



DESCRIPTION

The STB sack tipping station is a great solution when small amounts of materials have to be fed into the process.

The device is designed for loose products that are delivered in bags up to 50 liters. Provides a convenient way to empty and feed small amounts of product into a main process – e.g. a mixer or a transport system between two remote points in a process plant. It is a safe solution that helps to avoid back injuries and minimize dusting.

Thanks to the modular structure, it can be equipped with a number of functions such as. incl. a bag compactor, a rare earth magnet, a cell valve, a bottom suction unit or a screw feeder.

The built-in exhaust fan with the filter system with automatic cleaning help to keep the device clean.

SPECIFICATION

- SEW exhaust fan 1.1 kW 3×400 / 3×500 VAC
- Cartridge filters with an area of 8-12 m²
- Automatic filter cleaning, using the built-in controller and 6 bar compressed air
- A comfortable top for easy bag positioning and a charging grate (for safe unloading)
- A damper equipped with gas springs and a position sensor activating the exhaust fan or sequential filter cleaning

EXECUTION

- Powder coated carbon steel
- 304 stainless steel (glass or electropolished)
- 316L stainless steel (glass or electropolished)

OPTIONS

- Station with a built-in fan
- Station without a built-in fan, using an external dust extraction system
- Empty bag compactor
- Rare earth magnet
- ATEX version for zones 21 and 22
- The lower part of the station can be used with:
 - screw feeder
 - rotary valve
 - pneumatic transport-
 - butterfly valve or knife gate valve
 - suction lance
 - with a vibrating sieve
- Sack tipping support devices:
 - fluidising pads
 - vibrator



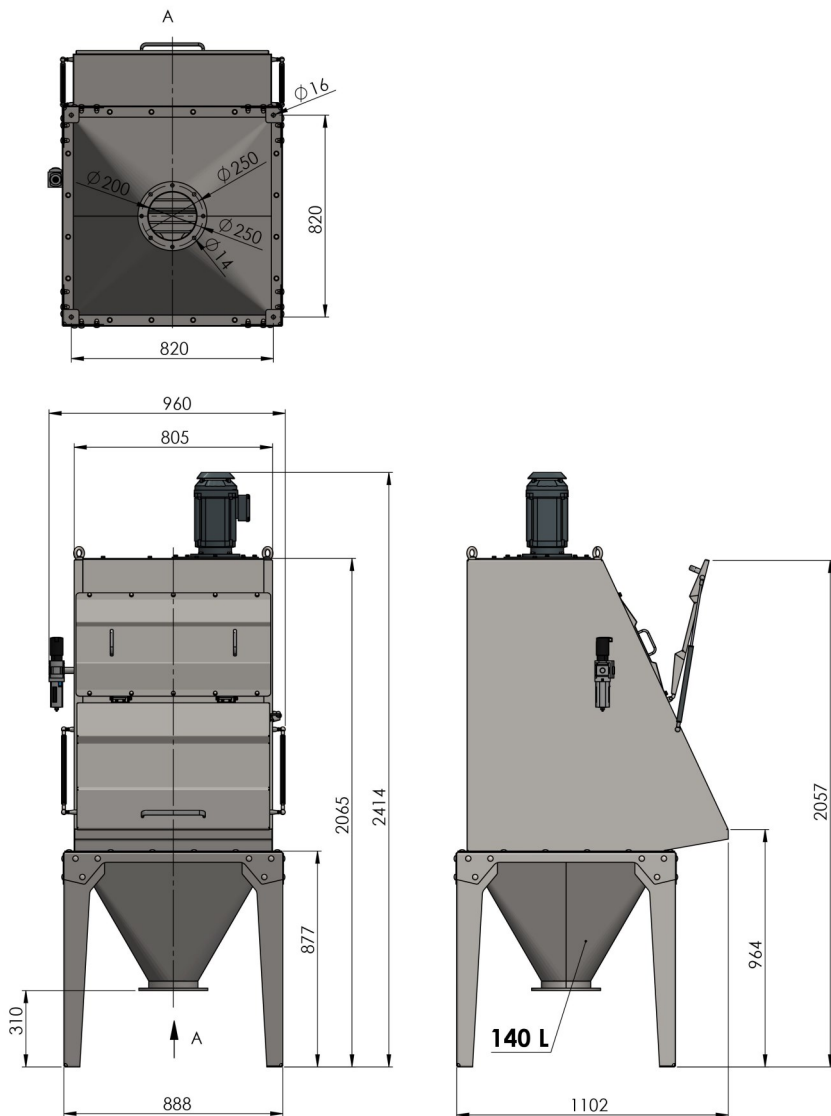
HOW DOES IT WORK?



1. The operator opens the hinged hatch that starts the exhaust fan.
2. The operator places the bag on the station's top inside the station, then cuts it open and pours the contents directly into the station's tank (or the device below). The air flow generated by the exhaust fan causes the dust from the discharged material to be pulled into the center of the station.
3. The dusty air is filtered through the cartridge filters inside the station. After unloading, the operator closes the hatch. The dust deposited on the surface of the filters is blown away by sequentially working compressed air nozzles. Automatic filter cleaning takes place only when the lid is closed and the fan is not running, so as not to create additional dust during unloading.



DIMENSIONS



Note: the dimensions of the station may vary depending on the selected device for the further transport of bulk material.