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.
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

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 product screw and a check valve are provided at the outlet.

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

This equipment is fitted with a suction duct 3 producing a strong air flow to bring the fines wastes to an expansion chamber 4. 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

Usual reached capacities

<table>
<thead>
<tr>
<th>Type</th>
<th>Wheat</th>
<th>Drycorn</th>
<th>Corn Moisture</th>
<th>Barley</th>
<th>Sunflower</th>
<th>Rapeseed</th>
<th>Soybean</th>
<th>Cocoa</th>
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</thead>
<tbody>
<tr>
<td>SW 0.75</td>
<td>H14%</td>
<td>H15%</td>
<td>H35%</td>
<td>SW 0.7</td>
<td>SW 0.4</td>
<td>SW 0.6</td>
<td>SW 0.7</td>
<td></td>
</tr>
<tr>
<td>H12%</td>
<td>H8%</td>
<td>H12%</td>
<td>H12%</td>
<td></td>
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<tr>
<td>SEMB 750</td>
<td>200 t/h</td>
<td>170 t/h</td>
<td>130 t/h</td>
<td>180 t/h</td>
<td>160 t/h</td>
<td>180 t/h</td>
<td>120 t/h</td>
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<td>240 t/h</td>
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<tr>
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<td>440 t/h</td>
<td>380 t/h</td>
<td>450 t/h</td>
<td>300 t/h</td>
<td>170 t/h</td>
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