

OCRIM

TRC/R

AIR RECIRCULATING CLASSIFIER ASPIRATOR



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Efficient after the 1st cleaning separator to divide light product particles from heavy ones. Separation of light impurities. Particularly suitable to separate germ and bran particles from grits during maize processing.

Two axial type impellers, keyed onto a dynamically balanced rotor, motor driven by means of a belt transmission, allow air recycling for aspiration of light particles.

Vibrating sieve, mounted on spring elements and driven by vibromotor, allows stratification and subsequent classification of grains in two streams of different density and calibration: 70% heavy, 30% light.

An aspiration point connected to the general system allows the suction of air in a quantity corresponding to approximately 10% of the recirculating air thus keeping the machine under negative pressure and avoiding the formation of bacterial charges over the internal walls.

Aspiration channel, found below the vibrating sieve, for vertical grain stratification and separating chamber of impurities, complete with feed screw for removal of light screenings.

Cleaning of sieve area is ensured by use of rubber balls.

Adjustment of air stream by means of valves and flaps. Large inspection panels and internal lighting allow easy visual control.

- A Product inlet
- B Heavy product fraction
- C Light product fraction
- D Screenings
- E Aspiration

- 1 Inlet
- 2 Sight glass
- 3 Working deck
- 4 Vibrating sieve
- 5 Vibromotor
- 6 Pads to prevent vibrations
- 7 Driving motor
- 8 Lighting
- 9 Air adjusting valve
- 10 Impellers
- 11 Aspirating channel
- 12 Screw conveyor driving gearmotor
- 13 Separating chamber

