

# GAS TURBINE SERIES



**TESTED, CERTIFIED, QUALIFIED**

**PRODUCTS FOR BETTER AIR QUALITY**

AIR FILTRATION  
& AIR QUALITY



**PANFIL**

Self supported Synthetic Media

PF4PS18W0-0592-0592-048  
PF4PS18W0-0592-0592-088  
PF4PS18W0-0592-0592-096

**FILTER CODE STRUCTURE**

Filter Type Filtre Tipi	<b>PF</b>	<b>PANFIL</b>
Filter Class EN 779-2012	<b>4</b>	EN 779-2012 G4 ISO 16890 COARSE>90
Filter Frame	<b>P</b>	Plastic
Filter Media	<b>S</b>	Synthetic Self Supported Media
Filter Media Thickness	<b>18</b>	Media Code
Filter Modelling	<b>W</b>	W- Line
Filter Face Guard	<b>0</b>	Without Grid
Filter Size		0592-0592-048

**TECHNICAL SPECIFICATIONS**

Filter Class	EN 779-2012 ISO 16890-COARSE	G4 >90%
Av. Efficiency	EN 779-2012 ISO 16890-COARSE	90% >90%
Max.Working Temp.	100 °C	
Relative Humidity	100%	
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	250 Pa 200 Pa
Filter Stage	I - II	

**APPLICATIONS & ADVANTAGES**

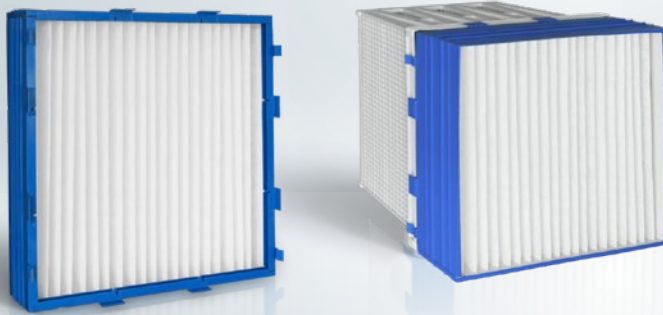
- Gas turbine primary filtration
- Industrial processes
- Low start pressure drop
- High dust holding capacity
- Reduced operating costs
- Provides long service interval
- Leakage free
- Water repellent media

AIR FILTRATION  
& AIR QUALITY



## PANFIL

Self supported Synthetic Media  
**with Special Application**



PF4PS18W0- 592-592-130

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>PF</b>	<b>PANFIL</b>	
Filter Class EN 779-2012	<b>4</b>	EN 779-2012 ISO 16890	G4 COARSE>90
Filter Frame	<b>P</b>	Plastic	
Filter Media	<b>S</b>	Synthetic Self Supported Media	
Filter Media Thickness	<b>18</b>	Media Code	
Filter Modelling	<b>W</b>	W- Line	
Filter Face Guard	<b>0</b>	Without Grid	
Filter Size		592-592-130	

### TECHNICAL SPECIFICATIONS

Filter Class	EN 779-2012 ISO 16890-COARSE	G4 >90%
Av. Efficiency	EN 779-2012 ISO 16890-COARSE	90% >90%
Max.Working Temp.	100 °C	
Relative Humidity	100%	
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	250 Pa 200 Pa
Filter Stage	II - III	

### APPLICATIONS & ADVANTAGES

- Gas turbine primary filtration
- Industrial processes
- Low start pressure drop
- High dust holding capacity
- Reduced operating costs
- Provides long service interval
- Leakage free
- Water repellent media

AIR FILTRATION  
& AIR QUALITY



## MULTIBAG-PR-600

Synthetic Rigid **Pocket Filters**



MB6P25R08-0592-0592-600

### FILTER CODE STRUCTURE

Filter Type	<b>MB</b>	<b>MULTIBAG-GS</b>
Filter Class EN 779-2012	<b>6</b>	EN 779-2012 M6 ISO 16890 ePM10
Filter Frame	<b>P</b>	Plastic
Filter Frame Thickness	<b>25</b>	25 mm
Filter Media	<b>R</b>	Rigid Synthetic
Filter Pocket Number	<b>08</b>	8 Pockets
Filter Size	0592-0592-600	

### TECHNICAL SPECIFICATIONS

Filter Class	EN 779-2012 ISO 16890	M5 ePM10	M6 ePM10
Av. Efficiency	EN 779-2012 ISO 16890	60% >50%	80% >60%
Max.Working Temp.	80 °C		
Relative Humidity	100%		
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	450 300	
Filter Stage	II - III		

