



VIVO CONSULT

COMPREHENSIVE DUST SOLUTION.

“WE
SUPPRESS
DUST AT THE
SOURCE”





VIVO CONSULT

Our products and services help protect the environment



2016

Loading spouts VIVO

Loading spouts VIVO eliminate dust, eradicate material losses and increase safety when working with bulk solids.

BENEFITS

- control of dust pollution
- avoidance of penalties imposed by authorities for dust
- increased safety & cleaner environment
- unit assembly construction
- easy maintenance & simple operation
- long durability
- three cable lifting system
- complete range and flow rates

THE LOADING SPOUT IS DESIGNED WITH THE FOLLOWING PARAMETERS:

- product handled
- product physical properties (abrasive, corrosive, explosive, hygroscopic etc.)
- loading capacity
- particle size
- bulk density
- construction dimensions (retracted and extended length)
- temperature (ambient, product)

| Volume | Flow rate (m³/h) | Design line | Types | Chapter | Loading |
|-----------------|------------------|-------------|-------------|---------|-------------------|
| low | max. 250 | Economic | LSNZU300E | 1.1.1. | tankers, railcars |
| | | | LSNZU300VR | 1.1.2. | tankers, railcars |
| | | | LSNZUF300E | 1.1.3. | tankers, railcars |
| | | | LSNZO300E | 1.1.4. | trucks, wagons |
| | | | LSNZOF300E | 1.1.5. | trucks, wagons |
| | | | LSNZK300ER | 1.1.6. | combined |
| | | | LSNZKF300ER | 1.1.7. | combined |
| middle | max. 80 | Standard | LSNZU300R | 2.1.1. | tankers, railcars |
| | max. 200 | Standard | LSNZO300S | 2.1.2. | stockpile |
| | max. 300 | Standard | LSNZU300S | 2.1.3. | tankers, railcars |
| | max. 400 | Standard | LSNZO400S | 2.1.4. | trucks, wagons |
| high | max. 500 | Heavy | LSNZO600H | 3.1.1. | trucks, wagons |
| | max. 1 000 | Heavy | LSNZO600DH | 3.1.2. | stockpile |
| | max. 2 000 | Heavy | LSNZO900DH | 3.1.3. | stockpile |
| extremely high | max. 4 000 | Heavy | LSNZO800SL | 4.1.1. | ship loading |
| Positioner | | | MRT20-FTR | 5.1.1. | |
| Dust Free Chute | | | DFCH | 5.1.2. | |

1. TANKER LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.1. LSNZU300E

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into tankers

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- pipe Ø125 mm for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch - rotary / vibrating / capacitance type
- bottom closing cone to prevent any spillage of dust as the loading spout is being raised

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|----------------------------------|-------------------------|--------|--------|
| With rotary / capacitance switch | | | |
| 1 200 | 2 700 | 1 500 | 137 |
| 1 400 | 3 900 | 2 500 | 161 |

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| With vibrating switch | | | |
| 1 280 | 2 780 | 1 500 | 139 |
| 1 480 | 3 980 | 2 500 | 163 |



Telescopic loading spout type LSNZU300E with the integral closure cone and level indicator guarantee you a dustless loading of dry, dusty bulk solids into the tankers, railway vehicles or containers.

1. TANKER LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.2. LSNZU300VR

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into tankers

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- pipe Ø125 mm for connection to remote dust filtration
- operating temperature -20°C/+80°C
- loading conduit consisting of internal cones and outer bellows

DESIGN

- hand winch for equipment operation
- no level switch
- sealing cone for perfect tanker sealing

ADDITIONAL ACCESSORIES

- design for ATEX / non-standard temperature (-40°C/+250°C)



| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 760 | 1 760 | 1 000 | 106 |
| 860 | 2 360 | 1 500 | 118 |
| 960 | 2 960 | 2 000 | 130 |
| 1 060 | 3 560 | 2 500 | 142 |

Telescopic loading spout type LSNZU300VR for dustless loading of dry, dusty bulk solids into the tankers, railway vehicles or containers is a simple equipment at the most competitive price.

