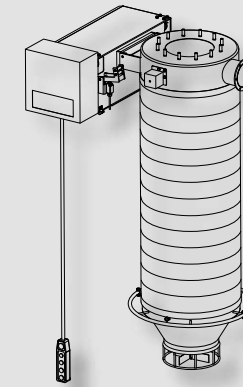
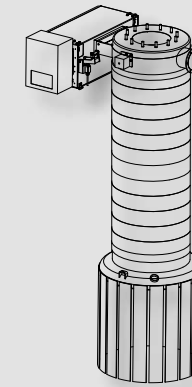


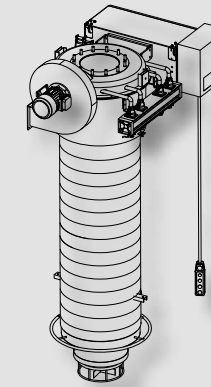
LOADING BELLOWS



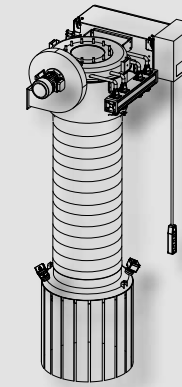
ZG LOADING BELLOWS



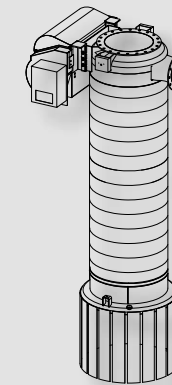
ZH LOADING BELLOWS



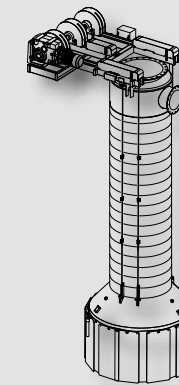
BELLOJET ZA LOADING BELLOWS



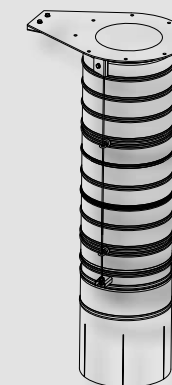
BELLOJET ZC LOADING BELLOWS



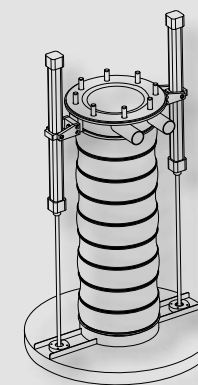
ZX LARGE CAPACITY LOADING BELLOWS



ZQ LARGE CAPACITY LOADING BELLOWS



ZN LOADING BELLOWS



MINIFILL LOADING BELLOWS

SECTORS OF APPLICATION



CONSTRUCTION



FOOD &
ANIMAL FEED



PLASTICS &
CHEMICALS



HEAVY
INDUSTRY



RENEWABLE
ENERGY



PLANTS
& MACHINERY



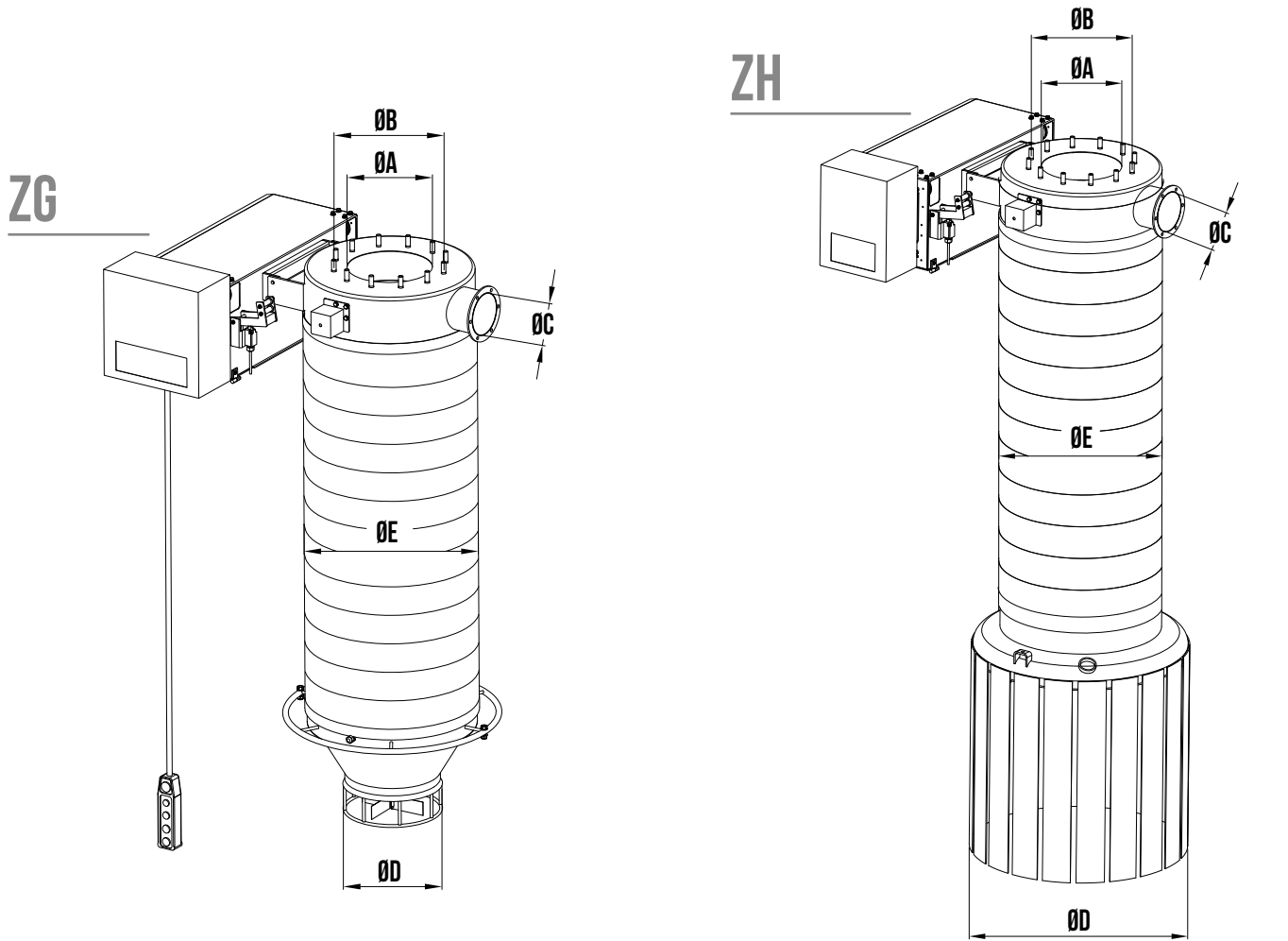
ENVIRONMENTAL
TECHNOLOGIES

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ZG - ZH TELESCOPIC LOADING BELLOWS

The telescopic loading bellows designed and built by Torex Spa meet the need of numerous industrial sectors to unload fine or bulk solid materials onto tankers, tipper trucks or other means of transport, while eliminating or minimising dust. This equipment, with a particular construction strength, is used in bulk loading systems in all sectors which require it: thanks to the perfectly sealed exit cone covered in Sintal or the containment skirt, the materials are unloaded without generating dust.



ZG TELESCOPIC LOADING BELLOWS FOR TANKER
(dimensions in mm)

Type	A	B	C	D	E
ZG	300	400	150	350	610

ZH TELESCOPIC LOADING BELLOWS FOR OPEN TRUCK
(dimensions in mm)

Type	A	B	C	D	E
ZH	300	400	150	810	610

TECHNICAL DATA

- Inlet diameter 300 – 400 mm;
- Maximum capacity: 250 m³/h – 440 m³/h.
- Maximum extension: up to 6 m;
- Working temperature: from -40°C to + 150°C.
- 2 external steel cables extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear.
- Construction material: iron, hardox 400, 304 stainless steel, 316 stainless steel.

