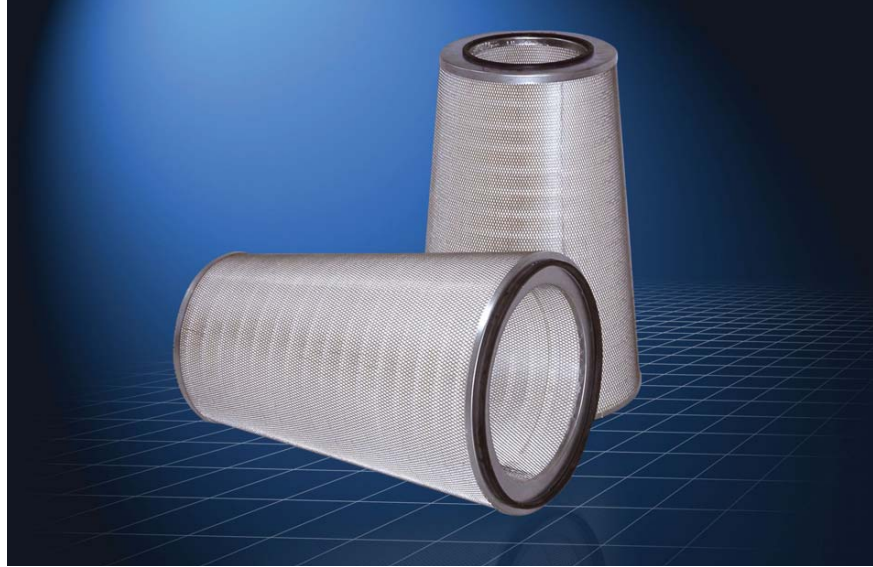
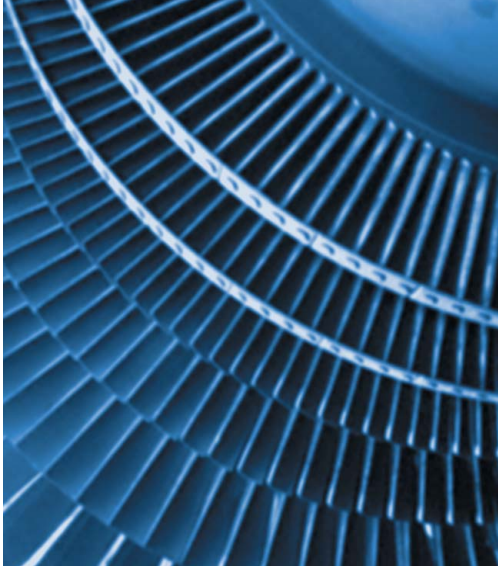




Conical Finedust Filter

Type GRV



Overview

The GRV conical filter cartridges are especially designed to meet the high demands of gas turbine air filtration systems. The special filtration media provides maximum protection for the

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

FEATURES:

- For use in gas turbine air filtration systems with backpulse cleaning
- For use with filter type GR0 as filter pair
- High quality paper made of cellulose & synthetic components
- Filter is pulse cleanable
- Long lifetime through 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



Design

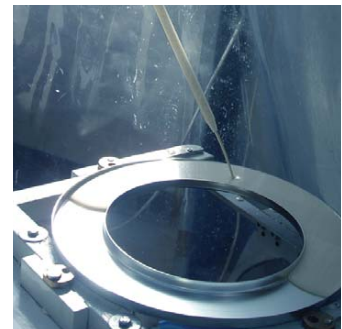
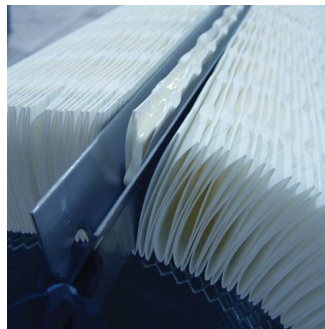
The fibers at the top of each pleat and the hot-melt fixation on the inside ensure the uniform shape of the filter media throughout the filter lifetime.

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

- For use with GR0 as filter pair
- High quality paper made of cellulose & synthetic components
- Filter is pulse cleanable
- Long lifetime through 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 according to **ISO 9001:2000**
- Highly economical through high final pressure drop
- For use in gas turbine air filtration with back pulse

AVAILABLE STANDARDS:

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



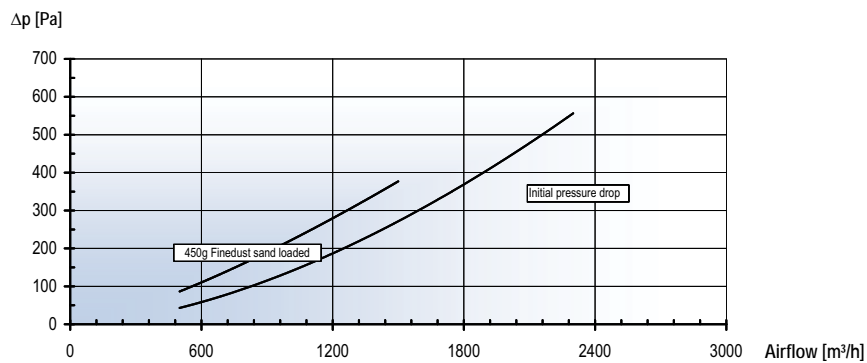
Testing

Every filter is checked for size conformity and is also visually tested for tightness and uniformity. Our laboratory tests the tensile strength of both un-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, rust, and extreme condition tests.

