HELEX

PRECISION BY DESIGN

FILTER UNITS

Filter Unit with Collection Bags

Central dust extraction · Sawdust and wood dust · Several machines simultaneously

Filter unit for central dust extraction systems in woodworking, with 320 cylindrical filter elements and direct collection in 20 transparent bags.

MODEL HE 500 FS

50000 m³/h	298 m²	320	5.5 m³
AIRFLOW	FILTER AREA	FILTER ELEMENTS	COLLECTION VOLUME



/ Application & Use

The HELEX HE 500 FS is a filter unit for central dust extraction systems in woodworking. It extracts sawdust and wood dust from several machines at once and is intended for furniture factories and industrial joineries, and for panel processing and solid wood processing lines. It collects sawdust and wood shavings as well as dust from machining wood, particleboard and MDF.

The filter housing contains 320 cylindrical filter elements, Ø 160 x 1780 mm, with a total filter area of 298 m². The airflow is 50000 m³/h.

The collected material falls directly, without hoppers, into 20 transparent bags, Ø 600 x 1000 mm, fixed to a bag mounting frame. The total collection volume is 5.5 m³ (5500 l).

/ Applications & Collected Materials

APPLICATIONS

- Central extraction for furniture factories and industrial joineries
- Panel processing and solid wood processing lines
- Extraction from several machines simultaneously

COLLECTED MATERIALS

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



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

/ Structure and Configuration

1. **Filter housing**
   320 cylindrical filter elements, Ø 160 x 1780 mm, total filter area 298 m², airflow 50000 m³/h.

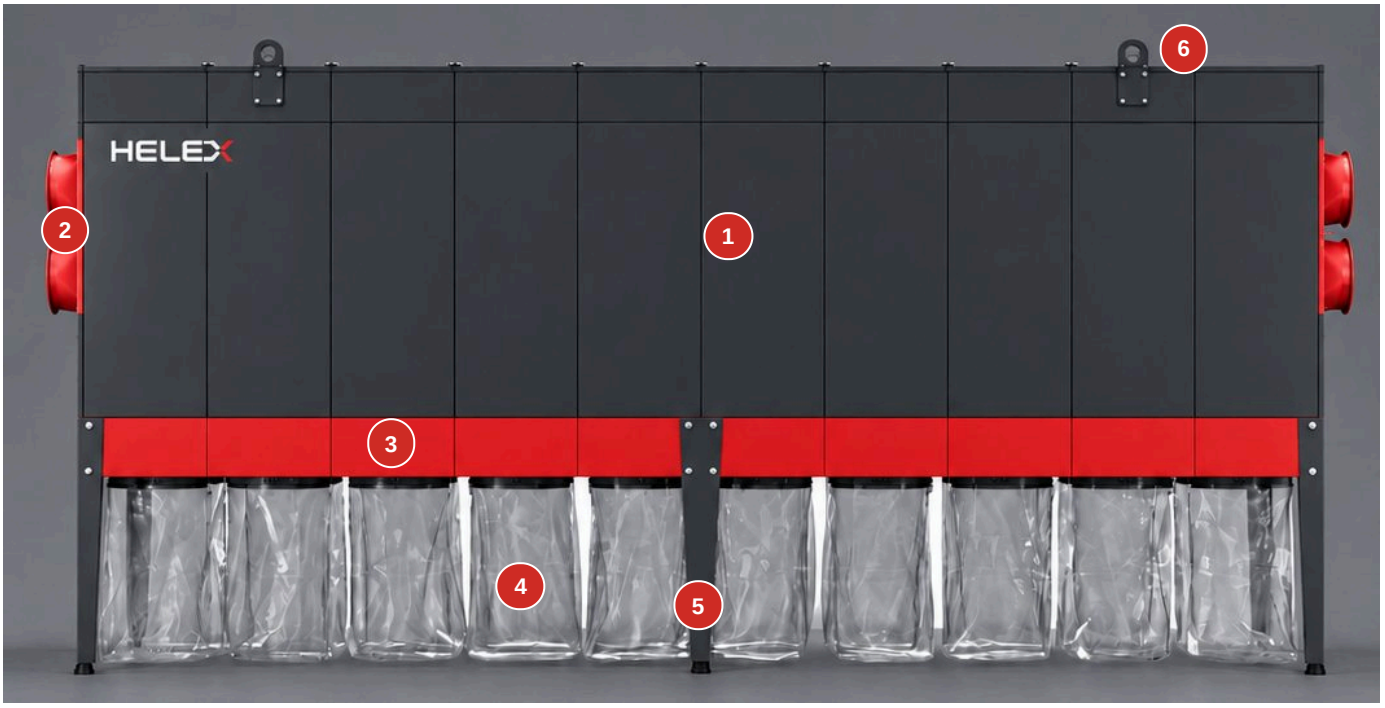
2. **Air connections**
   Function, number and diameter of the connections are specified in the quotation.