ACCESSORIES



Electric panel



Standard push-button panel



Wireless push-button panel



Spreader



Anti-waste device



Electric vibrator



Hypalon-neoprene bellows



Polyester bellows



Kevlar bellows



Removable terminal



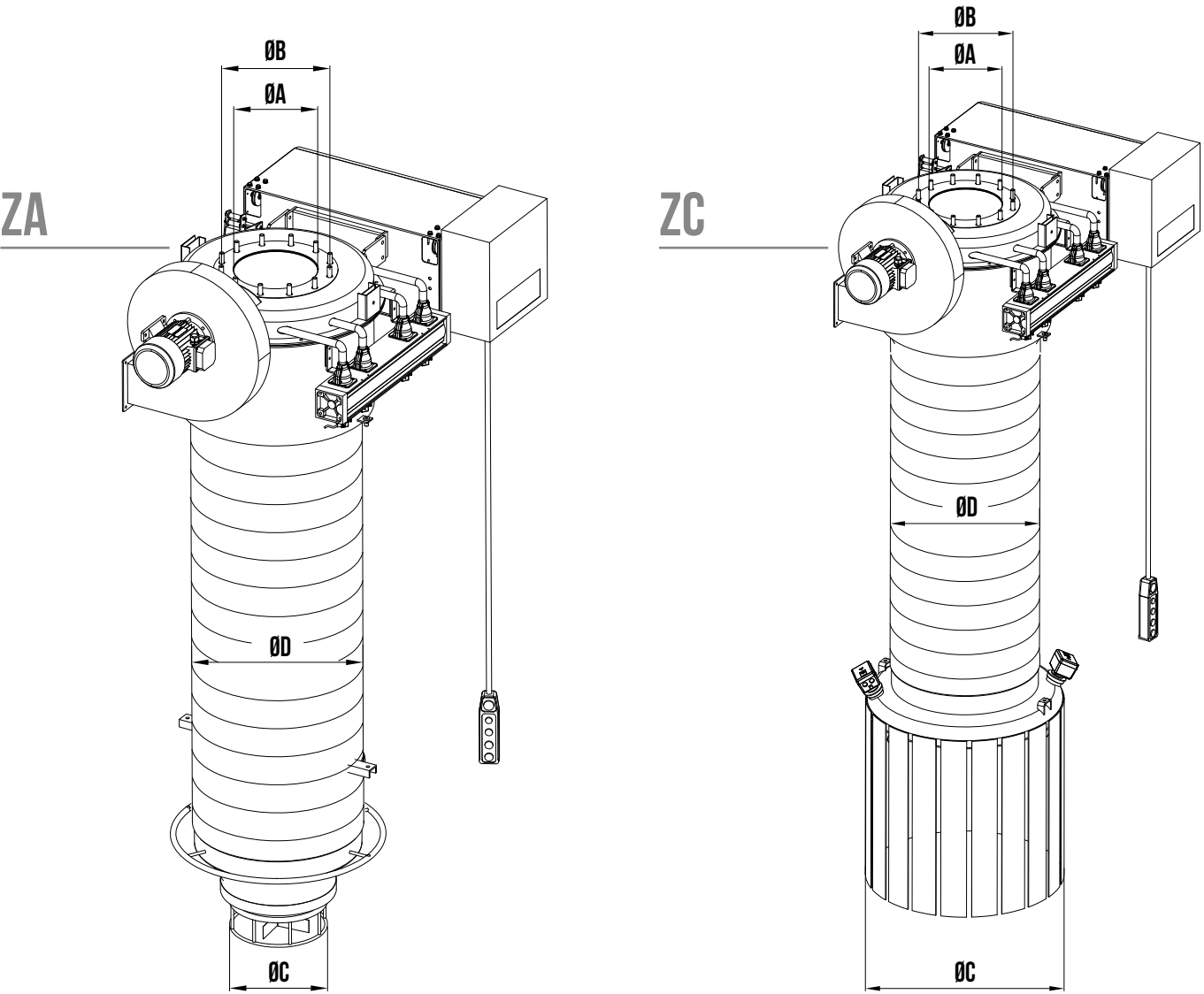
ZG - ZH TELESCOPIC LOADING BELLOWS

CONFIGURATION

Z	A	M	B	O	1	5	N	1	1	1	2
VERSION	LOADING BELLOWS TYPE	CONTACT PART MATERIAL	BELLOWS TYPE AND MATERIAL	CONE TYPE AND MATERIAL	STROKE (m) OR MODULE	STROKE (mm)	HANDLING	PANEL VOLTAGE OR MOTORS	LEVEL INDICATOR	UNLOADING ACCESSORIES	ELECTRICAL SYSTEM
											1 Junction box 2 Electric panel and push-button panel 3 Junction box and push-button panel
											0 Without anti-waste 1 With anti-waste 2 Without anti-waste with vibrator 3 With anti-waste and with vibrator
										1 Rotary F Double rotary 7 Vibration J Double vibration	
											1 220 - 240 V 50 Hz / 380 - 420 V 50 Hz
											N Motorised 0,55 Kw
											0 0 mm 2 250 mm 5 500 mm 7 750 mm
											0 0 m 1 1 m 2 2 m 3 3 m 4 4 m 5 5 m 6 6 m
											A Small cones 60 30 B Large cones 60 D Small AISI304 cones 60 30 E Large AISI304 cones 60 G Small AISI316 cones 60 30 H Large AISI316 cones 60 O Small HARDOX 400 cones 60 30 P Large HARDOX 400 cones 60