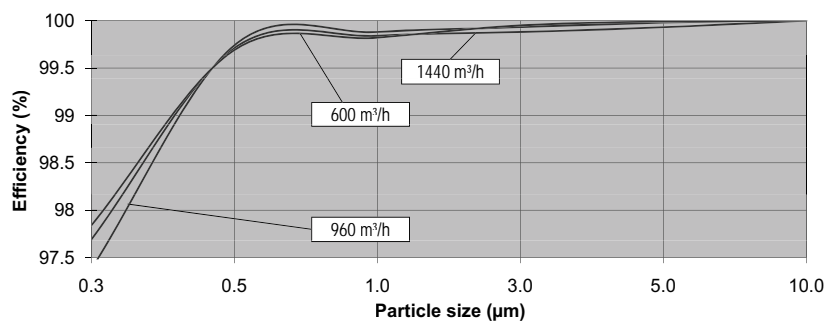
Technical Data

Filter Data		GRV-9456-4432
Pleating height	mm	48.5
Pleats:		390
Filter media active surface / cartridge	m ²	> 24
Initial pressure drop @ rated airflow	Pa	130
Rated airflow	m ³ /h	1200
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

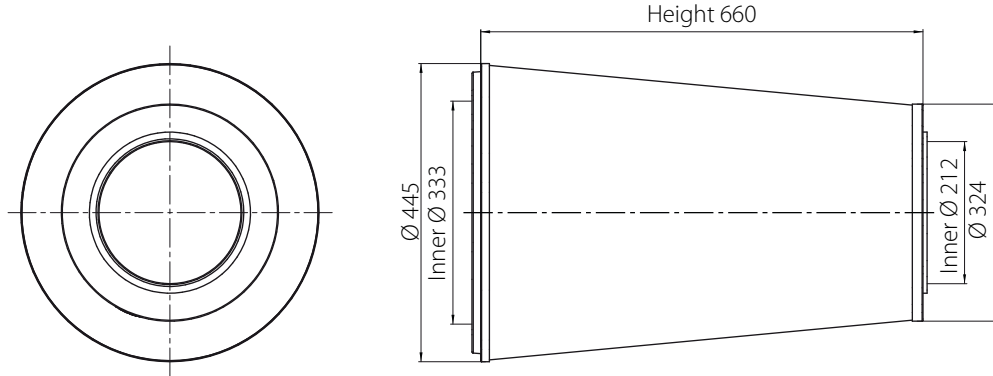


Particle Size	Efficiency (with 450 g finedust sand loaded)					
	600 m ³ /h		960 m ³ /h		1440 m ³ /h	
Airflow per Filter	600 m ³ /h		960 m ³ /h		1440 m ³ /h	
0.3 μm	97.69	%	97.38	%	97.84	%
0.5 μm	99.71	%	99.74	%	99.69	%
1.0 μm	99.84	%	99.88	%	99.82	%
3.0 μm	99.88	%	99.93	%	99.95	%
5.0 μm	99.93	%	99.98	%	99.99	%
10.0 μm	100	%	100	%	100	%



Dimensional Drawing:

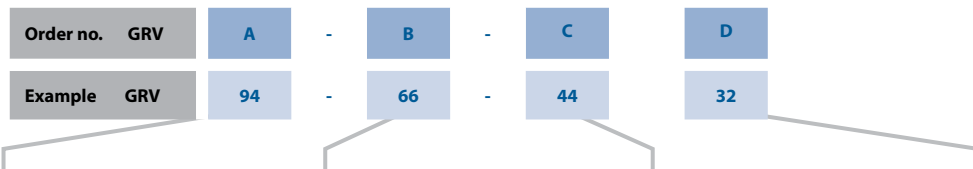
(All dimensions are in mm)



Filter Size

Outer diameter	445/324	mm
Inner diameter	333/212	mm
Height (without gasket)	660	mm
Weight	8	kg

Order Numbers



Filter Media	A	Height	B	Diameter Lower Cup	C	Diameter Upper Cup	D
Synthetic Cellulose Blend	94	660 mm	66	Outer Diameter 445 mm	44	Outer Diameter 324 mm	32

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).

FILT AIR Ltd.

Member of the Beth-El Group

Main Office: P.O. Box 166
Zikhron Yaaqov, 3095101, Israel
Tel: + 972-4-610 7777
Fax: + 972-4-635 0396
info@filt-air.com
www.filt-air.com