

Lump breaker - Cleaner SEMB



This equipment provides a high capacity pre-cleaning at bulk product reception before storage for all powdery products, cereals, etc...

It is essential in the corn drying storage installations to remove most of cobs, leaves, stems, stones, etc...

It reduces the number of dryers cleaning operations and limits significantly the clogging.

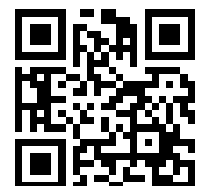
Installed downstream of a cleaning line it protects the handling equipment and lower the work load on the cleaners in order to maximize their capacity.

The SEMB ensures the removal of very small particles (dust in cereals) and undesirable large sized foreign materials.

contact@stolz.fr • www.stolz.fr

Stolz

desmet ballestra



Lump breaker - Cleaner SEMB

Features and options

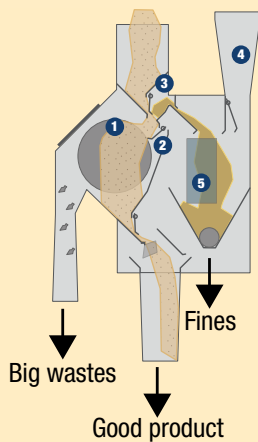
Features

- Continuous operation without shocks.
- Inlet with dispatcher and pre-suction at upper part
- Size of sieve mesh according to use
- Feeding shovel with adjustable slope.
- Suction channel catching the fine wastes.
- Expansion chamber collecting the light wastes
- Screw equipped with a check valve at the end

Options

- Good product discharge hopper
- Large wastes receiving hopper in two parts according to type
- Reclaiming hopper of light wastes beneath the flap box
- Suction nozzle
- Possible damping bend at the inlet of the product to be treated
- Anti-filling sensor with probe
- Built-in pads filter

Operating principle



The removal of large wastes is obtained from the good product passing through the mesh of rotary drum ①, from the outside to the inside of the drum. The size of the sieve mesh will be adjusted to your requirements.

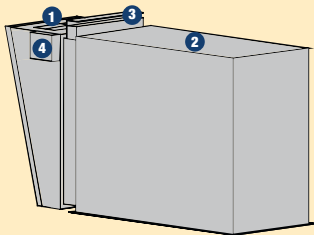
The rotary cylindrical sieve is fitted with an adjustable deflector ② and a rotative brush for cleaning. A wastes screw and a check valve are provided at the outlet.

③ The feeding flap has an adjustable angle and can allow a product by-pass.

The inlet is provided with a dispatcher, with pre-suction at the upper part to ensure a maximum efficiency.

This equipment is fitted with a suction duct ④ producing a strong air flow to bring the fines wastes to an expansion chamber ⑤. The fines are collected and handled by a screw fitted with an insulation flap at its end.

Built-in filter



The filter is a flat textile pad filter type. The continuous cleaning of the filter is ensured by counter-flow air injection. (More information on the pads filter worksheet)

The main elements are:

- ① a filter head receiving the pads support covers and the injection racks
- ② a filtering casing containing the filtering elements
- ③ a distributor with its solenoid valves
- ④ a box containing the control electronic card

Type	Usual reached capacities							
	Wheat	Drycorn	Corn Moisture	Barley	Sunflower	Rapeseed	Soybean	Cocoa
	SW 0.75 H14%	SW 0.75 H15%	SW 0.73 H35%	SW 0.7 H12%	SW 0.4 H8%	SW 0.6 H12%	SW 0.7 H12%	
SEMB 750	200 t/h	170 t/h	130 t/h	180 t/h	160 t/h	180 t/h	120 t/h	60 t/h
SEMB 900	300 t/h	250 t/h	200 t/h	270 t/h	240 t/h	260 t/h	180 t/h	100 t/h
SEMB 1250	500 t/h	420 t/h	300 t/h	440 t/h	380 t/h	450 t/h	300 t/h	170 t/h

Stolz

desmet ballestra

contact@stolz.fr • www.stolz.fr