											A 1 Neoprene-Hypalon bellows 60 B 2 Neoprene-Hypalon bellows 60 30 F 1 Food-grade Neoprene bellows 60 G 2 Food-grade Neoprene bellows 60 30 F 1 Food-grade Neoprene bellows 60 M 1 Kevlar bellows 60 N 2 Kevlar bellows 60 30
											M Iron B AISI316 A AISI304 H HARDOX 400
											G without filter for tanker H without filter for open truck I without filter for tanker and open truck
											Z Standard E ATEX 20/22 F ATEX 20/21

BELLOJET ZA - ZC TELESCOPIC LOADING BELLOWS

Unloading system for tankers or tipper trucks, with the same characteristics as the ZH - ZG model plus the addition of a filter inside the head, complete with counter-current cleaning system and fan. The built-in high-efficiency filter enables you to load materials without generating dust.



ZA BELLOJET TELESCOPIC LOADING BELLOWS FOR TANKER (dimensions in mm)

Type	A	B	C	D
ZA	300	400	350	610

ZC BELLOJET TELESCOPIC LOADING BELLOWS FOR OPEN TRUCK (dimensions in mm)

Type	A	B	C	D
ZC	300	400	810	610

TECHNICAL DATA

- Inlet diameter 300 – mm;
- Maximum capacity: 250 m³/h;
- Maximum extension: up to 5,5 m;
- Working temperature: from -40°C to + 150°C;
- 2 external steel cables extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear;
- Construction material: iron, hardox 400, 304 stainless steel, 316 stainless steel;
- Built-in 10 m²/h filter with 2.2 kW fan.

