Truck Loading Spout

Capacity: up to 250 m³/h.
Inlet opening size: 300 mm.
Manufacturing: neoprene/hypalon, kevlar, food grade neoprene

LOADING OF POWDERED OR GRANULATED MATERIALS INTO TANKERS OR OPEN LORRIES

Telescopic truck loading spouts are designed for dust-free loading of tankers, open lorries and wagons.
These loading systems have internal cones to canalize the flow of material and an external double bellows for dust extraction.
At the bottom end of the sleeve, a ballasted and coated cone ensures a dust proof application.

TECHNICAL SPECIFICATIONS

Manual winch or electric lifting
Custom made stroke
Capacitive level indicator, rotating pallet...
Mild steel and stainless steel finishings
Electrical panel and button box
Filtering area: 10 m²

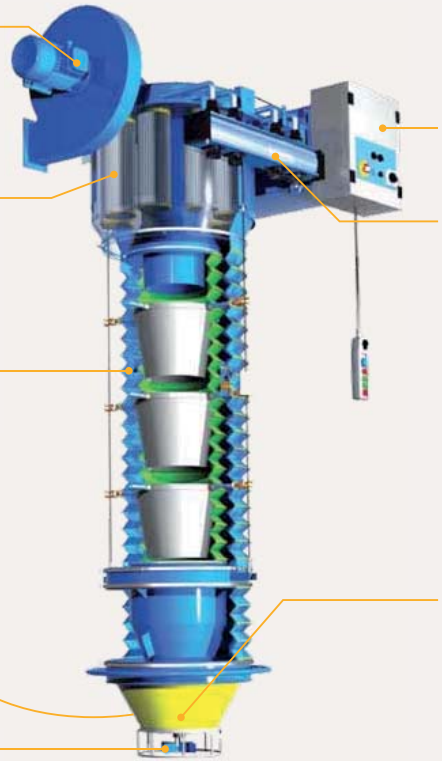
IMPLEMENTATIONS

- Under silos
- Under rotary valves
- Under bucket elevator
- Under screw conveyor
- Under valves

Fan
2.2kW power
Versions without dust removal are provided with a nozzle for dust suction

Integrated filtration system
Pneumatic declogging of the filtering elements and reintroduction of fines through the double bellows vent dedicated to dedusting

Bellows



Electrical control panel avec télécommande filaire ou radio

Lifting motorization cage
All moving parts are protected from corrosion and shock. Two single turns winding pulleys ensure stability and precision during the lifting and lowering of the bellows.
High/low position limit switches and slack rope device

Dispersion cone and anti-waste system

Flexible polymere coated cone
It ensures excellent dustproof during loading operations. The output of the cone can be fitted with an anti-waste device ensuring the closing of the loader in the top position, a barrier to moisture and to the intrusion of insects into the bellows. It also ensures the cleanliness of your workspace.

Level indicator

with pallet

vibration

capacitive

Advantages

Long strokes for adaptability to connection height

Centering cone

Lifting cables external to the product flow

Butterfly or slide valve for product dosing

4 BELLOWS VERSIONS

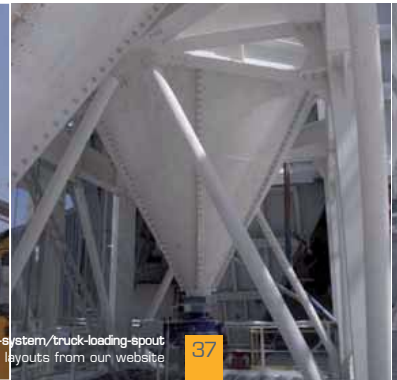
Single bellows

Double bellows

Single bellows with internal cones

Double bellows with internal cones

APPLICATION IN CARBONATE AND AGGREGATES QUARRY



Truck Loading Spout

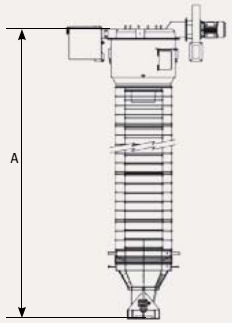
Dimensions

DIMENSIONS

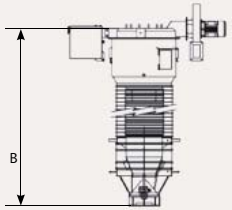
$A_{max.}$ (mm.)	$B_{max.}$ (mm.)	Stroke (mm.)	Weight (kg)
2,050	1,550	500	303
2,330	1,590	740	305
2,630	1,630	1,000	308
2,810	1,650	1,160	309
3,110	1,690	1,420	311
3,390	1,720	1,670	313
3,590	1,750	1,840	315
3,870	1,780	2,090	317
4,170	1,820	2,350	319
4,450	1,850	2,600	322
4,730	1,890	2,840	324
5,030	1,930	3,100	326
5,310	1,960	3,350	328

