

# solids Filling Chute Type TLB



For dust-free loading of bulk solids from silos or processes into trucks or wagons. Version with dual bellows and dustproof docking system.



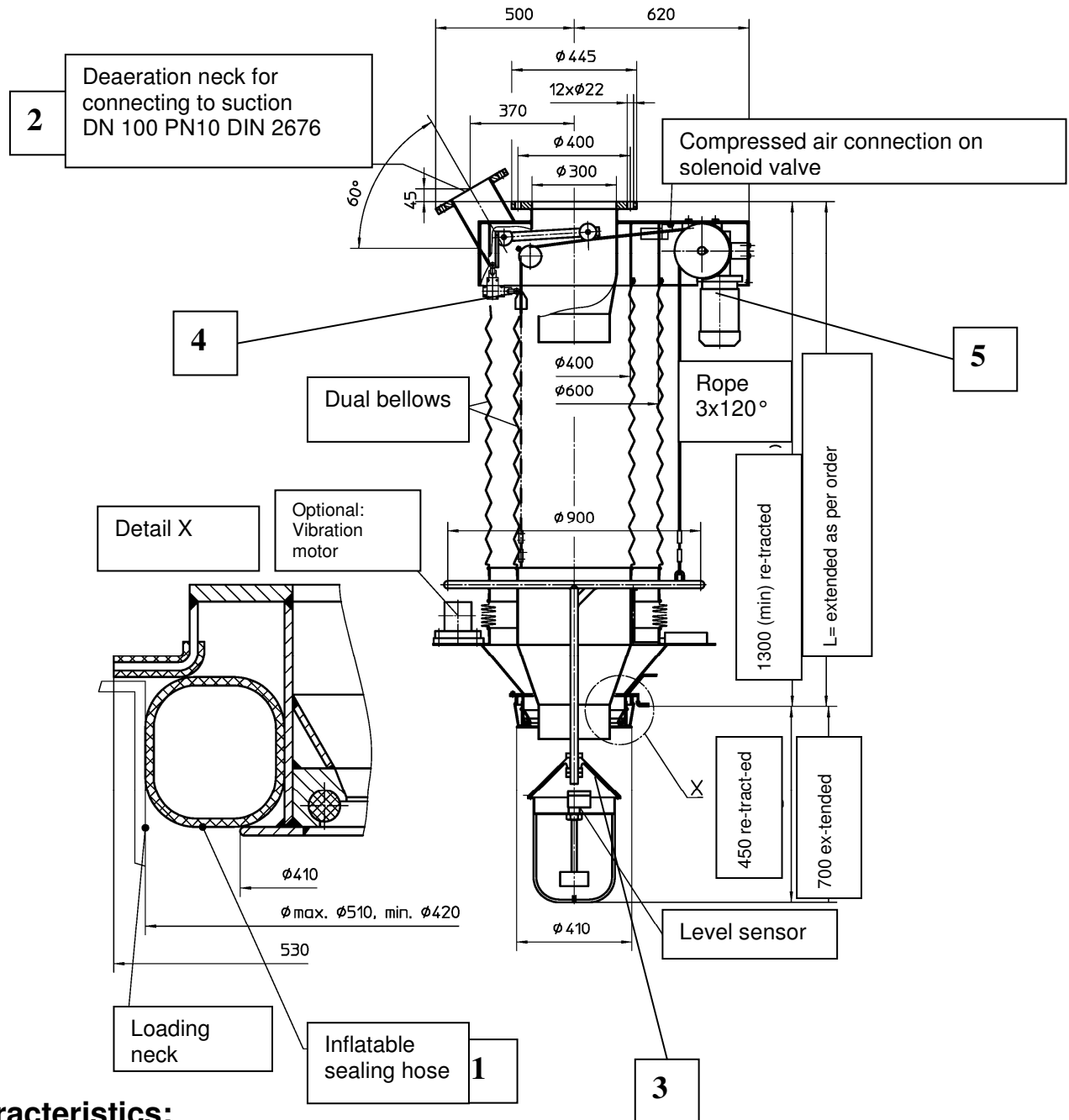
## Advantages:

- Fail-safe due to the electro-pneumatic installation, level sensor, limit switches and complete control unit
- Dustproof due to pneumatically sealed filling neck, no environmental pollution, no cleaning costs
- Less suction air volume, and therefore a smaller air filter and blower
- Reduced investment costs owing to savings in the filter and the blower when feeding the displaced air back to the silo
- Less operating costs owing to high loading capacity and short holding times of the vehicles
- Can be used globally; suitable for almost all bulk solids

S.S.T.-Schüttguttechnik Maschinenbau GmbH  
Lechwiesenstr. 21, 86899 Landsberg / Lech  
Tel. 0049 (0)8191-3359-50 / Fax 0049 (0)8191-3359-55  
E-mail [SST@solids-service.de](mailto:SST@solids-service.de) [www.solids.de](http://www.solids.de)



# solids Filling Chute Type TLB



## Characteristics:

1. Dustproof pneumatic seal of the loading neck due to inflatable blowing hose
2. Connection for suction or deaeration pipeline to the silo; optional with a filter and a blower
3. Seal cone: closes the outlet opening to prevent the product from trickling down when lifting the loading head
4. Limit switch for the "Top" and "Bottom" positions
5. Geared motor for lifting and lowering



# solids Filling Chute

## Type TLB



### Function:

The TLB type loading chutes with the electrical winch version are intended for dust-free loading of silo trucks from silos and bunkers, wherein the filling openings of a silo truck are placed exactly below the loading chute.

The loading telescope moved to the idle position is then released using the electrical winch until the rest is positioned on the loading opening.

At the same time, the conical seal moves to the end of the loading telescope so that the filling process can start.

When the electrical contact is established, a level sensor installed below the conical seal indicates that the corresponding tank section of a silo truck is filled. This prevents the filling neck from overflowing and dust from coming out.

The product volume per time unit must be set using controllable metering equipment.

A so-called "slack rope switch" switches off the electrical winch motor when the loading chute is positioned on the filling opening or when the loading chute is completely extended.

Another limit switch is activated at the top dead point (loading telescope completely retracted) and the winch motor switches off.

### Main assemblies:

The TLB type loading chute comprises the following elements:

- Upper connection neck with a flange and lateral deaeration neck for the connection of the loading head to an on-site aspiration system.
- Loading telescope, comprises inner and outer bellows.
- Lower loading head, comprising a conical neck that rests on the filling opening, an integrated conical seal for product cut-off; it lifts the intermediate housing when raising the loading chute; with an inflatable sealing hose for dustproof sealing of the truck opening.
- Circular manual guiding ring on the circumference of the loading head; for accurate guiding to the filling opening of the silo truck.
- Three steel traction ropes for the electrical winch.
- Electrical rope winch with a worm gear flanged on a cantilever in the inlet area; self-locking geared motor so that the loading chute stops in its current position if the motor is switched off; with an electrical motor.
- Limit switches, one for switching off the motor at the top dead point and the other as a slack rope switch.
- External lower bellow.