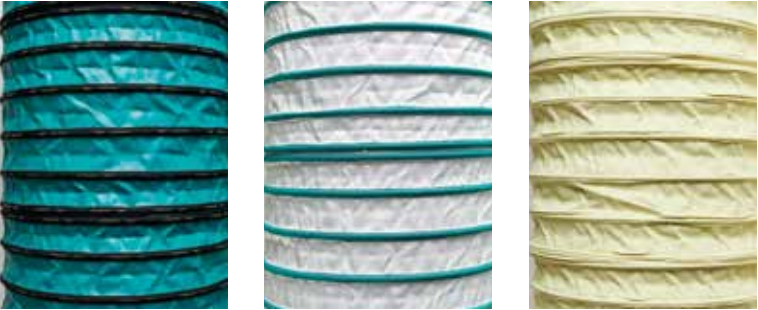
ACCESSORIES



Electric panel Standard push-button panel Wireless push-button panel Spreader



Anti-waste device Electric vibrator



Hypalon-neoprene bellows Polyester bellows Kevlar bellows



Removable terminal



Cartridges PH polyester

Cartridges PX antistatic

Cartridges PV hydro-oil repellent

Cartridges PT membrane fabric

Cartridges PZ antistatic membrane fabric



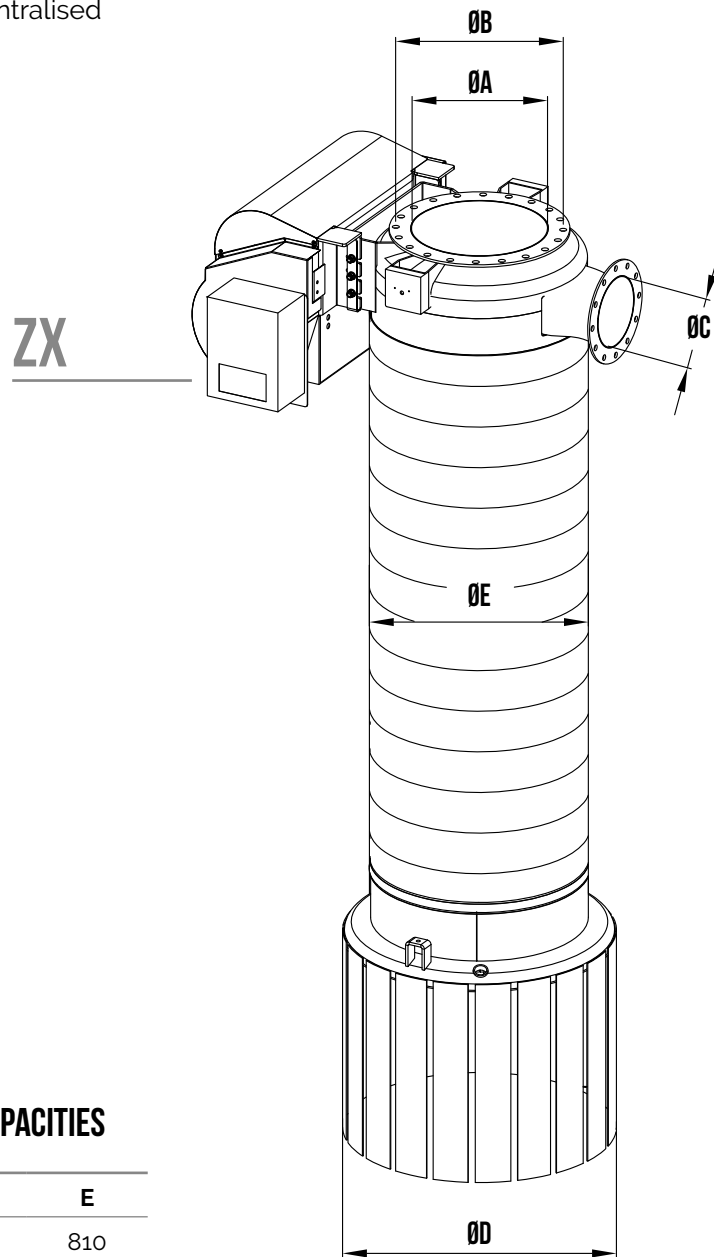
BELLOJET ZA - ZC TELESCOPIC LOADING BELLOWS

CONFIGURATION

Z	A	M	B	O	1	5	N	1	1	1	2	1
VERSION	LOADING BELLOWS TYPE	CONTACT PART MATERIAL	BELLOWS TYPE AND MATERIAL	CONE TYPE AND MATERIAL	STROKE (m) OR MODULE	STROKE (mm)	HANDLING	PANEL VOLTAGE OR MOTORS	LEVEL INDICATOR	UNLOADING ACCESSORIES	ELECTRICAL SYSTEM	CARTRIDGES
												1 PH polyester cartridges 2 PX antistatic cartridges 4 PV hydro-oil repellent cartridges 5 PT membrane fabric cartridges 6 PZ antistatic membrane fabric cartridges
											1 Junction box 2 Electric panel and push-button panel	
											0 Without anti-waste 1 With anti-waste 3 With anti-waste and with vibrator 4 Pneumatic anti-waste	
											0 Without level indicator 1 Rotary 24 - F Double rotary 7 Vibration - J Double vibration	
											1 220 - 240 V 50 Hz / 380 - 420 V 50 Hz 2 250 - 280 V 60 Hz / 440 - 480 V 60 Hz 4 290/500 V 60 Hz	
											N Motorised 0.55 Kw	
											0 0 mm 5 500 mm 2 250 mm 7 750 mm	
											0 0 m 1 1 m 2 2 m 3 3 m	
											- A Cones - D AISI304 cones - G AISI316 cones - O HARDOX 400 cones	
											- B 2 Neoprene-Hypalon bellows 60 30 - G 2 Food-grade Neoprene bellows 60 30 - N 2 Kevlar bellows 60 30	
											- M Iron - B AISI316 - A AISI304 - H HARDOX 400	
											- A with filter for tanker - C with filter for open truck - E with filter for tanker and open truck	
											- Z Standard - E ATEX 20/22 - F ATEX 20/21	

ZX TELESCOPIC LOADING BELLOWS FOR LARGE CAPACITIES

The **ZX** telescopic loading bellows are suitable for loading flatbed trucks, wagons and holds, reaching a capacity of 550 m³/h, and is built for continuous use. The terminal is equipped with a skirt that contains the emission of dust during unloading, while the head is equipped with a flange for connection to a centralised filter.



