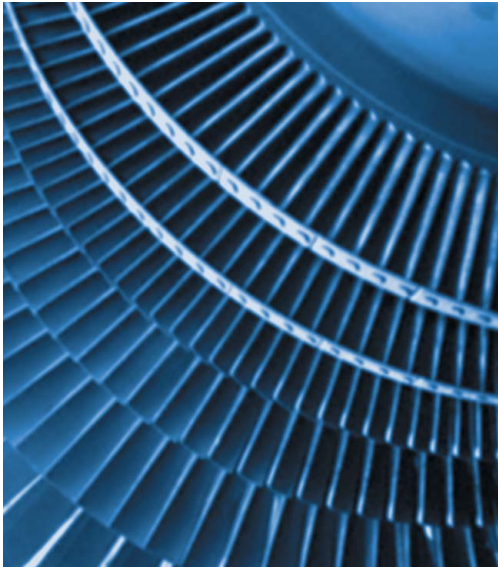




Cylindrical Finedust Filter

Type GR0



Overview

The GR0 cylindrical filter cartridges are especially designed to meet the strict demands of gas turbine air filtration systems. The filter media used in these filters provides extra safe protection

to gas turbines. The outstanding durability and the high efficiency of the filter media decreases the risk of dust entering due to media failure or due to high penetration values.

FEATURES:

- For use in gas turbine air filtration systems with backpulse cleaning
- High quality paper made of cellulose & synthetic components
- Filter is pulse cleanable
- Long lifetime media with high tensile strength
- Lowest initial pressure drop



Finedust - HEPA / ULPA

FILT AIR Ltd.

- Fine Dust Filter
- Final Filter for Fan Filter Units
- Final Filter for Clean Rooms
- Final Filter for Channel Installation
- Highly Active Filter Surface - Low Pressure Drop
- Final Filter for Grid Systems



AVAILABLE STANDARDS:

- High quality standards due Quality Assurance System
- ISO 9001:2008

Design

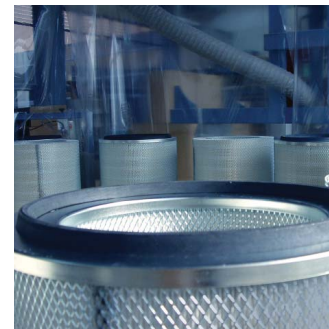
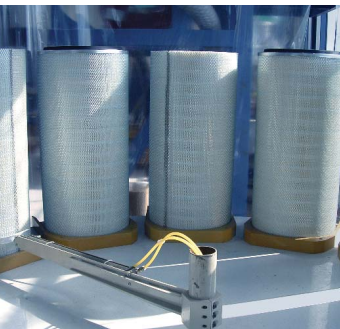
The filter has two zinc-coated steel end-caps on each end. The upper side has a glued cylindrical gasket and the lower one has an attached sealing disk.

The reinforced pleated filter media FA8267 is cast together with the expanded zinc-coated steel screens into the caps with polyurethane. The embossed pleating spacers at the top of each pleat and the hot-melt fixation on the inside ensure the uniform shape of the filter media throughout the filter lifetime.

This construction gives a highly active filter surface with a high dust-holding capacity and a low pressure drop.

Features

- High quality paper made of cellulose & synthetic components
- Filter is pulse cleanable
- Long lifetime media with high tensile strength
- Lowest initial pressure drop
- Zinc coated end caps with glued sealing
- Expanded zinc coated screen with high open surface
- High quality standards due to Quality Assurance System
- Highly economical through high final pressure drop
- For use in gas turbine air filtration with back pulse



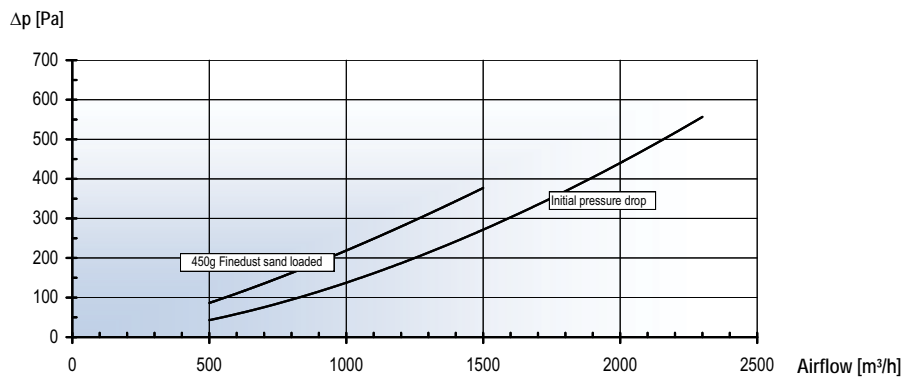
Testing

Every filter is checked for size conformity and is also visually tested for tightness and uniformity. Our laboratory tests tensile strength of both non-pleated and pleated media from the dumb-bell shape of each roll. In addition, the approved cartridge design is evaluated in numerous types of examinations, including dust holding/pressure drop and rust and extreme condition tests.

