

Truck Loading Spout



Capacity: up to 8800 ft³/hr.
Inlet opening size: 12"
Manufacturing: neoprene/hypalon, kevlar, food grade neoprene

LOADING OF POWDERED OR GRANULATED MATERIALS INTO TANKER OR OPEN TRUCK BEDS

Telescopic truck loading spouts are designed for dust-free loading of tankers, rail cars or open bed trucks. These loading systems have internal cones to channel the flow of material, and external double bellows for dust extraction. At the bottom end of the sleeve is a ballasted and coated cone to ensure a dust free process.

TECHNICAL SPECIFICATIONS

Manual winch or electric lifting
 Custom made stroke
 Capacitive level indicator, rotating paddles, etc.
 Mild steel and stainless steel finishings
 Electrical panel and button box
 Filtering area: 100 ft²

IMPLEMENTATIONS

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



▶ Stroke length customizable for adaption to various connection heights



▶ Centering cone



▶ Lifting cables external to the product flow

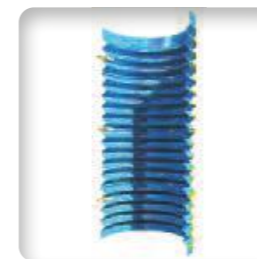


▶ Butterfly or slide valve for product dosing

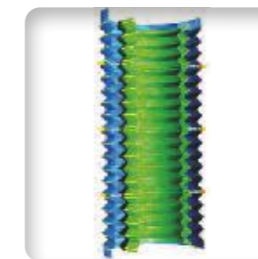
Advantages



4 BELLOWS VERSIONS



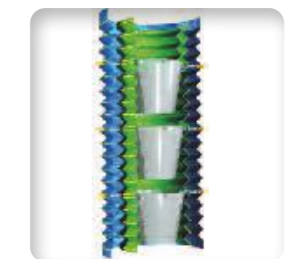
▶ Single bellows



▶ Double bellows

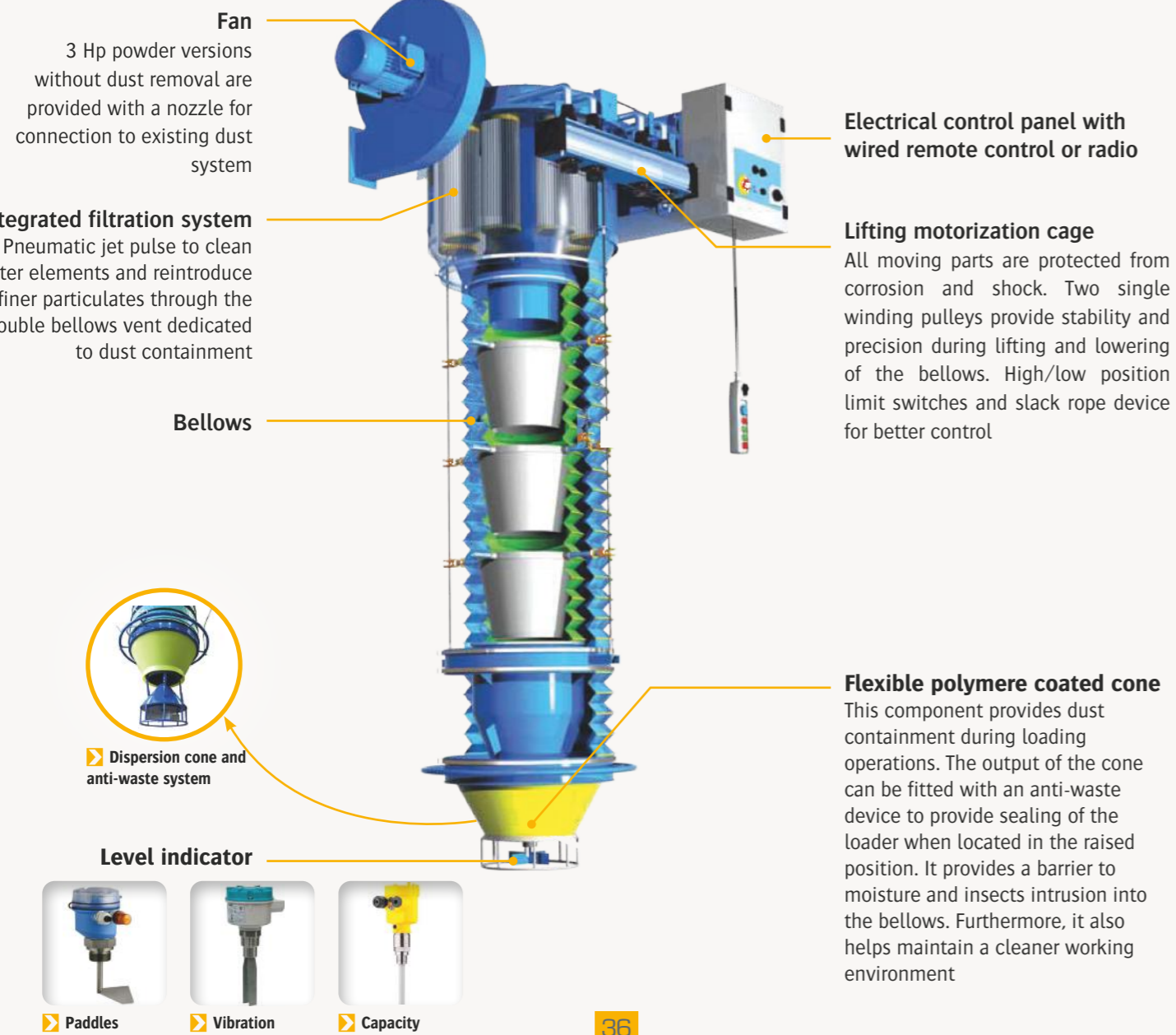
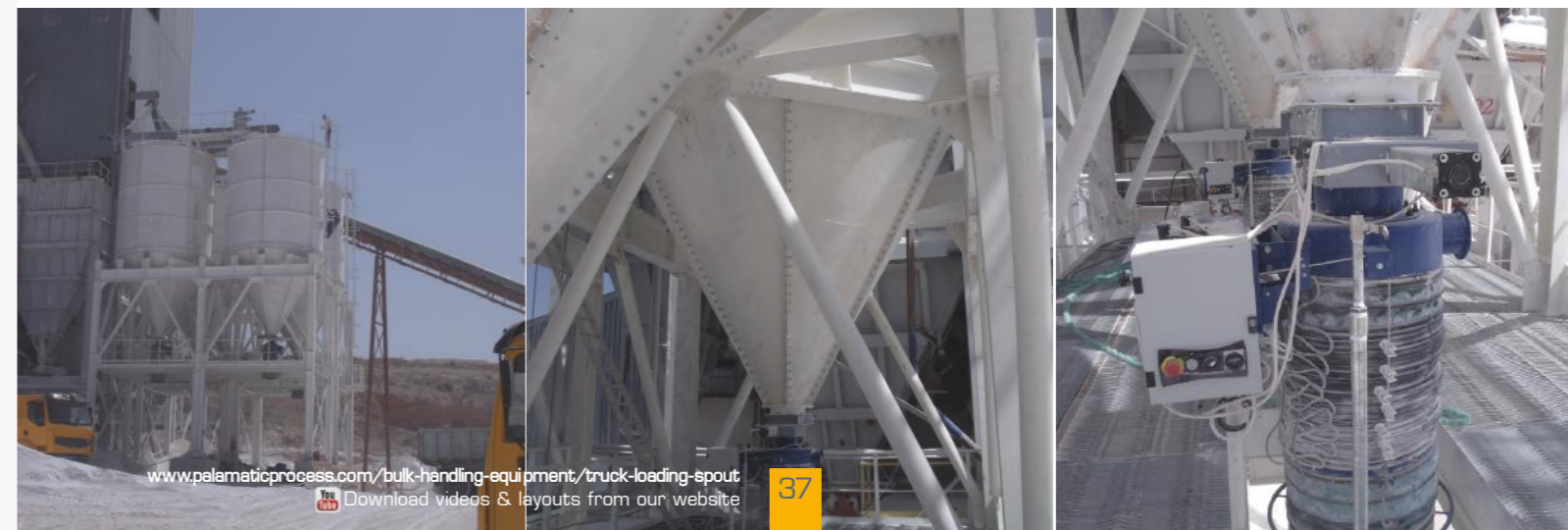


▶ Single bellows with internal cones



▶ Double bellows with internal cones

APPLICATION IN CARBONATE AND AGGREGATES QUARRY



Truck Loading Spout

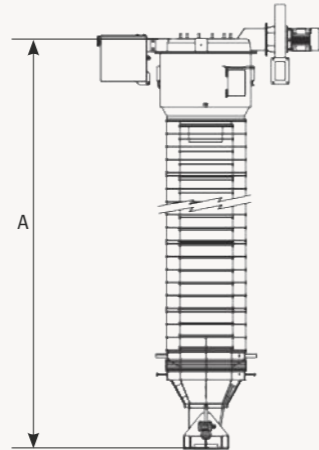
Dimensions

DIMENSIONS

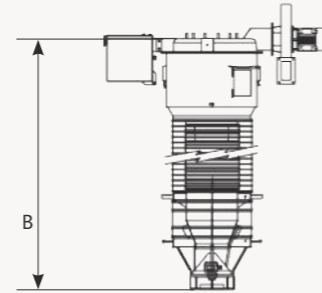
A max (in.)	B max (in.)	Stroke (in.)	Weight (lbs)
80"	61"	19"	668
92"	62"	20"	672
103"	64"	39"	679
110"	65"	45"	681
122"	66"	56"	685
133"	68"	65"	690
141"	69"	72"	694
152"	70"	82"	699
164"	72"	92"	703
175"	73"	102"	710
186"	74"	112"	714
198"	76"	122"	718
209"	77"	132"	723