ZX TELESCOPIC LOADING BELLOWS FOR LARGE CAPACITIES
(dimensions in mm)

Type	A	B	C	D	E
ZX	510	620	267	1000	810

TECHNICAL DATA

- Inlet diameter 500 mm;
- Maximum capacity: 550 m³/h;
- Maximum extension: up to 20 m;
- Working temperature: from -40°C to + 150°C;
- 2 external steel cables extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear;
- Construction material: iron, hardox 400, 304 stainless steel, 316 stainless steel.

ACCESSORIES



Electric panel



Standard push-button panel



Wireless push-button panel



Hypalon-neoprene bellows



Polyester bellows



Kevlar bellows

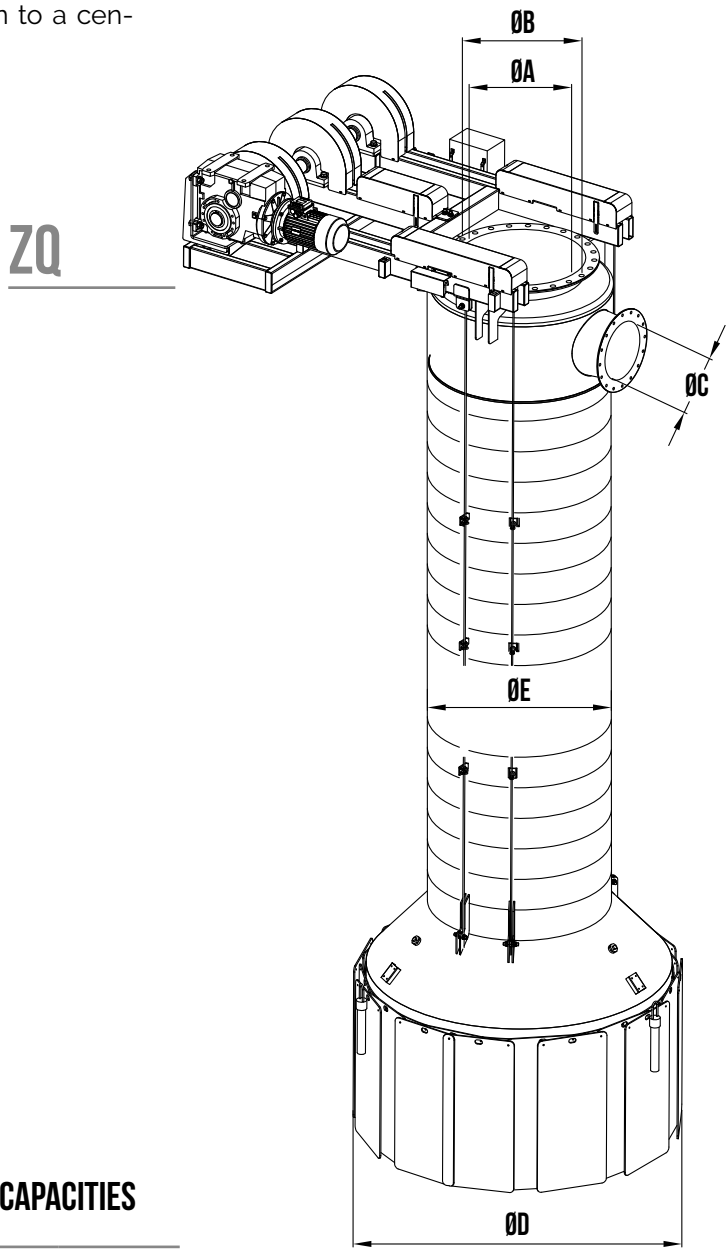


LOADING BELLOWS

[illegible]

ZQ TELESCOPIC LOADING BELLOWS FOR LARGE CAPACITIES

Developed to load ships, barges or outdoor storage, capacity of 1,800 m/h. Equipped with a skirt in the terminal that prevents the emission of dust during unloading and a suction flange on the head for connection to a centralised filter.



