Dust collector
SFR-08
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 rotating wing
- Volume flow range 5400 to 26900 m³/h
- Filter surfaces 135 to 360 m²
- Cartridges changed on the dirt air side
- Worldwide distribution
2. Versions

S3, with dust drawer

S1, with dust bucket

3. Modules and accessories

1. Acoustic hood
2. Fan
3. Lamella valve for volume flow (optional)
4. Blow-out grid
5. Lever for lamella valve for volume flow (optional)
6. Pressure vessel with membrane valves
7. Clean air section
8. Differential pressure gauge (optional)
9. Filter controller
10. Pressure reducer
11. Cleaning unit (rotating wing)
12. Dirt air section
13. Dirt air inlet with baffle plate
14. Maintenance door
15. Cartridge
16. Dust collector hopper
17. Rack
18. Dust bucket
19. Centre ring
20. Holding bolt
21. Double centre ring
22. Reusable end cap

4. Funktional description

The dust-laden air flows into the side of the filter housing (12). The perforated baffle plate (13) in the inlet region assures a uniform flow distribution and enables coarse particles to be pre-separated. As it flows through the cartridge (15), 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 (7) and is discharged via the blow-out grid (4). The fully automatic compressed air cleaning system comprises a pressure vessel with membrane valves (6), an electronic Δ p controller (9) and the cleaning units (11).
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: 70 °C without acoustic hood
40 °C with acoustic hood
Dust collector capacity*: Type S1: 50 l
Type S3: 200 l
Maintenance cover (doors): Sizes 016x16 and 020x16: 1 St.
Sizes 024x16 and 029x16: 2 St.
Cartridges Type 852 908 Ti ...** (328 NZ data sheet)

Cleaning
Cleaning system: Filtration Group rotating wing
Medium: Oil, dust and condensate-free compressed air at operating temperature
Compressed air connection: G½ female
Max. air pressure: 4 bar
Compressed air consumption*: approx. 60 l to 70 l (fad.) per cleaning cycle Pulse duration: 1.5 s
Controller: Δp controlled (MFS-05 dp data sheet)
Valves: Electric membrane valves
* According to version
** Filter media depending on application

6. Dimensions

<table>
<thead>
<tr>
<th>Type designation</th>
<th>Volume flow* [m³/h]</th>
<th>No. of cartridges</th>
<th>Size</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>f x g</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFR-08 018 016x16 S1</td>
<td>5400 - 14400</td>
<td>18</td>
<td>016x16</td>
<td>S1</td>
<td>1630</td>
<td>1615</td>
<td>1600</td>
<td>4567</td>
<td>2130</td>
<td>450x450</td>
<td></td>
</tr>
<tr>
<td>SFR-08 018 016x16 S3</td>
<td>7200 - 18800</td>
<td>24</td>
<td>020x16</td>
<td>S1</td>
<td>2090</td>
<td>2035</td>
<td>2020</td>
<td>4567</td>
<td>2130</td>
<td>600x600</td>
<td></td>
</tr>
<tr>
<td>SFR-08 024 020x16 S1</td>
<td>9000 - 22200</td>
<td>30</td>
<td>024x16</td>
<td>S1</td>
<td>2410</td>
<td>2445</td>
<td>2440</td>
<td>4567</td>
<td>2130</td>
<td>2x450x450</td>
<td></td>
</tr>
<tr>
<td>SFR-08 024 029x16 S1</td>
<td>10800 - 26900</td>
<td>36</td>
<td>029x16</td>
<td>S1</td>
<td>2780</td>
<td>2875</td>
<td>2860</td>
<td>4567</td>
<td>2130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Basic unit</th>
<th>Optional equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>No. of cartridges</td>
</tr>
<tr>
<td>SFR-08</td>
<td>018</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.