### APPLICATIONS & ADVANTAGES

- Gas turbine air intake system
- Industrial processes
- Low start pressure drop
- High dust holding capacity
- Reduced operating costs
- Provides long service interval
- Leakage free
- Water repellent media

AIR FILTRATION  
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## MULTIAS 292-GRT8

Aluminium Separator **Filters**

MA8GR8T2YC-0592-0592-292

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>MA</b>	<b>MULTI-AS</b>	
Filter Class EN 779-2012	<b>8</b>	EN 779-2012 ISO 16890	F8 ePM 1
Filter Frame	<b>G</b>	Galvanized	
Media and Separator	<b>R</b>	Class Fiber Media with Aluminium Separator	
Panel Depth	<b>8</b>	8 mm	
Filter Flange Type	<b>T</b>	Single Flange	
Filter Surface Grid	<b>2</b>	Face Grids Air Outlet	
Filter Gasket Type	<b>Y</b>	High Heat Gasket	
Filter Gasket Direction	<b>C</b>	Air Outlet	
Filter Size		0592-0592-292	

### TECHNICAL SPECIFICATIONS

Filter Class	EN 779-2012 ISO 16890	M5 ePM10	M6 ePM10	F7 ePM2,5	F8 ePM1	F9 ePM1
Av. Efficiency	EN 779-2012 ISO 16890	60% >50%	80% >60%	85% 65-80%	90% 65-80%	95% 80%
Max.Working Temp.	250 - 350 °C					
Relative Humidity	100%					
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	450 300				
Filter Stage	II - III					

### APPLICATIONS & ADVANTAGES

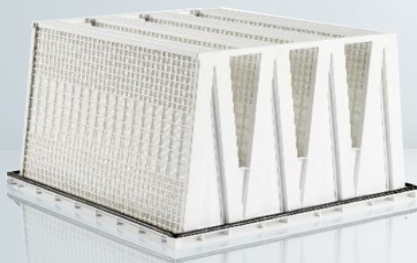
- High temperature resistant aluminium separator
- In high-flow filter unit applications
- Low initial pressure drop
- Optional gasket, flange, protection grid wire

AIR FILTRATION  
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## MULTITUR-292 Gas Turbine Series

Rigid Pocket **Filters**



MT07P4B25R21PC-0592-0592-292

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>MT</b>	<b>MULTITUR-292</b>	
Filter Class EN 779-2012	<b>7</b>	EN 779-2012 ISO 16890	F7 ePM 2,5
Filter Frame	<b>P</b>	Plastic	
Filter Rigid Pocket Pieces	<b>4</b>	4 Rigid Pocket	
Filter Color	<b>B</b>	White	
Filter Flange Thickness	<b>25</b>	25 mm (or 20 mm)	
Media and Separator Type	<b>R</b>	Glass Fiber & Hot Melt	
Filter Media Area	<b>21</b>	21 m <sup>2</sup>	
Filter Gasket Type	<b>P</b>	Polyurethane	
Filter Gasket Direction	<b>C</b>	Air Outlet Side	
Filter Size	0592-0592-292		

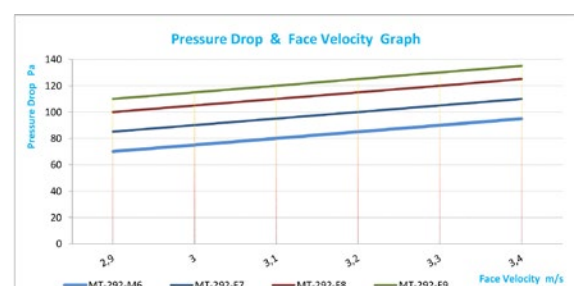
### APPLICATIONS & ADVANTAGES

- High efficiency air filtration
- Reduced dimensions and high flow filter units
- Especially for gas turbine and compressor
- Deep V type increased surface provides high flow rate
- Air outlet direction wire and gasket