ZQ TELESCOPIC LOADING BELLOWS FOR LARGE CAPACITIES
(dimensions in mm)

Type	A	B	C	D	E
ZQ	800	950	400	2100	1200

TECHNICAL DATA

- Inlet diameter 800 mm;
- Maximum capacity: 1,800 m/h;
- Maximum extension: up to 30 m;
- Working temperature: from -20°C to +150°C;
- Electric lifting motor 5.5 Kw;
- 3 external cables extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear;
- Construction material: iron, hardox 400, 304 stainless steel, 316 stainless steel;
- 3 TILT-type level indicators placed outside the material flow.

ACCESSORIES



Electric panel



Wireless push-button panel



Hypalon-neoprene bellows



Polyester bellows



Kevlar bellows



ZQ TELESCOPIC LOADING BELLOWS FOR LARGE CAPACITIES

CONFIGURATION

Z VERSION

A LOADING BELLOWS TYPE

M CONTACT PART MATERIAL

B CONTACT PART MATERIAL

O CONE TYPE AND MATERIAL

1 STROKE (m) OR MODULE

N HANDLING

1 PANEL VOLTAGE OR MOTORS

1 LEVEL INDICATOR

2 ELECTRICAL SYSTEM

2 Electric panel and WIRELESS push-button panel

N TILT indicator (ZQ only)

1 220 - 240 V 50 Hz / 380 - 420 V 50 Hz

2 250 - 280 V 60 Hz / 440 - 480 V 60 Hz

4 290/500 V 60 Hz

X Motorisation for ZQ (STANDARD)

01 MAX. LENGTH 10400	Co MAX. LENGTH 21600
02 MAX. LENGTH 11500	Do MAX. LENGTH 22600
03 MAX. LENGTH 12500	Eo MAX. LENGTH 23600
04 MAX. LENGTH 13500	Fo MAX. LENGTH 24600
05 MAX. LENGTH 14500	Go MAX. LENGTH 25600
06 MAX. LENGTH 15500	Ho MAX. LENGTH 26600
07 MAX. LENGTH 16500	Io MAX. LENGTH 27600
08 MAX. LENGTH 17500	Lo MAX. LENGTH 28600
09 MAX. LENGTH 18500	Mo MAX. LENGTH 29600
Ao MAX. LENGTH 19500	No MAX. LENGTH 30600
Bo MAX. LENGTH 20500	

SPECIFIC VALUES FOR "ZQ"

