

Plane sifters PTAG



The PTAG sifter is designed to collect the fines from the pellets to improve the quality of the final product. These fines are redirected to the pellet mill in order to limit product wastes.

The PTAG sifter is based on the principle of suspended casing moved by a circular and horizontal movement.

This sifter is mainly used to process products dedicated to cattle food, but other applications are possible.

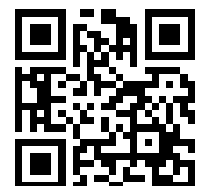
The size of the processed products can vary from 0.5 mm to 25 mm.

The amplitude of the movement is adjustable and then can adapt the speed to the downstream product.

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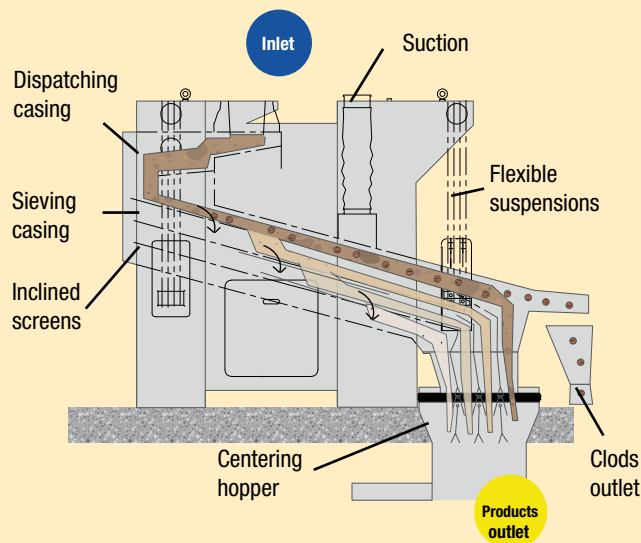
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Features

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- Specific self-balancing system to optimize the product distribution while removing the dynamic stress.
- Suitable to all particle sizes from large pellets to small crumbs.
- Sieved product outlet by mono or multi directional box with flexible circular junction element.
- Low pressure inside the machine recommended.
- Also available with a crumbler built in at sifter inlet.

Operating principle



The product is introduced into the sifter into a dispatching casing. The inclined bottom ensures the layering to the sieving casing.

The whole unit is moved by an horizontal circular movement. The sieving casing contain 1 to 3 screen levels.

The finest products flow through the screens. Weighted balls ensure the cleaning of screens.

Uppers screens are followed by a lumb breaking grid to remove the large wastes.

Calibrated products are driven to a 4 compartments centering hopper.

An outlet linked to the floor ensure the connection to the downstream installation.

As an option a suction inlet can be provided with that equipment.

Boxes under sifters

The PBSS box fitted at sifter outlet is designed to adjust to the various combination of a manufacturing diagram, thanks to the adjustment of 2 flaps.

The 2 flaps are driven by pneumatic cylinders. There are 9 possible combinations.

Servo control is provided by distributors driven by solenoid valves.

The position monitoring is carried out by inductive sensors fitted on the sides.

Type	Capacity on pellet SW 0.5	Number of cuts	Working area
PTAG-1 101	6,5 t/h	1	1 m ²
PTAG-1 202	6,5 t/h	2	2 m ²
PTAG-1 304	6,5 t/h	3	4 m ²
PTAG-1 102	14 t/h	1	2 m ²
PTAG-1 204	14 t/h	2	4 m ²
PTAG-1 306	14 t/h	3	6 m ²
PTAG-1 104	20 t/h	1	4 m ²
PTAG-1 208	20 t/h	2	8 m ²
PTAG-1 312	20 t/h	3	12 m ²
PTAG-2 108	40 t/h	1	8 m ²
PTAG-2 216	40 t/h	2	16 m ²
PTAG-2 324	40 t/h	3	24 m ²

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