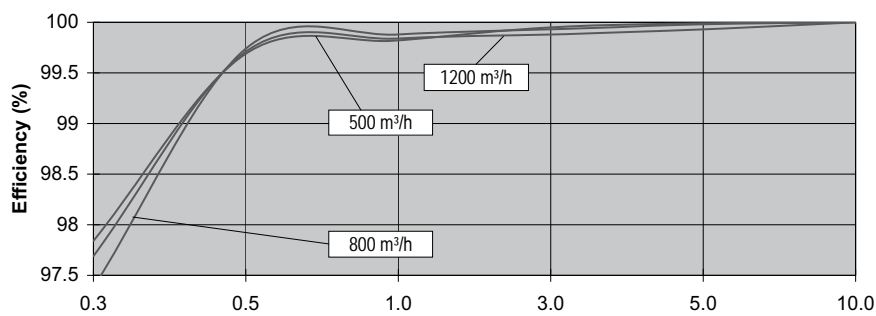
Technical Data

Filter Data		GR0-9466-0032
Pleating height	mm	48.5
Pleats		320
Filter media active surface / cartridge	m ²	>20
Initial pressure drop @ rated airflow	Pa	134
Rated airflow	m ³ /h	1000
Recommended final pressure drop	Pa	600
Flammability classification to DIN 53438		K1/F1
Max. relative humidity	%	100
Max. continuous temperature	°C	80

Pressure Drop



Efficiencies

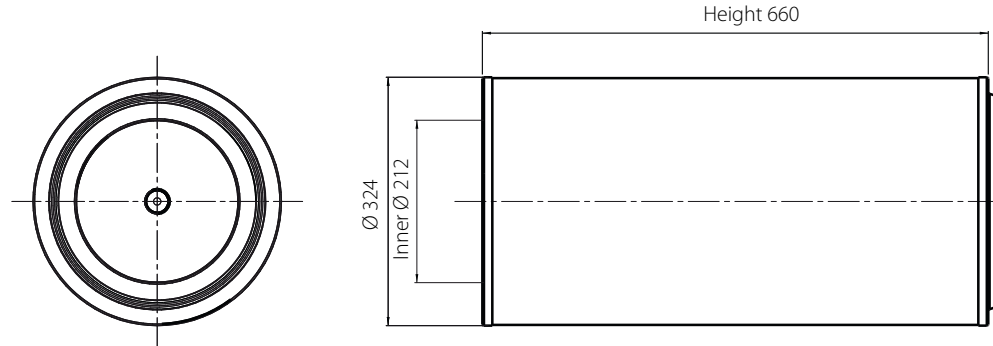


Particle Size	Efficiency (with 450 g finedust sand loaded)					
	500 m ³ /h		800 m ³ /h		1200 m ³ /h	
Airflow per Filter						
0.3 μm	97.69	%	97.38	%	97.84	%
0.5 μm	99.71	%	99.74	%	99.69	%
1.0 μm	99.84	%	99.88	%	99.82	%
3.0 μm	99.88	%	99.93	%	99.95	%
5.0 μm	99.93	%	99.98	%	99.99	%
10.0 μm	100	%	100	%	100	%



Dimensional Drawing:

All dimensions are in mm



Filter Size

Outer diameter	324	mm
Inner diameter	212	mm
Height (without gasket)	660	mm
Weight	6	kg

Order Numbers

Order no.	GR0	A	-	B	-	C	D	E
Example	GR0	94	-	66	-	0	0	32

Paper	A	Height	B	Free	C	Free	C	Diameter	E
Synthetic Cellulose Blend	94	660 mm	66	Free	0	Free	0	Outer Diameter 324 / 212 mm	32
								315 / 240 mm	35

Specifications are subject to change without prior notice

HEPA & ULPA Filters for Industrial Clean Rooms

FILT AIR Ltd. specializes in the use of advanced technologies to implement a purified air supply for high-tech industry clean rooms, the microelectronics business sectors, and pharmaceutical industries. FILT AIR Ltd. has a broad range of client groups, such as hospitals, industrial plants, commercial buildings, and companies requiring clean air inside gas turbines.

FILT AIR's range of products is designed and produced in order to achieve the highest possible quality and offers safety and reliability with optimum prices and product availability. Since 2001, FILT AIR Ltd. has been registered and certified for Quality Management according to ISO 9001 (Registration No: IQNet: IL-24203).

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