1. TANKER LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.3. LSNZUF300E

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into tankers with built-in filter

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- built-in filter: flow rate 900 m³/h, filter area 17.5 m², residual concentration at the output < 10 mg/m³
- internal thread G ½"
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – rotary / vibrating / capacitance type
- bottom closing cone to prevent any spillage of dust as the loading spout is being raised

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)



Telescopic loading spout type LSNZUF300E with the powerful built-in filter, integral closure cone and level indicator guarantee you a dustless loading of dry, dusty bulk solids into the tankers, railway vehicles or containers.

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|----------------------------------|-------------------------|--------|--------|
| With rotary / capacitance switch | | | |
| 1 500 | 3 000 | 1 500 | 294 |
| 1 570 | 4 070 | 2 500 | 322 |
| With vibrating switch | | | |
| 1 580 | 3 080 | 1 500 | 296 |
| 1 650 | 4 050 | 2 500 | 324 |

1. TRUCK/RAILCAR LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.4. LSNZO300E

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on trucks and railcars

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-80 mm
- inlet diameter DN300
- pipe Ø125 mm for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch - rotary / vibrating
- dustproof bell with rubber skirt at the lower end of the loading spout
- available also with manual winch

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted lenght) | Lmax (Extracted lenght) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 300 | 3 300 | 2 000 | 145 |
| 1 400 | 3 900 | 2 500 | 156 |
| 1 500 | 4 500 | 3 000 | 167 |
| 1 700 | 5 700 | 4 000 | 189 |



Telescopic loading spout type LSNZO300E with the dustproof bell, rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on open trucks and railway cars.

1. TRUCK/RAILCAR LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.5. LSNZOF300E

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on trucks and railcars

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-80 mm
- inlet diameter DN300
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- built-in filter: flow rate 900 m³/h, filter area 17.5 m², residual concentration at the output < 10 mg/m³
- internal thread G ½"
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch - rotary / vibrating
- dustproof bell with rubber skirt at the lower end of the loading spout
- available also with manual winch

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 850 | 3 850 | 2 000 | 330 |
| 1 950 | 4 450 | 2 500 | 343 |
| 2 050 | 5 050 | 3 000 | 356 |



Telescopic loading spout type LSNZOF300E with the powerful built-in filter, dustproof bell with rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on trucks or railway cars.

1. COMBINED LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.6. LSNZK300ER

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into trucks, railcars and tankers

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- pipe Ø125 mm for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch - vibrating / capacitance type
- bottom part consisting of sealing cone and dustproof bell with rubber skirt
- available also with electrical lifting of the dustproof bell

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)



| Lmin (retracted lenght) | Lmin (retracted lenght) | Lmax (Extracted lenght) | Travel | Weight |
|-------------------------|-------------------------|-------------------------|--------|--------|
| 1 005 | 3 255 | 3 781 | 2 250 | 131 |
| 1 200 | 3 700 | 4 084 | 2 500 | 181 |
| 1 400 | 4 900 | 5 260 | 3 500 | 200 |
| 1 700 | 5 700 | 5 884 | 4 000 | 222 |

1. COMBINED LOADING SPOUTS

1.1. ECONOMIC LINE

1.1.7. LSNZKF300ER

DESCRIPTION

- telescopic loading spout for dust-free loading of dry,
- dusty bulk solids into trucks, railcars and tankers

OPERATION QUALITIES

- max. flow rate 250 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- built-in filter: flow rate 900 m³/h, filter area 17.5 m², residual concentration at the output < 10 mg/m³
- operating temperature -20°C/+80°C
- motor drive 0.55 kW
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – vibrating / capacitance type
- bottom part consisting of sealing cone and dustproof bell with rubber skirt
- available also with electrical lifting of the dustproof bell

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 900 | 3 400 | 3 790 | 1 500 |
| 1 970 | 4 470 | 4 860 | 2 500 |
| 2 070 | 5 070 | 5 460 | 3 00 |



Combined telescopic loading spout type LSNZKF300ER with powerful built-in filter guarantee you a dustless loading of dry, dusty bulk solids into closed tankers, railway vehicles and open trucks or railway cars.

