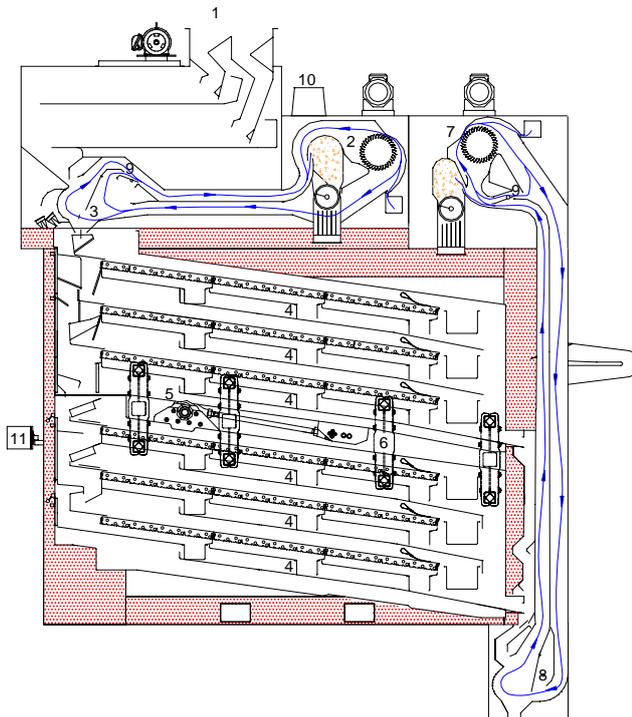


Cimbria DELTA Mega 168



Cimbria Mega Cleaner Type 168 has been developed for high capacity in pre cleaning and grading of grain, peas, rape seed and industrial cleaning of grain and malting barley.

The machine's large screen area with its accurately matched stroke and frequency is completed by Cimbria's highly efficient recirculation of pre- and after suction system.



1. Inlet

Optimal feeding in the full width of the machine is achieved by a shaker feeder with stepless speed adjustment.

2. Pre suction with air recirculation

A precise adjustable airflow from the systems full width impellor, removes dust and fines from the incoming product and discharge it in the screw conveyor outlet and mini cyclone. 800 m³/h of air goes to the central aspiration system.

3. Pre suction air velocity can be adjusted to the specific product.

4. Screens:

(L x W = 1000 x 1800 mm) can all be used as scalping or sifting screens. All the screens are effectively kept clean by means of rubber balls, in steel ball boxes.

The machine has in each row of screens one outlet per screen, and can therefore be provided with screens of different hole sizes.

5. Eccentric drive system for screen boats

Is delivered with fixed speed.

6. Drive Boss suspension system for the screen shoes guarantees a well-balanced performance and with its oscillating screen movement results in the sharpest possible separation.

7. After suction with air recirculation

A precise adjustable airflow from the systems full width impellor, removes light particles from the product flow before it leaves the machine. The lights are lifted to the screw conveyor outlet and mini cyclone. 800 m³/h of air goes to the central aspiration system.

8. After suction air velocity can be adjusted to the specific product.

9. Adjustment of air quantity (2)

For adjustment of air quantity in both the pre- and after suction systems.

10. Central aspiration connection for negative pressure inside the machine: 3.400 m³/h.

11. Adjustment

Remote control of integral motor for shaker feeder, pre suction, after suction and air velocity. The adjustment of the above is placed in a small control box, which is placed on the cleaner.

Pre cleaning: (max 20% moisture content)	
Wheat, Maize, Rape seed	400 t/h
Paddy rice	150 t/h
Peas	300 t/h
Pre cleaning: (max 15% moisture content)	
Wheat	450 t/h
Industrial cleaning based on quality requirements: (max 15% moisture content)	
Wheat	350 t/h
Maize	250 t/h
Rape seed, 98% purity	120 t/h
Paddy rice	100-200 t/h
Peas	240 t/h
Malting Barley	50 t/h
Dimensions:	
Machine height	5310 mm
Machine length	4830 mm
Machine width	2950 mm
Height standard inlet hopper	820 mm
Screen area	32.4 m ²
Square outlet pipes:	
Q-pipes	240 x 240 mm
Motors: (standard)	
Screen	5.5 kW
1 fan pre	4.0 kW
1 fan post	5.5 kW
Shaker feeder	2.2 kW
Air volume:	
Internal air volume (pre- and after suction)	24000 m ³ /H
External suction (60 mm WG)	5000 m ³ /H
Total weight of the cleaner:	
	12200 kg
Freight volume	90 m ³
Dynamic loading at 4.8 Hz:	
PH= +/- 1018 N	PV= +/- 7139 N 10N=1 kg