3. **Bag mounting frame**
   Frame under the filter housing to which the bags are fixed; collection without hoppers.

4. **Transparent collection bags**
   20 bags, Ø 600 x 1000 mm, total collection volume 5.5 m³ (5500 l).

5. **Support legs**
   The unit stands on support legs.

6. **Lifting lugs**
   Lifting lugs for handling the unit.



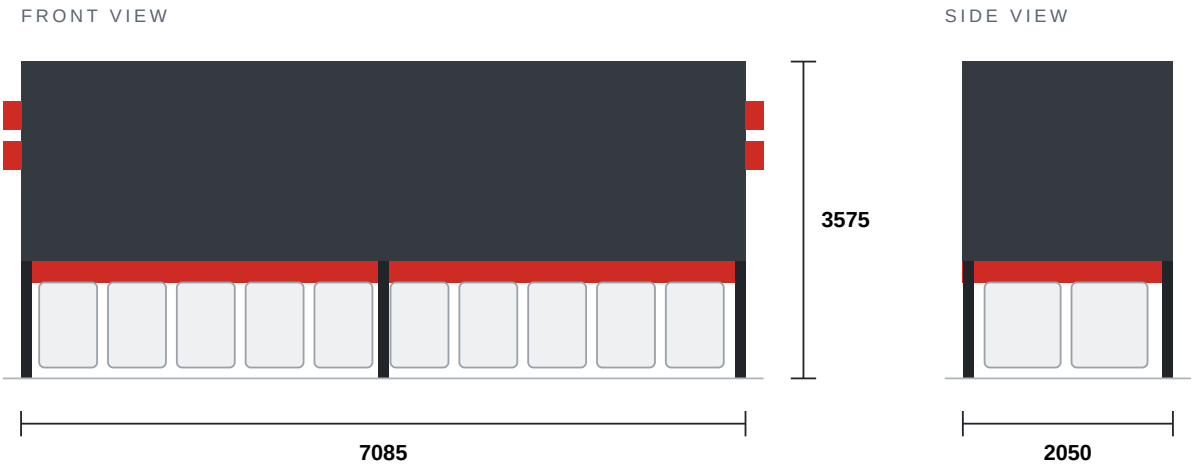
Front view: filter housing, bag mounting frame and transparent collection bags.

/ Technical Data

Specification	HE 500 FS
Model	**HE 500 FS**
Machine type	**Filter unit**
Collected materials	**sawdust and wood shavings; dust from machining wood, particleboard and MDF**
Airflow	**50000 m³/h**
Filter area	**298 m²**
Filter elements: number / dimensions	**320 cylindrical filter elements / Ø 160 x 1780 mm**
Material collection and discharge system	**Direct collection in 20 transparent bags, without hoppers**
Collection containers: number / dimensions	**20 transparent bags / Ø 600 x 1000 mm**
Total collection volume	**5.5 m³ (5500 l)**
Overall dimensions (L × W × H)	**7085 x 2050 x 3575 mm**
Machine weight	**2150 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



Dimensions in mm. Schematic drawing, not to scale.

SUPPLIER

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