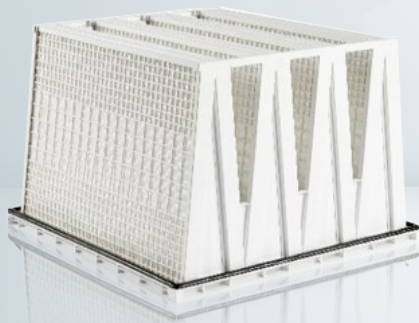
### TECHNICAL SPECIFICATIONS

Filter Class	EN 779-2012 ISO 16890	M5 ePM10	M6 ePM10	F7 ePM2,5	F8 ePM1	F9 ePM1
Av. Efficiency	EN 779-2012 ISO 16890	60% >50%	80% >60%	85% 65-80%	90% 65-80%	95% 80%
Max.Working Temp.	80 °C					
Relative Humidity	100%					
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	450 300				
Filter Stage	II - III					

### PRESSURE DROP & FACE VELOCITY GRAPH



AIR FILTRATION  
& AIR QUALITY



## MULTITUR-420 Gas Turbine Series

Rigid Pocket **Filters**

MT08P4B25R32PC-0592-0592-420

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>MT</b>	<b>MULTITUR-420</b>	
Filter Class EN 779-2012	<b>8</b>	EN 779-2012 ISO 16890	F8 ePM 1
Filter Frame	<b>P</b>	Plastic	
Filter Rigid Pocket Pieces	<b>4</b>	4 Rigid Pocket	
Filter Color	<b>B</b>	White	
Filter Flange Thickness	<b>25</b>	25 mm (or 20 mm)	
Media and Separator Type	<b>R</b>	Glass Fiber & Hot Melt	
Filter Media Area	<b>32</b>	32 m <sup>2</sup>	
Filter Gasket Type	<b>P</b>	Polyurethane	
Filter Gasket Direction	<b>C</b>	Air Outlet Side	
Filter Size		0592-0592-420	

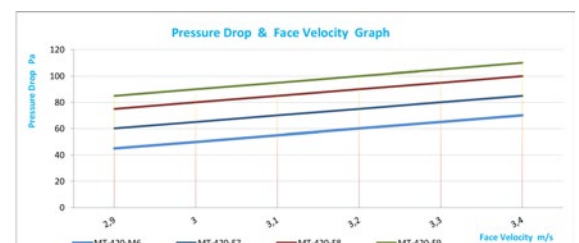
### APPLICATIONS & ADVANTAGES

- High efficiency air filtration
- Reduced dimensions and high flow filter units
- Especially for gas turbine and compressor
- Deep V type increased surface provides high flow rate
- Lower initial pressure drop compared to standard rigid pocket
- Air outlet direction wire and gasket

### TECHNICAL SPECIFICATIONS

Filter Class	EN 779-2012 ISO 16890	M5 ePM10	M6 ePM10	F7 ePM2,5	F8 ePM1	F9 ePM1
Av. Efficiency	EN 779-2012 ISO 16890	60% >50%	80% >60%	85% 65-80%	90% 65-80%	95% 80%
Max.Working Temp.	80 °C					
Relative Humidity	100%					
Rec. Final Pres. Drop Acc.	EN 779-2012 ISO 16890	450 Pa 300 Pa				
Filter Stage	II - III					

### PRESSURE DROP & FACE VELOCITY GRAPH

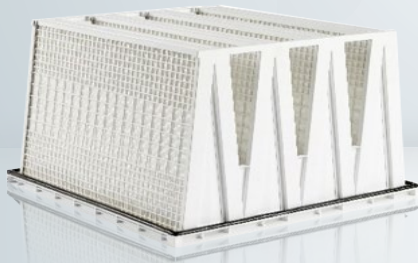


AIR FILTRATION  
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## MULTITUR-HE 292

High Efficiency Rigid Pocket **Filters**



MT10P4B25R21PC-0592-0592-292

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>MT</b>	<b>MULTITUR-HE 292</b>
Filter Class EN 779-2012	<b>10</b>	E10
Filter Frame	<b>P</b>	Plastic
Filter Rigid Pocket Pieces	<b>4</b>	4 Rigid Pocket
Filter Color	<b>B</b>	White
Filter Flange Thickness	<b>25</b>	25 mm (or 20 mm)
Media and Seperator Type	<b>R</b>	Glass Fiber & Hot Melt
Filter Media Area	<b>21</b>	21 m <sup>2</sup>
Filter Gasket Type	<b>P</b>	Polyurethane
Filter Gasket Direction	<b>C</b>	Air Outlet Side
Filter Size	0592-0592-292	