K Fe360 internal cones Ø800

Z AISI 304 internal cones Ø800

W Hardox internal cones Ø800

K 1 Neoprene-Hypalon bellows 120

W 1 Kevlar bellows 120

U 1 Food-grade Neoprene bellows 120

M Iron **B** Aisi316

A Aisi304 **H** HARDOX 400

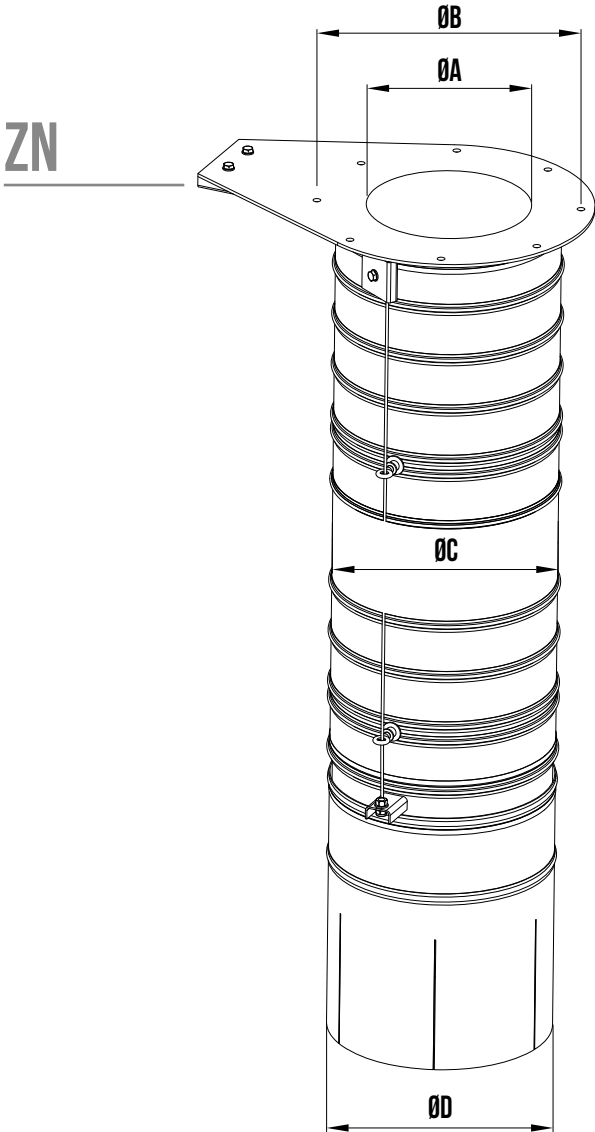
Q DN800 Loading bellows

Z Standard

ZN TELESCOPIC LOADING BELLOWS

The **ZN** telescopic loading bellows are the ideal combination of convenience, simplicity and quality for loading tankers.

Movement with manual winch, attached or with transmission, skirt on the conical terminal to prevent the emission of dust into the atmosphere.



ZN TELESCOPIC LOADING BELLOWS
(dimensions in mm)

Type	A	B	C	D
ZN	300	480	410	410

TECHNICAL DATA

- Inlet diameter 300 mm;
- Maximum capacity: 200 m/h;
- Maximum extension: up to 4 m;
- Working temperature: from -40°C to + 150°C;
- 2 external steel cables extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear;
- Construction material: Iron, 304 stainless steel.

ACCESSORIES

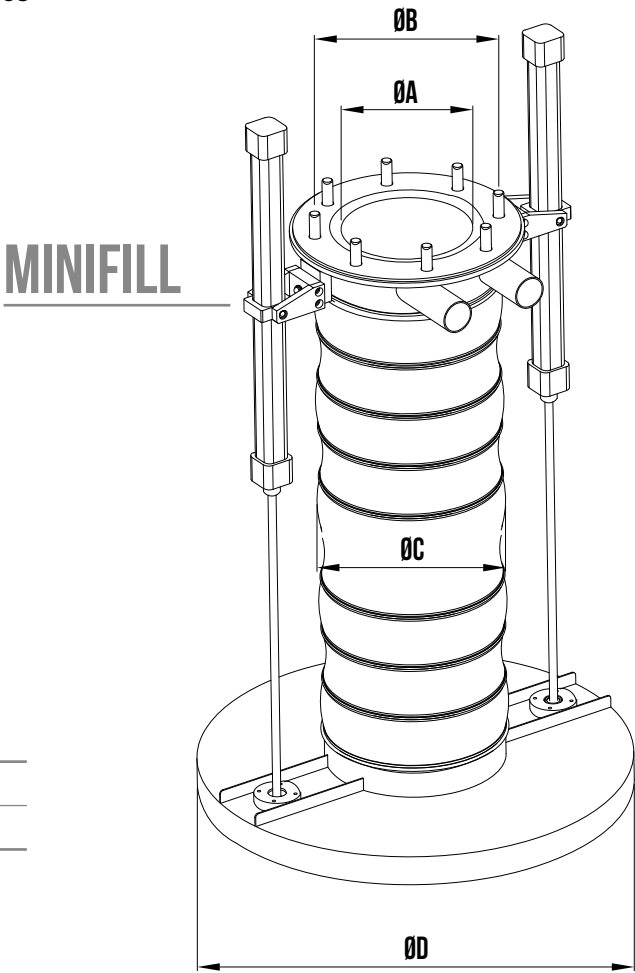


Manual winch

MINIFILL TELESCOPIC LOADING BELLOWS

Built for filling small containers without spreading dust. The compact dimensions of the **MINIFILL** telescopic loading bellows make it the ideal solution in limited space conditions.

The double bellows solution with suction inlet increases the dedusting efficiency.



MINIFILL TELESCOPIC LOADING BELLOWS
(dimensions in mm)

Type	A	B	C	D
MINIFILL	200	280	410	650

TECHNICAL DATA

- Inlet diameter 200 mm;
- Maximum capacity: 120 m/h;
- Maximum extension: up to 2 m;
- Working temperature: from -15°C to + 120°C;
- 2 Pneumatic cylinders extend and retract the external loading bellows without coming into contact with the product, avoiding obstructions and wear;
- 2 Suction nozzles diam. 50 mm;
- Double bellows.



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