



Destoner MTSC. For an efficient cleaning.



Application

For separating stones from a continuous product stream. Reliable removal of high-density impurities such as stones and pieces of metal and glass is achieved on the basis of differences in specific gravity. Design: with or without air-recycling system.

Mode of operation

The gravity-fed grain is spread by a feeder, which at the same time acts as an air seal, across the entire width of the machine. On the preseparation screen, the product stream is stratified according to its specific gravity by the oscillating motion of the screen and by the air flowing through the product from bottom to top. The light particles collect at the top, and the heavy ones including the stones at the bottom.

Destoner MTSC. Execution with one screen deck.

The lower layer with the heavy particles flows upward and is fed to the final separation zone of the bottom destoning screen. Final separation of the stones from the grain is accomplished by a countercurrent of air. The stone-free product streams on the two screens float on cushions of air, flowing slowly toward the product outlet. Discharge is effected through rubber squeeze valves.

The sieve box is supported by hollow rubber springs and is caused to oscillate by one or two vibrators depending on machine execution.

The inclination of the screens, the air volume and final separation can be individually adjusted to achieve the optimum degree of separation. For capacities below 6 t/h, the machine is applied with a single screen deck.

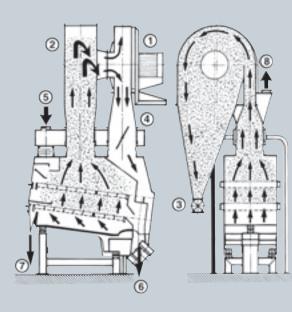
Destoner MTSC. With air-recycling system.



Destoner MTSC. Execution with air-recycling system and two screen decks.

- Excellent separation degree
- High specific capacity
- Various applications
- Reliable
- Easy operation and maintenance

Destoner MTSC. Various applications.



A special separator is installed ahead of the fan. The separator deflects the aspirated air through a lamellar system so that dust and chaff are separated from the air and discharged by an airlock valve. The cleaned air is returned by the fan in the air return duct to the destoner.

- 1 Fan
- MANU air-recycling separator
- Airlock
- ④ Air return duct
- Product inlet
- 6 Product outlet
- ⑦ Stones
- (8) Aspiration connection
 - (necessary for dust-free operation of the machine)

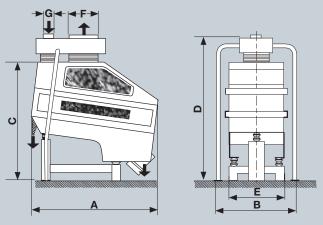
Туре Aspiration without or with Product Capacity MANU air-recycling system air-recycling system MANU type MTSCt/h Fan kW m³/min. 65/120 E Wheat 6 70 65/120 Wheat 6–12 70 120/120 Wheat 12-22 130 65/120 EU 6 35/40 Wheat 5.5 8 65/120 U Wheat 6-12 35/40 8 5.5 120/120 U Wheat 12-22 11 35/70 12 65/120 E Durum 4 70 65/120 Durum 4–8 70 120/120 Durum 8-14.5 130 65/120 EU 4 35/40 Durum 5.5 8 65/120 U 4–8 35/40 Durum 5.5 8 120/120 U Durum 8-14.5 11 35/70 12 65/120 E 4.5 Corn (Maize) 70 65/120 4.5-9 70 Corn (Maize) 120/120 Corn (Maize) 9-16.5 130 65/120 EK 0.7 40 Wheat germ separation

Capacity table. The capacities specified refer to dry grain in the first cleaning stage.

E = 1 screen deck U = with air-recycling system EU = 1 screen deck, with air-recycling system

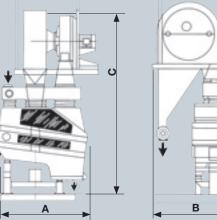
EK = 1 screen deck for wheat germ separation

Destoner MTSC. Custom-made solutions.



Execution without air-recycling system: dimensions, technical data, weights, etc.

| Туре | | | | | | | | | · · · | Low pres- sure | ores- in kg | | | Volume of sea- packing | |
|---------------|------|------|------|------|------|-----|-----|-----|-------|----------------------|----------------|-----|-------|------------------------------|------|
| | А | в | с | D | Е | F | G | cm | cm | ment kW | of air mbar | net | gross | by sea | m³ |
| MTSC-65/120 E | 1600 | 1000 | 1195 | 1545 | 660 | 350 | 120 | 65 | 120 | 1 x 0.3 | 12 | 310 | 425 | 485 | 3.25 |
| MTSC-65/120 | 1600 | 1000 | 1445 | 1805 | 660 | 350 | 120 | 65 | 120 | 1 x 0.3 | 12 | 400 | 525 | 590 | 3.75 |
| MTSC-120/120 | 1600 | 1540 | 1445 | 1805 | 1200 | 500 | 120 | 120 | 120 | 2 x 0.3 | 12 | 600 | 765 | 845 | 5.5 |





| Туре | Dimensions in mm | | | Screen width | Screen length | | | Approx. weights in kg | | | |
|----------------|------------------|------|------|-----------------|------------------|------------|------|--------------------------|-----------|----------------|--|
| | А | в | с | cm | cm | ment kW | net | gross | by sea | m ³ | |
| MTSC-65/120 EU | 1700 | 1366 | 2785 | 65 | 120 | 1 x 0.3 | 745 | 990 | 1110 | 6.95 | |
| MTSC-65/120 U | 1735 | 1366 | 3045 | 65 | 120 | 1 x 0.3 | 835 | 1095 | 1225 | 7.6 | |
| MTSC-120/120 U | 1962 | 1632 | 3314 | 120 | 120 | 2 x 0.3 | 1270 | 1605 | 1775 | 11.55 | |

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