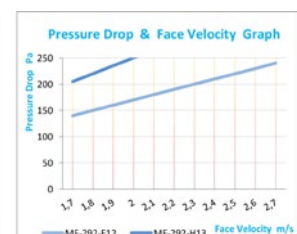
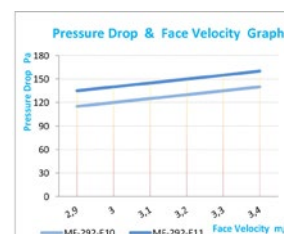
### APPLICATIONS & ADVANTAGES

- High efficiency air filtration
- Reduced dimensions and high flow filter units
- Especially for gas turbine and compressor
- Deep V type increased surface provides high flow rate
- Air outlet direction wire and gasket

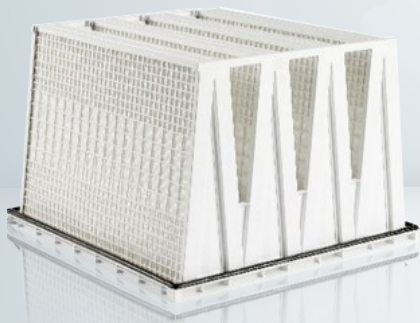
### TECHNICAL SPECIFICATIONS

Filter Class	EN 1822	E10	E11	E12	H13
Av. Efficiency	EN 1822	≥ 85 %	≥ 95 %	≥ 99,5%	≥ 99,95%
Max.Working Temp.	80 °C				
Relative Humidity	100%				
Rec. Final Pres. Drop Acc.	600 Pa. - 1000 Pa.				
Filter Stage	II - III				

### PRESSURE DROP & FACE VELOCITY GRAPH



AIR FILTRATION  
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## MULTITUR-HE 420

High Efficiency Rigid Pocket **Filters**

MT10P4B25R32PC-0592-0592-420

### FILTER CODE STRUCTURE

Filter Type Filtre Tipi	<b>MT</b>	<b>MULTITUR-HE 420</b>
Filter Class EN 779-2012	<b>10</b>	E10
Filter Frame	<b>P</b>	Plastic
Filter Rigid Pocket Pieces	<b>4</b>	4 Rigid Pocket
Filter Color	<b>B</b>	White
Filter Flange Thickness	<b>25</b>	25 mm (or 20 mm)
Media and Seperator Type	<b>R</b>	Glass Fiber & Hot Melt
Filter Media Area	<b>32</b>	32 m <sup>2</sup>
Filter Gasket Type	<b>P</b>	Polyurethane
Filter Gasket Direction	<b>C</b>	Air Outlet Side
Filter Size	0592-0592-420	

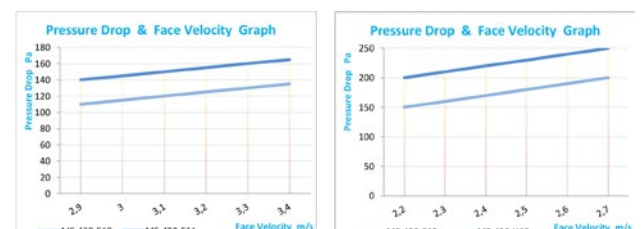
### APPLICATIONS & ADVANTAGES

- High efficiency air filtration
- Reduced dimensions and high flow filter units
- Especially for gas turbine and compressor
- Deep V type increased surface provides high flow rate
- Lower initial pressure drop compared to standard rigid pocket
- Air outlet direction wire and gasket

### TECHNICAL SPECIFICATIONS

Filter Class	EN 1822	E10	E11	E12	H13
Av. Efficiency	EN 1822	≥ 85 %	≥95 %	≥99,5%	≥99,95%
Max.Working Temp.	80 °C				
Relative Humidity	100%				
Rec. Final Pres. Drop Acc.	600 Pa. - 1000 Pa.				
Filter Stage	II - III				

### PRESSURE DROP & FACE VELOCITY GRAPH



AIR FILTRATION  
& AIR QUALITY



**HEPA-V**  
High Capacity V-Type  
Hepa Filters

HV13GR40N0PC-0610-0610-292

## FILTER CODE STRUCTURE

Filter Type	<b>HV</b>	<b>HEPA-V</b>
Filter Class EN 1822	<b>13</b>	H13
Filter Frame	<b>G</b>	Galvanized
Filter Media	<b>R</b>	Glass Fiber & Hot Melt
Filter Media Area	<b>40</b>	40 m <sup>2</sup>
Filter Flange	<b>N</b>	Without Flange
Filter Surface Grid	<b>O</b>	Without Face Grids
Filter Gasket Type	<b>P</b>	Polyurethane
Filter Gasket Direction	<b>C</b>	Air Outlet
Filter Size		0610-0610-292