* Variable dimensions according to the configuration selected

Extended position



Retracted position



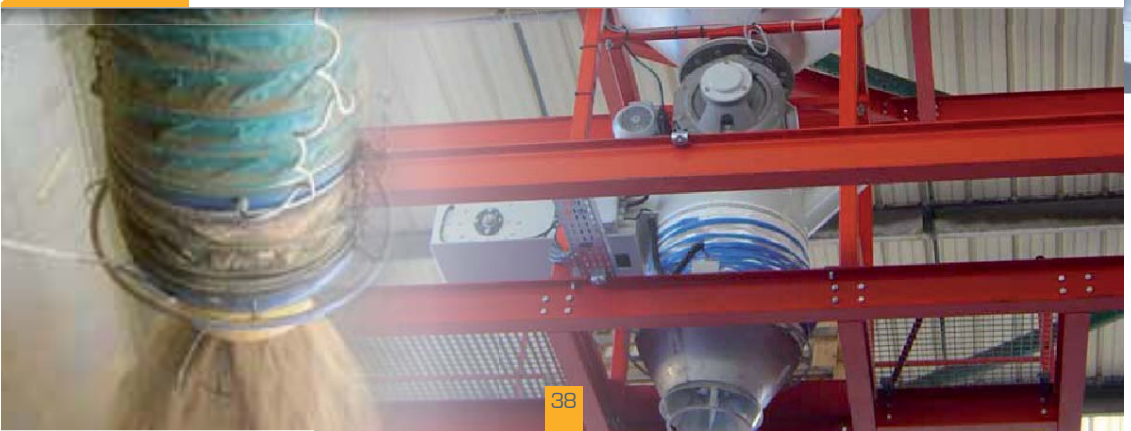
Options

Electrical box with remote control

Filtering system enabling the balancing of volumes and facilitating dust removal and the flow of the material

Dustproof skirt ensuring the suppression of dust raised during loading operations

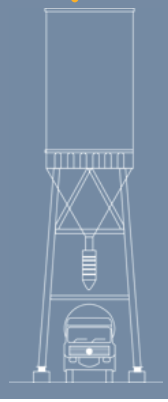
Manufacturing adapted to the treated material



Tank Bulk Loading Station

PALAMATIC PROCESS DESIGNS COMPLETE TURNKEY STATIONS FOR BULK LOADING

Complete skids ensuring the loading tank trucks or wagons offering increased safety for operators and drivers.
Ergonomics and secure access are the major advantages of this type of loading station.



Placement of tanks
Safety lights and/or camera and detached screens for citern parking assistance.

Mezzanine safety gate
Manually or automatically controlled tipping barriers come alongside on tanks to secure the opening phases of the loading holes.

1 **Wagons or tanker loading**

2 **Plateform**

3 **Loading spout**

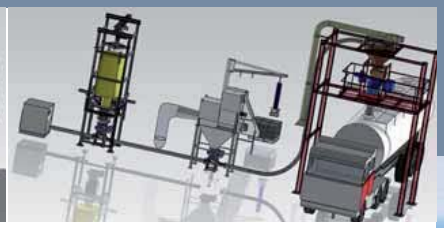
4 **Unloading solutions:**
- big bag discharge station
- sack manual dumping station

5 **Conveying solutions:**
- screw conveyor
- belt conveyor
- pneumatic conveying

www.palamaticprocess.com/powder-machine/conveying-system/truck-loading-spout
Download videos & layouts from our website

Installations





EXAMPLES OF COMPLETE SKIDS


POLYPROPYLENE CONDITIONING

The process consists in feeding trucks with granules at a high rate of 35 t./h. (filling time targeted at 45 min). The installed equipment is the following: high rate automatic sack unloading unit, fibc discharging system, pneumatic conveying with booster, cyclofilter and truck loading spout.
Achieved objectives: increased productivity and operator safety.


CHEMICAL PRODUCTS FACTORY

Chemical production plant: loading of tank wagons from two big bag emptying stations.
The truck loading spout is fed by two conveying screws with no intermediate bearing. The flow capacity of the material is 30 tons/h. (ATEX zone 22)

Test Center

INDUSTRIAL SCALE TESTS & FLEXIBILITY

Equipment TEST CENTER Available

3 STEPS TO VALIDATE YOUR PROCESS

Step 1 - Before Test

- Select the likely optimal machine configuration based on your technical requirements (powders, flow rate, dosing)
- Draft test proposal by our sales-engineers representatives

Step 2 - During Test

- Process validation for product testing
- Perform testing and sample collection
- Discussion on results after the test with machines (phase diagram, degradation tests, fines content)

Step 3 - After Test

- Analysis of machine test data and samples
- Write a summary report
- Collaborate on the optimal solution for your requirements
- Submit a quotation

THE BENEFITS OF MECHANICAL TESTING

- An individual consultation with and on-going support by our R&D engineers
- Confirmation of the appropriate machines to conduct a test with your product
- Tests at various operating conditions to define the most efficient process according to your industrial requirements
- Evaluation of the profitability of equipment configuration
- Possibility to test additional options using PALAMATIC PROCESS' range of products
- Maximize the return on your investment
- Maximize the optimum selection of the proper machine
- Capitalize on the wide experience of our experts

300
+ than **300** configurations

- Come with your materials
- Participate in selecting the test machines
- Maximize your productivity

- + than **300** process configurations
- **2,400** sq. feet of surface dedicated to the test
- **35** industrial machines
- **35** feet of ceiling
- Test with **all types of products**
- **2 support engineers**
- **ATEX** configurations