HELEX

PRECISION BY DESIGN

FILTER UNITS

Filter Unit with Collection Bags

Dust extraction · Sawdust and wood dust · Several machines simultaneously

Filter unit for dust extraction in woodworking, with 96 cylindrical filter elements and direct collection in eight transparent bags.

MODEL HE 160 FS

16000 m^3/h	**90** m^2	**96**	**2** m^3
AIRFLOW	FILTER AREA	FILTER ELEMENTS	COLLECTION VOLUME



/ Application & Use

The HELEX HE 160 FS is a filter unit for the extraction of sawdust and wood dust. It extracts the material from several machines at once and is intended for joinery and furniture workshops and small and medium-sized enterprises, as well as for panel and solid wood processing machines. It collects sawdust and wood shavings as well as dust from machining wood, particleboard and MDF.

The filter housing contains 96 cylindrical filter elements, Ø 160 x 1780 mm, with a total filter area of 90 m². The airflow is 16000 m³/h.

The material is collected directly, without hoppers, in eight transparent bags, Ø 600 x 1000 mm, fitted to the bag mounting frame, with a total collection volume of 2 m³ (2000 l).

/ Applications & Collected Materials

APPLICATIONS

- Extraction for joinery and furniture workshops
- Small and medium-sized enterprises
- Panel processing and solid wood processing machines
- Extraction from several machines simultaneously

COLLECTED MATERIALS

- Sawdust and wood shavings
- Dust from machining wood
- Dust from machining particleboard and MDF



Transparent collection bags fitted to the bag mounting frame, without hoppers.

/ Structure and Configuration

1. **Filter housing**
   96 cylindrical filter elements, Ø 160 x 1780 mm, total filter area 90 m², airflow 16000 m³/h.
2. **Air connections**
   Function, number and diameter of the connections are specified in the quotation.
3. **Bag mounting frame**
   The collection bags are fitted directly to the frame under the filter housing, without hoppers.
4. **Transparent collection bags**
   Eight bags, Ø 600 x 1000 mm, total collection volume 2 m³ (2000 l).
5. **Support legs**
   The unit stands on support legs.
6. **Lifting lugs**
   Lifting lugs for handling the unit.



Front view: filter housing, bag mounting frame and transparent collection bags.

/ Technical Data

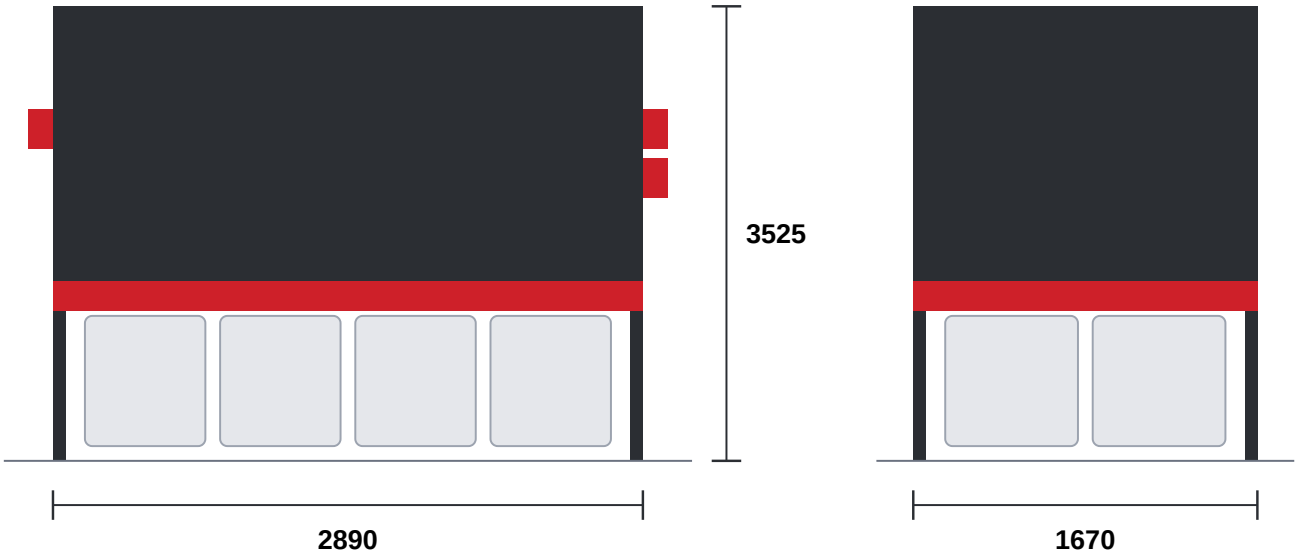
Specification	HE 160 FS
Model	**HE 160 FS**
Machine type	**Filter unit**
Collected materials	**sawdust and wood shavings; dust from machining wood, particleboard and MDF**
Airflow	**16000 m³/h**
Filter area	**90 m²**
Filter elements: number / dimensions	**96 cylindrical filter elements / Ø 160 x 1780 mm**
Material collection and discharge system	**Direct collection in 8 transparent bags, without hoppers**
Collection containers: number / dimensions	**8 transparent bags / Ø 600 x 1000 mm**
Total collection volume	**2 m³ (2000 l)**
Overall dimensions (L × W × H)	**2890 x 1670 x 3525 mm**
Machine weight	**840 kg**

Data according to the technical documentation. The fan (arrangement and power), the air connections (function, number, diameter), the filter media and filter cleaning, the electrical supply, the installation site and the fire and explosion protection are specified in the quotation. Technical data may be updated without notice. Images are illustrative.

/ Overall Dimensions

FRONT VIEW

SIDE VIEW



Dimensions in mm. Schematic drawing, not to scale.

SUPPLIER

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