* Variable dimensions according to the configuration selected

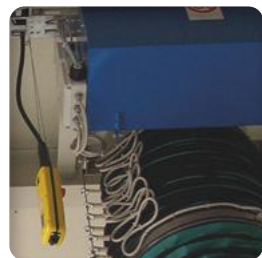
Extended position



Retracted position



Options



Electrical box with remote control



Filter system provides volume balancing and facilitates dust removal and material flow



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

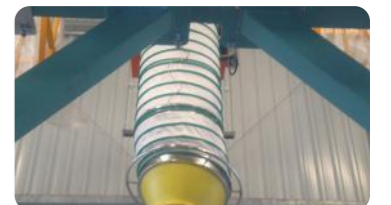
Complete skid provides loading of tanker trucks or rail cars and increased safety for operators and drives. Ergonomic operation and secure access are the main advantages of the loading station.



Rail car or tanker truck loading



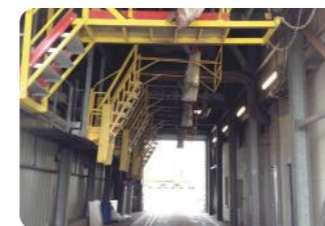
Access platform



Loading spout



Material unloading solutions:
- Bulk bag discharge station
- Sack tip tray



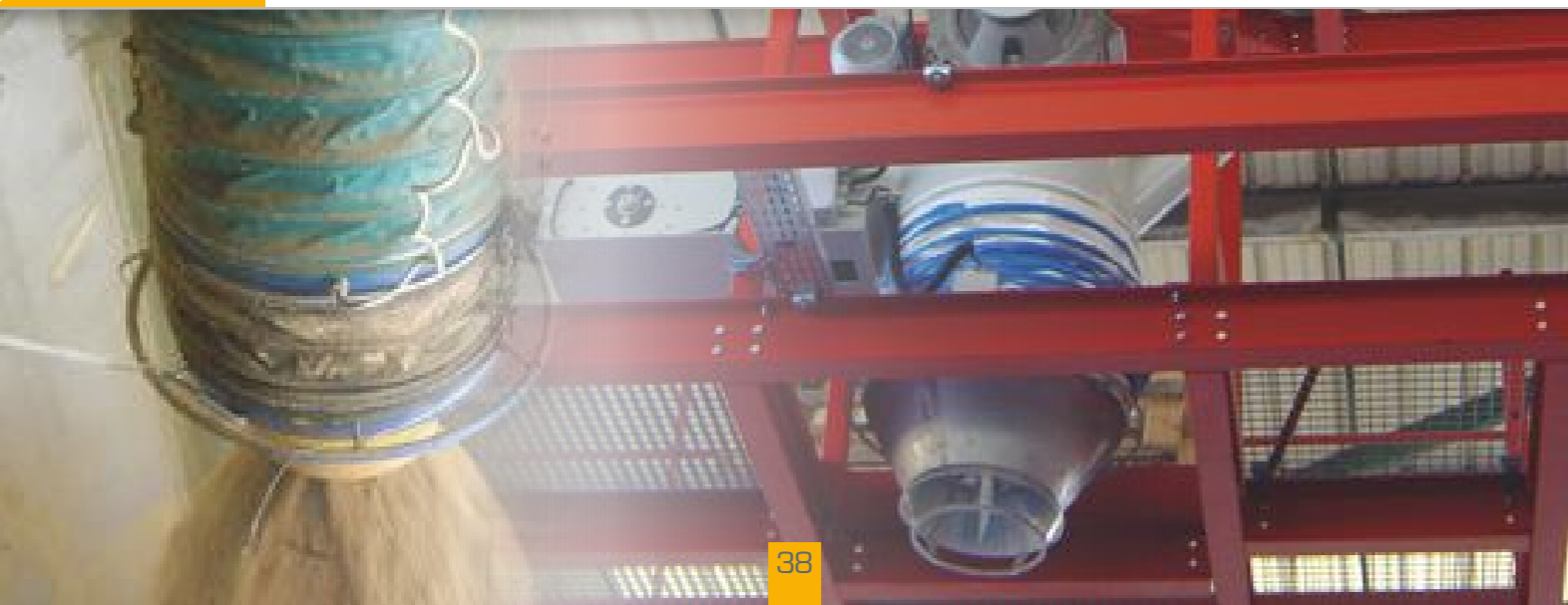
Placement of tanks
Safety lights and/or camera and detached screens for cistern parking assistance.



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



Conveying solutions:
- Screw conveyor
- Belt conveyor
- Pneumatic conveying



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



▶ 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

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

300
+ than **300** configurations

- + 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