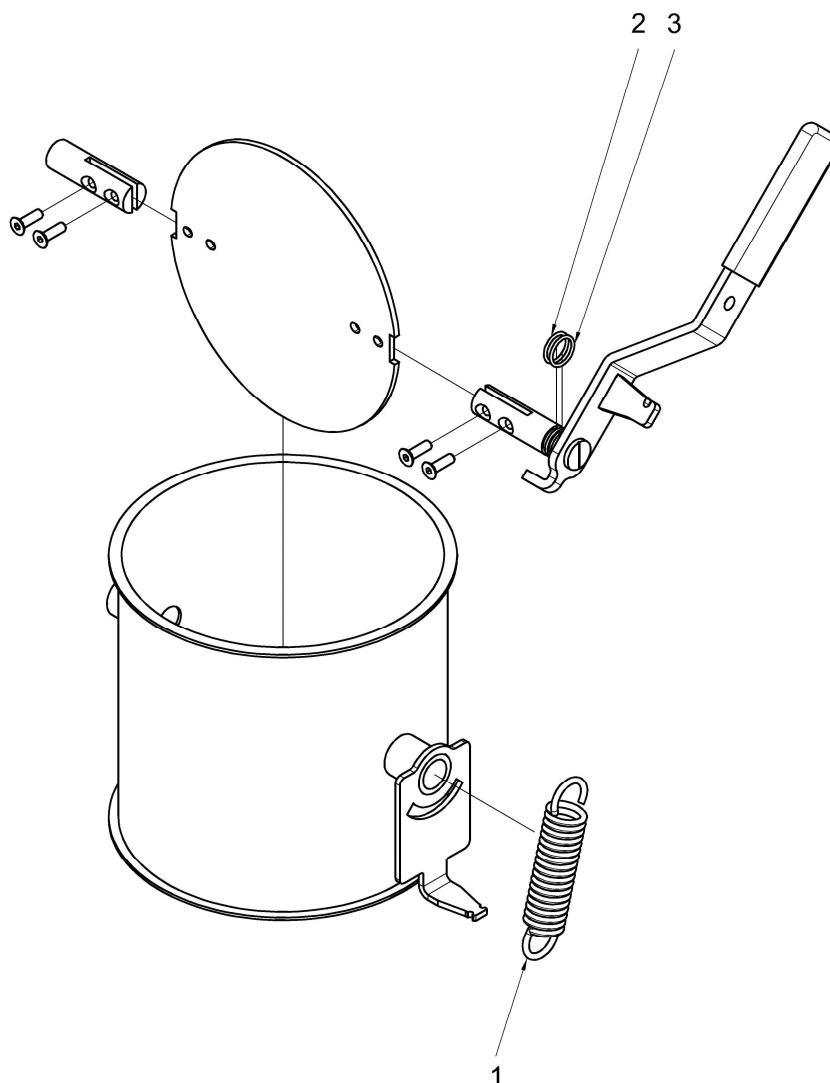
Pipe diameter and roundness according to DIN EN 10296-1:2004
Length and angular dimensions according to DIN ISO 2768-v (very coarse)
Lips: 6 mm ± 1 mm

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 300
1	Tension spring	1	SO0130139
2	O-ring made of FKM/FPM (Viton)	1	SO0129114
3	O-ring made of FKM/FPM (Viton)	1	SO0129114