Cimbria DELTA Pre Cleaner type 142 is a versatile screen cleaner specifically designed for pre cleaning of all cereals, maize, rape seed, peas and similar products before drying or storage using a 5 or 7 m² area in conjunction with a sophisticated aspiration system.

The screen cleaning effect is increased by Cimbria’s highly effective pre and after suction system extracting light impurities from both the machine inlet and outlet. The sucked waste, dust and light weight trash is deposited in the aspiration opening of a discharge auger which is equipped with a multiflap air lock system to prevent ingress of air, i.e. false air.

The expansion chamber is suitable for connection a separate exhaust fan or a central exhaust system.

The type DELTA 142.1 is using 5 m² screen area consisting of 1m² scalping screen and two rows of 2 m² pre or grading screens. (The third row is not applied). For standard pre-cleaning the top and bottom screen are used. When grading of Paddy for instance, the two lowest screens are used.

The type DELTA 142.2 is using all 7 m² screen area, where the two lowest rows work in parallel as grading screens.

The self cleaning screens with ball boxes are manufactured in a standard size so that they fit all other types of DELTA screen cleaners and are available with various round or oblong perforations according to the material to be cleaned. The ball boxes are designed so that it is not necessary to take out the boxes when changing the screens.

All the shutters and air valves are adjusted and controlled from the sacking off side of the machine. Like all other DELTA screen cleaners the base and the frame of type 142 is build in heavy gauge pressed steel of a very rigid construction.

The screen boats are manufactured of selected insect and moisture resistant marine plywood.

The light weight product separated at the air screen is conveyed in expansion chamber to the sacking off point.

One Screw conveyor discharges the products separated in the suction channel to the expansion chamber.

Lightweight particles are “air separated” at the screen which is positioned under the suction opening of the after suction channel.

Thefeed gate will only be adjusted when the opening need to be bigger due to difficult flowing products, i.e. grass seed.

1. Adjustable feed gate

The feed gate is using a 5 or 7 m² screen area consisting of

The capacity may vary depending on the waste quantity and the moisture content.

Overall dimensions:

Height (without fan) 2245 mm
Length 2450 mm
Width 1940 mm

Total screen area:

Type 142.1 5 m²
Type 142.2 7 m²

Motors

Shaker feeder 0.75 kW
Fan - CM82 (optional) 5.5 kW

Air volume:

Pre- and after suction 6400 m³

Dynamic load (4.6-4.8 Hz)

PH = +/-1976N, PV1 = +/- 3050N, PV2 = +/- 1421N (10N = 1 kg)