2. TANKER LOADING SPOUTS

2.1. STANDARD LINE

2.1.1. LSNZU300R

DESCRIPTION

- telescopic loading spout with spreader for efficient loading of dry, dusty bulk solids into tankers

OPERATION QUALITIES

- max. flow rate 80 m³/h
- grain size max. 10 mm
- inlet diameter DN300
- operating temperature -20°C/+80°C
- gearbox motor drive 0.9 kW
- spreader motor 3 or 7.5 kW

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – rotary / capacitance type
- rubber-coated sealing cone for perfect tanker sealing
- bottom part is equipped with powerful spreader that spreads the product into tanker

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)



| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 100 | 2 300 | 1 200 | 472 |
| 1 628 | 2 938 | 1 310 | 493 |

This unique telescopic loading spout type LSNZU300R with the powerful spreader guarantee you to load up to 25% more product in comparison with the gravity loading.

2. STOCKPILES LOADING SPOUTS

2.1. STANDARD LINE

2.1.2. LSNZO300S

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on stockpiles

OPERATION QUALITIES

- inlet diameter DN300
- max. flow rate 250 m³/h
- grain size 0-50 mm
- pipe for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 1,6 kW
- loading conduit consisting of internal tubes and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – 2x rotary
- dustproof bell with rubber skirt at the lower end of the loading spout

ADDITIONAL ACCESSORIES

- electric control box
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 2 360 | 8 000 | 5 640 | 776 |
| 2 500 | 10 000 | 7 500 | 900 |
| 2 780 | 11 986 | 9 206 | 930 |
| 2 890 | 14 000 | 11 110 | 1 013 |



Telescopic loading spout type LSNZO300S with the dustproof bell, rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on stockpiles and ships.

2. TANKER LOADING SPOUTS

2.1. STANDARD LINE

2.1.3. LSNZU300S

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into tankers

OPERATION QUALITIES

- max. flow rate 300 m³/h
- grain size 0-40 mm
- inlet diameter DN300
- pipe Ø250 mm for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 0.9 kW
- loading conduit consisting of internal cones and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch - rotary / vibrating
- rubber-coated sealing cone for perfect tanker sealing
- bottom closing cone to prevent any spillage of dust as the loading spout is being raised
- available with the external dust collector and double bellows

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)



Robust-design telescopic loading spout type LSNZU300S with the integral closure cone and level indicator guarantee you a dustless loading of dry, dusty bulk solids into the tankers, railway vehicles or containers.

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| With rotary switch | | | |
| 1 390 | 2 890 | 1 500 | 349 |
| 1 590 | 4 090 | 2 500 | 405 |
| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
| With vibrating switch | | | |
| 1 500 | 3 000 | 1 500 | 364 |
| 1 700 | 4 200 | 2 500 | 433 |

2. TRUCK/RAILCAR LOADING SPOUTS

2.1. STANDARD LINE

2.1.4. LSNZO400S

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on trucks and railcars

OPERATION QUALITIES

- inlet diameter DN400
- max. flow rate 400 m³/h
- grain size 0-100 mm
- pipe for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 0.9 kW
- loading conduit consisting of internal tubes and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – rotary / vibrating
- dustproof bell with rubber skirt at the lower end of the loading spout

ADDITIONAL ACCESSORIES

- electric control box
- pendant or remote control
- vibration unit
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 400 | 3 900 | 2 500 | 531 |
| 1 700 | 4 500 | 3 000 | 484 |
| 1 800 | 5 320 | 3 520 | 529 |
| 2 150 | 6 350 | 4 200 | 628 |



Robust-design telescopic loading spout type LSNZO400S with the dustproof bell, rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on trucks or railway cars.

3. TRUCK/RAILCAR LOADING SPOUTS

3.1. HEAVY LINE

3.1.1. LSNZO600H

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on trucks and railcars

OPERATION QUALITIES

- max. flow rate 500 m³/h
- grain size 0-100 mm
- inlet diameter DN600
- pipe for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 2.2 kW
- loading conduit consisting of internal tubes and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – 2x rotary
- dustproof bell with rubber skirt at the lower end of the loading spout

ADDITIONAL ACCESSORIES

- electric control box
- shut off valves (manual, electro, pneumatic)
- design for ATEX / non-standard temperature (-40°C/+250°C)

| Lmin (retracted lenght) | Lmax (Extracted lenght) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 1 940 | 3 635 | 1 695 | 631 |
| 2 160 | 4 729 | 2 569 | 704 |
| 2 490 | 6 150 | 3 660 | 823 |
| 2 600 | 6 700 | 4 100 | 906 |



Robust-design telescopic loading spout type LSNZO600H with the dustproof bell, rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on trucks or railway cars.

