Dust collector
SFK-09
Rectangular type

1. Features

This unit is manufactured from sturdy steel sheets. The individual housing parts are assembled from bended metal segments that are bolted together and sealed with silicone-free seals.

Characteristics

- Compact, space-saving design
- Easy to maintain
- Low noise level
- Efficient, energy-saving cleaning with compressed air by means of Filtration Group Multijet nozzle
- Volume flow range 1800 to 32400 m³/h
- Filter surfaces 48 to 540 m²
- Cartridges changed on the dirt air side
- Worldwide distribution
2. Versions

S3, with dust drawer

S1, with dust bucket

3. Modules and accessories

4. Funktional description

The dust-laden air flows into the side of the filter housing (13). The perforated baffle plate (14) in the inlet region assures a uniform flow distribution and enables coarse particles to be pre-separated. As it flows through the cartridge (12), fine dust is separated on the surface. The filter cake is cleaned off at fixed intervals, depending on the dust load and the filter surface load. The detached dust drops down through the hopper (16) and is collected in the bucket (18). The cleaned air flows into the clean air section (8) and is discharged via the blow-out grid (4). The fully automatic compressed air cleaning system comprises a pressure vessel with membrane valves (7), an electronic $\Delta p$ controller (10) and the cleaning units (6).
5. Technical Data

**Dust collector**

**Housing material:** 1.0037 (DIN EN 10025)

**Surface protection:** EPS powder coating, RAL 7035 light grey

**Max. operating pressure:** 50 mbar

**Max. operating temperature:** 50 °C without acoustic hood

40 °C with acoustic hood

**Dust collector capacity:**
- Type S1: 50 l
- Type S3: 200 l

**Sizes 010x1 and 020x16:** 1 St.

**Sizes 024x16 and 029x16:** 2 St.

**Cartridges**
- Type 852 032 Ti ... **(328 NKQ data sheet)**

**Cleaning**

**Cleaning system:** Filtration Group multijet nozzle

**Medium:** Oil, dust and condensate-free compressed air at operating temperature

**Compressed air connection:** G ½ female

**Max. air pressure:** 6 bar

**Compressed air consumption:** approx. 60 l to 70 l (fad.) per cleaning cycle

**Pulse duration:** 0.2 s

**Controller:** Δp controlled

**Valves:** Electric membrane valves

* According to version

** Filter material depending on application

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6. Dimensions

<table>
<thead>
<tr>
<th>Type designation</th>
<th>Volume flow* [m³/h]</th>
<th>No. of cartridges</th>
<th>Type of construction</th>
<th>Weight** [kg]</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>fxg</th>
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<td>800</td>
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</table>

* These values may vary depending on the nature of the dust, the composition of the air and the filter media.

** Weight with fan and acoustic hood. These values may vary depending on the size of the fan.

Technical data is subject to change without notice!
7. Ordering example

<table>
<thead>
<tr>
<th>Basic unit</th>
<th>Optional equipment</th>
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<tr>
<td><strong>Type</strong></td>
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8. Design

Please contact us for detailed technical information, any open questions and for general expert advice. Completion of the relevant questionnaire would facilitate in the coordination of all important parameters. Comprehensive documentation on our product range, cleaning units and elements can be provided. For more information about installation and operation, please refer to our Instruction Manual.