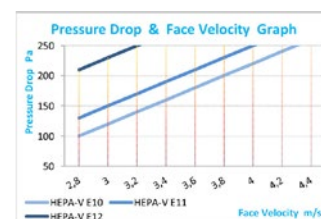
## APPLICATIONS & ADVANTAGES

- High capacity High efficiency Absolute air filtration
- Used in gas turbine, microelectronics, food, photography, data centers, hospital, medical equipment industry
- Air outlet direction gasket

## TECHNICAL SPECIFICATIONS

Filter Class	EN 1822				
	E10	E11	E12	H13	H14
Av. Efficiency	≥ 85%	≥95%	≥99,5%	≥99,95%	≥99,995%
Max.Working Temp.	80 °C				
Relative Humidity	100%				
Rec. Final Pres. Drop Acc.	600 Pa.				
Max. Final Pres. Drop	1000 Pa.				
Filter Stage	III - IV				

## PRESSURE DROP & FACE VELOCITY GRAPH



AIR FILTRATION  
& AIR QUALITY



## HEPA-V

High Capacity V-Type  
**Hepa Filters**  
in Plastic frame

HV13PR36N0PG-0610-0610-292

### FILTER CODE STRUCTURE

Filter Type	<b>HV</b>	<b>HEPA-V</b>
Filter Class EN 1822	<b>13</b>	H13
Filter Frame	<b>P</b>	Plastic
Filter Media	<b>R</b>	Glass Fiber & Hot Melt
Filter Media Area	<b>36</b>	36 m <sup>2</sup>
Filter Flange	<b>N</b>	Without Flange
Filter Surface Grid	<b>O</b>	Without Face Grids
Filter Gasket Type	<b>P</b>	Polyurethane
Filter Gasket Direction	<b>G</b>	Air inlet
Filter Size		0610-0610-292

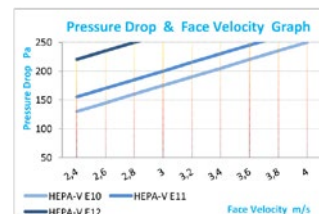
### APPLICATIONS & ADVANTAGES

- High capacity High efficiency Absolute air filtration
- Used in gas turbine, microelectronics, food, photography, data centers, hospital, medical equipment industry
- Air outlet direction gasket

### TECHNICAL SPECIFICATIONS

Filter Class	EN 1822				
	E10	E11	E12	H13	H14
Av. Efficiency	≥ 85%	≥95%	≥99,5%	≥99,95%	≥99,995%
Max.Working Temp.	80 °C				
Relative Humidity	100%				
Rec. Final Pres. Drop Acc.	600 Pa. - 1000 Pa.				
Max. Final Pres. Drop	1000 Pa.				
Filter Stage	III - IV				

### PRESSURE DROP & FACE VELOCITY GRAPH



# GAS TURBINE CARTRIDGE

AIR FILTRATION  
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## GAS TURBINE CARTRIDGE

Protection in high dust applications with sustained humidity

### Nano Synthetic cartridge filter for gas turbines

#### DESCRIPTION

GAS TURBINE CARTRIDGE has been specifically designed to protect gas turbines in high dust environments with prolonged humidity. GAS TURBINE CARTRIDGE has a high F9

(MERV 15) initial efficiency that will provide a sustainable performance over its operational life, increasing availability and reducing compressor fouling.

GAS TURBINE CARTRIDGE excels in extreme environments where both high dust load and high humidity are combined. The product has excellent pulse recovery to maintain a low pressure drop and with a high dust holding capacity even in this type of extreme environment filter life remains long.

The 100% synthetic media is hydrophobically repellent, withstanding high humidity from mists, fogs or sustained levels of rain. At the same time the outer nanofiber layer has excellent release of dust during pulse cleaning, which helps to lower energy costs and improve efficiency.

#### FEATURES AND BENEFITS

##### SIGNIFICANTLY REDUCED COMPRESSOR FOULING

Sustained F9 (MERV 15) performance ensures increased compressor efficiency over the operational life of the filter

##### SUITABLE IN HIGH HUMIDITY

The synthetic media will not swell when saturated and differential pressure will not spike during prolonged humidity.