3. STOCKPILES LOADING SPOUTS

3.1. HEAVY LINE

3.1.2. LSNZO600DH

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on stockpiles

OPERATION QUALITIES

- inlet diameter DN600
- max. flow rate approx. 1000 m³/h
- grain size 0-100 mm
- pipe for connection to remote dust filtration
- operating temperature -20°C/+80°C
- motor drive 3 or 4 kW
- loading conduit consisting of internal tubes and outer bellows

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors
- for highest and lowest positions
- terminal box for cable connection
- level switch – 2x rotary
- dustproof bell with rubber skirt at the lower end of the loading spout

ADDITIONAL ACCESSORIES

- electric control box
- design for ATEX / non-standard temperature (-40°C/+250°C)
- external dust collector

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 3 050 | 13 250 | 10 200 | 2 300 |
| 3 100 | 14 325 | 11 225 | 2 334 |
| 3 444 | 17 881 | 14 437 | 3 100 |



Robust-design telescopic loading spout type LSNZO600DH with the dustproof bell, rubber skirt and level indicator guarantee you a dustless loading of dry, dusty bulk solids on stockpiles or ships.

3. STOCKPILES LOADING SPOUTS

3.1. HEAVY LINE

3.1.3. LSNZ0900DH

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids on stockpiles

OPERATION QUALITIES

- max. flow rate 2000 m³/h
- grain size 0-400 mm
- inlet diameter DN900
- operating temperature -20°C/+80°C
- motor drive 5.5 / 7.5 / 9.2 / 11.0 kW
- loading conduit consisting of tubes

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – 4x tilt type
- dustproof bell with rubber skirt at the lower end of the loading spout

ADDITIONAL ACCESSORIES

- electric control box
- design for ATEX / non-standard temperature (-40°C/+250°C)



Robust-design telescopic loading spout type LSNZ0900DH with the dustproof bell, rubber skirt and four level indicators guarantee you a dustless loading of dry, dusty bulk solids on stockpiles or ships.

| Lmin (retracted length) | Lmax (Extracted length) | Travel | Weight |
|-------------------------|-------------------------|--------|--------|
| 3 350 | 9 808 | 6 458 | 3 370 |
| 4 300 | 14 580 | 10 280 | 4 450 |
| 4 500 | 15 750 | 11 250 | 4 630 |
| 4 900 | 17 075 | 12 175 | 4 780 |
| 5 160 | 19 133 | 13 973 | 5 065 |
| 5 440 | 21 614 | 16 174 | 5 380 |

4. SHIP LOADING SPOUTS

4.1. HEAVY LINE

4.1.1. LSNZO800SL

DESCRIPTION

- telescopic loading spout for dust-free loading of dry, dusty bulk solids into cargo ships

OPERATION QUALITIES

- max. flow rate 4000 m³/h
- grain size 0-80 mm
- inlet diameter DN800
- operating temperature -20°C/+80°C
- motor drive 5.5 / 7.5 / 15.0 / 22.0 kW
- loading conduit consisting of tubes

DESIGN

- electric winch with limit switches for highest and lowest position, emergency sensors for highest and lowest positions
- terminal box for cable connection
- level switch – 4x tilt type
- special rotary shovel at the end of the spout for an effective material distribution into the ship

ADDITIONAL ACCESSORIES

- inner lining of tubes and shovel (Tivar88, PE UHMW etc.)
- protection cage
- pivoting mechanism



5. TANKER POSITIONER SPOUTS

5.1. TANKER MRT20-FTR

DESCRIPTION

- unique positioner for flexible positioning of the tanker loading spout above the tanker opening
- ideal when the transport vehicle is not to be moved during the loading

OPERATION QUALITIES

- designed only for positioning in longitudinal axis (X-axis)
- travel path 2 meters (1 meter in each direction)
- loading spout is positioned above the vehicle opening by being moved to the left or to the right
- suitable for the tanker loading spout without dust collector and also with built-in dust collector
- eliminates vehicle re-spotting once in the loading area

DESIGN

- It consists of flexible pipe (2365mm long) and trolley (carbon steel).
- Inlet pipe DN300 is connected to the customer hopper.

Two covering bellows are included:

- Upper bellows DN360 (material Polymar) seals the space between the pipe upper part and the inlet part.
- Lower bellows DN408 (material Polymar) seals the space between the pipe bottom part and the trolley.

