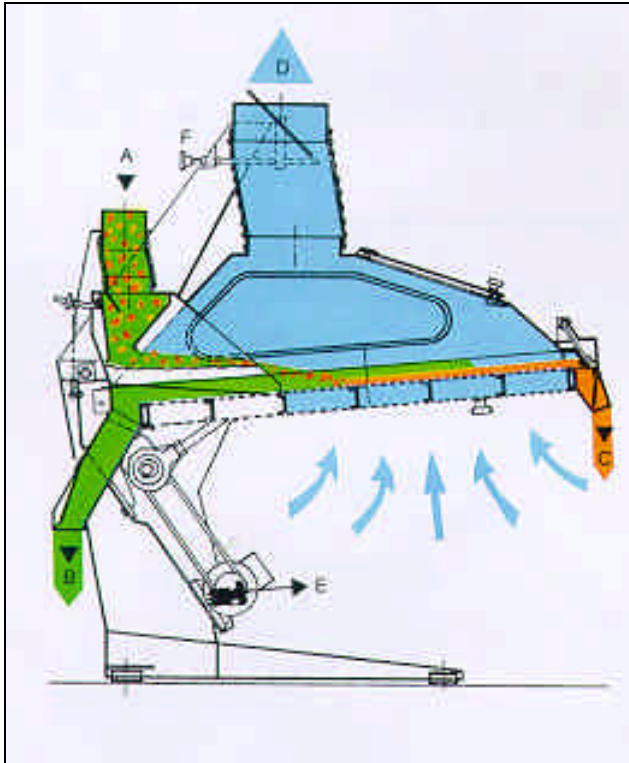


Data Sheet 220

Dry Stoners TS 90-S



Dry stoners are used to separate granular material according to the specific weight into two fractions and in dry material condition. They find their application mainly in the elimination of heavy impurities, such as stones, metallic particles, etc., from coffee, grain, pulse etc.



The granular material to be separated is taken to the table deck (in its conveying direction) through an adjustable spring-actuated flap.

Depending on the grain size, the deck surface, with its adjustable inclination of 6-15°, is covered by a fine-meshed or a large-meshed wire cloth, through which a steady and adjustable airflow is aspirated.

The combined effect of the vibrating movement and of the air passing through the deck causes an arranging in layers of the material flowing in (fluidization).

The heavy admixtures sink towards the bottom and are moved to the highest point of the table deck surface (stone outlet) by the contact with the rough deck covering.

The main product (cleaned product) floats towards the top and flows, against the conveying direction of the table, to the lowest point of the deck surface, the cleaned product discharge. In the outlet area of the heavy particles, a „counter-air flow zone“ avoids the cleaned product being discharged into the heavy particles outlet during operation. On request the machine can also be equipped with a residual discharge (standard version, working inclination +

8°) to facilitate a rapid table discharge (i.e. for change of product).

- A. Intake
- B. Outlet for cleaned product
- C. Stone outlet
- D. Connection for aspirated air
- E. Adjustment of table inclination
- F. Adjustment of aspirated air volume
- G. Intake

Total electrical		
Power consumption:	0.37	kW
Air demand (at 600 Pa):	65	m ³ /min
Capacity:		
Wheat:	5	t/h
Raw coffee:	3.8	t/h
Roasted coffee:	2.5	t/h
Paddy:	2.8	t/h
Weight:		
Net	185	kg
Packed (truck)	215	kg
Dimensions:		
Length	1430	mm
Width	980	mm
Height	1500	mm

Technical data can vary for certain of the above due to continued development, or a different machine composition.

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