Dust filter cartridge
328 XZ
Ø 328 mm, high performance cartridge

1. Features

This high-performance dust filter cartridge was developed by Filtration Group Filtersysteme for particularly challenging filtration tasks in the pharmaceuticals and chemical industries. This cartridge design facilitates optimum cleaning of the filter cake in conjunction with the Filtration Group rotating wing. Typical dust deposits are virtually eliminated by completely filling the bottom of the end cap, because almost all deposits on the cartridge are drained off during cleaning. The key features here are the Filtration Group rotating wing and the special pleats, which are supported in an innovative way. The unique design of these cartridges permits wet cleaning with the element installed or removed.

Characteristics
- Washable
- Very high differential pressure stability
- Installation on the dirt side
- Improved cleaning properties
- High load capacity
- Worldwide distribution
2. Technical Data

Material

Inner core: Stainless steel V4A - AISI 316
End caps: Stainless steel V4A - AISI 316
Seal: Silicone foam
Filter material: DRG 5N - Stainless steel wire mesh 1.4404
Ti 07/1 - Electrostatic conductive polyester fleece with PTFE membrane
Ti 08 - Electrostatic conductive polyester fleece
Ti 18/1 - Polyphenyl sulphide with PTFE membrane
Ti 56/2 - Polyester fleece with PTFE membrane

Cleaning

Nozzle: Rotating wing
Cleaning pressure: 3 bar to 4 bar
Differential pressure: max. 30 mbar
Compressed air consumption per cleaning pulse: 50 l (fad) for L = 600 mm
100 l (fad) for L = 984 mm

Compressed air reservoir capacity: approx. 16 l per filter cartridge for L = 600 mm
approx. 32 l per filter cartridge for L = 984 mm

Technical data is subject to change without notice!

3. Order numbers

<table>
<thead>
<tr>
<th>Order number</th>
<th>Type designation</th>
<th>Length L [mm]</th>
<th>Filter material</th>
<th>Filter surface [m²]</th>
<th>Max. vol. flow** [m³/h]</th>
<th>Max. operating temperature [°C]</th>
<th>Electrostatic conductive</th>
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</table>

* Version made of stainless steel V4A - AISI 316 or equivalent with glued pleat backs
** These values may vary depending on the nature of the dust and the composition of the gas.
4. Installation

The dust filter cartridges 852 844/852 979 are fastened to the filter plate on the dirt side by means of a tie bolt (tightening torque approx. 15 Nm). A hole with a diameter of 214 mm must be drilled in the filter plate. Cartridge mounting is facilitated by a centre ring.

5. Accessories

<table>
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<tr>
<th>Order number</th>
<th>Designation</th>
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<td>77934326</td>
<td>Centre ring stainless steel V2A - AISI 304</td>
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<td>79743709</td>
<td>Centre ring stainless steel V4A - AISI 316</td>
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<td>79749631</td>
<td>O-ring silicone 253 mm x 12 mm</td>
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<td>79339219</td>
<td>RLD-32 06 ROH V2 - AISI 304</td>
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6. Cleaning

We recommend cleaning the dust filter cartridge with Filtration Group rotating wing RLD. At begin of the cleaning process the baffle plate closes and the wing starts to rotate. Numerous air jets allow for even, gentle cleaning of the complete cartridge length. The cleaning process is significantly more efficient due to the simultaneous vibration movement in the pleats, particularly important with critical dusts. Each pleat is cleaned repeatedly. By using the rotating wing the optimal service life of the filter cartridge is guaranteed.

7. 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 cartridges can be provided.