Trolley is driven by the electric gearbox:

Type: MRT20-FTR

Power: 1,5 kW, 3,45 A

Trolley dimensions:

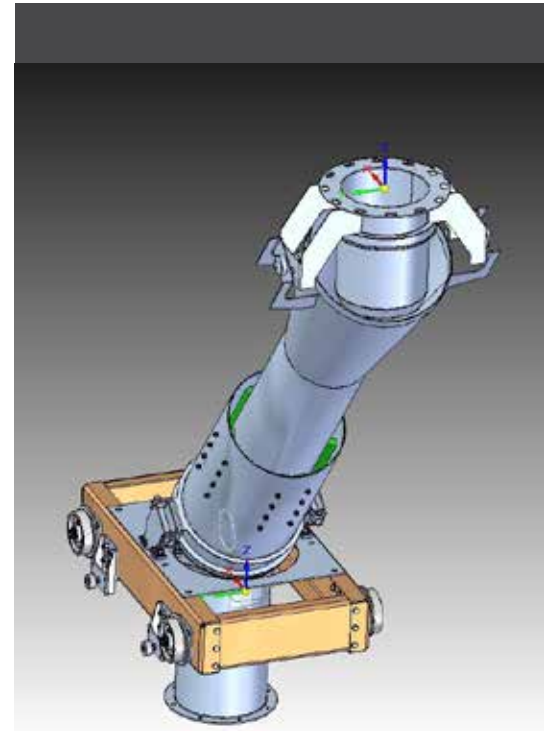
Length: 1250 mm

Width: 710 mm

Bottom part inlet: 380 mm

Two limit switches to control the trolley movement:

Type: Pizzato, FD-531



5. DUST FREE LOADER

5.1. DFCH

5.1.2. Dust Free Chutes

DESCRIPTION

The Dust Free Chutes DFCH are used to reduce dust while transferring dry, granular, free flowing products. The DFCH are used for bulk loading fertilisers, stock foods, meals and pellets, wheat, barley, sugars, some limes, salt, sand and gravel. System is used under a central feed point while bulk loading into any target repository including trucks, rail cars, storage containers, bags, stock piles, ships or barges.

ENGINEERED SOLUTIONS

VIVO consult will analyze your requirements and your existing loading facilities to provide the best dust reduction solution for your environment. Site specific engineering may be required to suit your requirements. To date customization has included features such as steel or fabric filter covers, dust socks (with or without covers), custom-made springs and frames. If your site does not fit our standard products we will endeavour to engineer a solution that works for your application.

VIVO SYSTEM MODELS

There are two models that can be any size or construction material:

- The standard model requires no utilities and has no internal moving parts.
- The PFC model (Positional Feed Control) has a computerised discharge rate control system for products with different specific gravities; thus allowing the load-out of various materials on the same conveyor system. All DFCH models can be configured for PFC configuration

DSH SYSTEM CONSTRUCTION MATERIALS

Construction material of each DFCH to suit your requirements, which could be any of the following:

- Polyethylene and Nylon
- Steel and 304 stainless steel chutes for warm or abrasive products
- 316 Stainless steel chutes for food grade and corrosive situations
- Steel examples are Electro Galvanised, Mild Steel, Corten, Hardox etc.

List of the products that have been successfully tested and/or installed

Salt, Sugar, Tea Fertilisers, Charcoal - Granulated, Dicalcium Phosphate, Dolomite - Crushed, Dolomite - Lime, Lime - Powder, Phosphate - Rock, Potash Potassium Sulphate, Fertiliser, Sulphur, Superphosphates, Soda, Urea, Grains & Stock Food, Corn, Corn - Meal, Feed - Pellets, Meal - Pellets, Rape Seed, Soya, Soyabean - Meal, Sunflower - Pellets, Wheat, Bauxite, Charcoal - Granulated, Gravel, Kaolin, Kieserite, Magnesite, Sands - Various, Silica - Sand, Soda Ash, Sodium Sulphite, Wood - Pellets



Are you interested in other company VIVO products?

Send us your request to info@vivoconsult.com



DryFog™ - BROCHURE



DustTamer™ - BROCHURE



Are you interested in other company VIVO products?

Send us your request to info@vivoconsult.com



Dust Collector - BROCHURE



Dust Suppression Cannon - BROCHURE



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