



LOADING SPOUT / BKLS

STORAGE



Loading sleeves are widely used in the food, chemical, pharmaceutical and construction industries. These are devices with different performance and speed of operation. We specialize in solutions enabling dust-free loading of bulk materials into barrels, tanks, semi-trailers, box trucks, ships and heaps. The latter devices include: telescopic loading sleeves with increased efficiency.

Our loading sleeves enable efficient and dust-free transfer of bulk materials for both transport and storage. It is possible to install an internal scale, positioners for three X/Y/Z axes, dust filters, an anti-dust system and support for filling the transport vehicle with the loading sleeve.

We only provide proven solutions, so you can be sure that the offered products will work in every situation and will serve you for many years.

BODY PRODUCTION MATERIALS:



CARBON
STEEL



STAINLESS
STEEL



HARDOX
STEEL

BELLOWS PRODUCTION MATERIAL:



POLYESTER MEMBRANE COATED WITH
POLYVINYL CHLORIDE (min. 470 gr/m²)



CEMENT
& LIME
INDUSTRY



CHEMICAL
& PETROCHEMICAL
INDUSTRY



LIMESTONE
& GYPSUM
INDUSTRY



FOOD &
AGRICULTURE
INDUSTRY



CONSTRUCTION
& ROAD
INDUSTRY



AGGREGATE
& MINING
INDUSTRY



Telescopic loading sleeves are used for dust-free loading of dry bulk materials and small pieces in road and rail transport. The sleeves are made of internal cones responsible for directing the flow of material. Bellows compensators are used on the outside to ensure dust-free operation of the sleeve.

The loading bellows is lowered using an electric winch onto the tank stub pipe or the bottom of the truck. After reaching the destination, the bellows stops using the limit switch installed on one of the lines, which means that loading is ready.

Depending on the application, the lower part of the bellows is equipped with a special cap for loading tanks or an open outlet for loading platforms and trucks. Sleeves equipped with a fill sensor provide an additional signal to stop loading. Dedusting of the loading is ensured by an integrated filter or connection to an external installation.

RECOMMENDED DEVICE OPERATING CONDITIONS:

WORK TEMPERATURE:
- 20 / + 40 °C

MEDIUM TEMPERATURE:
<100 °C



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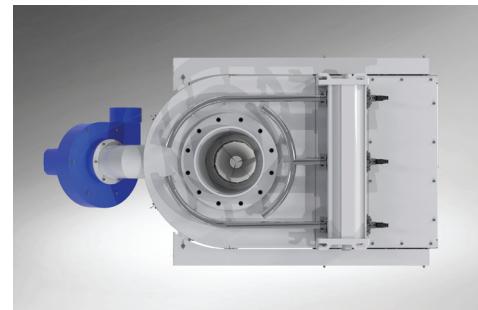
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ADVANTAGES OF USING LOADING SLEEVES:

- three steel load-bearing cables installed outside the material flow, protect against abrasion of the bellows
- steel cables also eliminate possible disturbances in the flow of the transported material
- guiding the material through internal cones reduces the abrasion of the bellows and has a positive effect on their durability
- it is possible to quickly replace the elements of the external bellows and internal cones without having to dismantle the entire sleeve
- high strength and flexibility of external bellows, especially at low temperatures
- the use of good quality and proven gearmotors from Nord / SEW
- a special option for stacking aggregates
- possibility of easy expansion of the sleeve (extension of the bellows / its standard length is 3.5 meters (9 segments).



| MODEL: | DISPOSAL DIAMETER: | INDICATIVE EFFICIENCY: | DESIGN OPTIONS AND AVAILABLE ACCESSORIES: |
|-----------|--------------------|-------------------------|---|
| BKLS 300 | 300 mm | 220 m ³ /h | |
| BKLS 400 | 400 mm | 440 m ³ /h | |
| BKLS 500 | 500 mm | 700 m ³ /h | |
| BKLS 700 | 700 mm | 1 000 m ³ /h | |
| BKLS 1000 | 1 000 mm | 3 000 m ³ /h | <ul style="list-style-type: none"> • possibility of making elongated bellows and ATEX versions • possibility of installing bellows adapted for operation at higher temperatures (+100 °C) • possibility of installing filling sensors • possibility of installing an exhaust vibrator • possibility of installing a local bag dust collector • possibility of installing a spreader for the material being poured out |

AVAILABLE LOADING SPOUTS VERSIONS:



(A) closed sleeve for loading tanks
(AF) closed sleeve for loading tanks and platforms, with a cone, equipped with a cartridge filter



(B) open sleeve, used for dust-free loading of tankers and platforms, without a filling sensor



(C) open sleeve, used to collect aggregates and bulk materials of various fraction sizes



(AFR) closed sleeve, used for loading tanks and platforms, with a cone, equipped with a cartridge filter and a spreader of the transported material



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