##### INCREASED PULSE CLEANING EFFECTIVENESS

Nanofiber outer layer provides significant dust release enhancement and increased filtration efficiency.

##### LONGER FILTER LIFE

Optimized pleat geometry reduces pressure drop and increases dust holding capacity.

##### LOW PRESSURE DROP

Protection doesn't come at the expense of efficiency, providing reduced energy costs.

##### SMART DESIGN

Optimum pleat spacing and separation promote maximum dust release and filter life.

##### BULK WATER RESISTANT

Good hydrophobicity provides protection against bulk water. Not recommended for prolonged exposure to humidity.

##### COMPRESSED AIR SAVINGS

Dust in nanofiber layer is easily released, resulting in fewer pulses and lower compressed air usage.

##### COMPATIBILITY

Several different geometries ensure compatibility across various manufacturers' specifications.

##### HYDROSLEEVE PRE-FILTRATION

MGT's protective pre-filtration wrap will ensure maximum filter life.

#### PRODUCT HIGHLIGHTS

Protects engines with sustained F9 (MERV 15) efficiency

Suitable in high dust load environments

Effective pulse cleaning

Reduced maintenance & operational costs

# GAS TURBINE CARTRIDGE

## GAS TURBINE CARTRIDGE

CONICAL / CYLINDER SET

Performance specification data

### OVERVIEW

Orientation	Crossflow (horizontal)
Rated airflow	2550 m <sup>3</sup> /h   1500 CFM
Temperature	- 40 °C to +70 °C - 40 °F to +158 °F



### FILTER MODEL DETAILS

Filter model	Efficiency class <sup>1</sup>	Filter media <sup>2</sup>	Initial pressure loss
Conical / Cylinder Set	F9   MERV 15	Nano Synthetic	200 Pa   0.80 in.WG
Conical / Cylinder Set	M6   MERV 11-12	Blended	155 Pa   0.62 in.WG

### CONSTRUCTION

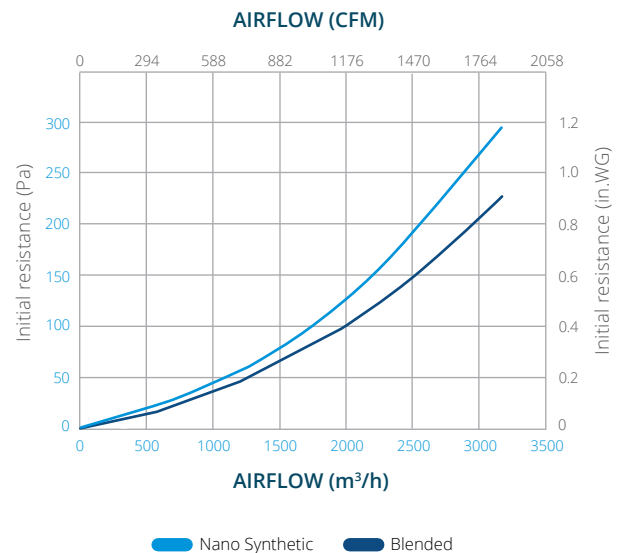
Endcaps	Galvanised steel
In/outside liner	Galvanised steel
Potting	Polyurethane
Gasket	PU

### Dimensions

	Conical	Cylinder
Outer diameter 1	444 mm   17.5 in	324 mm   12.8 in
Outer diameter 2	324 mm   12.8 in	324 mm   12.8 in
Length	660 mm   26.0 in	660 mm   26.0 in

<sup>1</sup> Based on EN779:2012 (vapour discharged) and ASHRAE 52.2:2017  
<sup>2</sup> 100 % synthetic with nanofiber layer

### RESISTANCE CURVE



# GAS TURBINE CARTRIDGE

660 CYLINDER

## Performance specification data

### OVERVIEW

Orientation	Upflow (vertical)
Rated airflow	1275 m <sup>3</sup> /h   750 CFM
Temperature	-40 °C to +70 °C -40 °F to +158 °F



### FILTER MODEL DETAILS

Filter model	Efficiency class <sup>1</sup>	Filter media <sup>2</sup>	Initial pressure loss
Cylinder 660	F9   MERV 15	Nano Synthetic	215 Pa   0.86 in.WG
Cylinder 660	M6   MERV 11-12	Blended	191 Pa   0.77 in.WG

### CONSTRUCTION

Endcaps	Galvanised steel
In/outside liner	Galvanised steel
Potting	Polyurethane
Gasket	PU

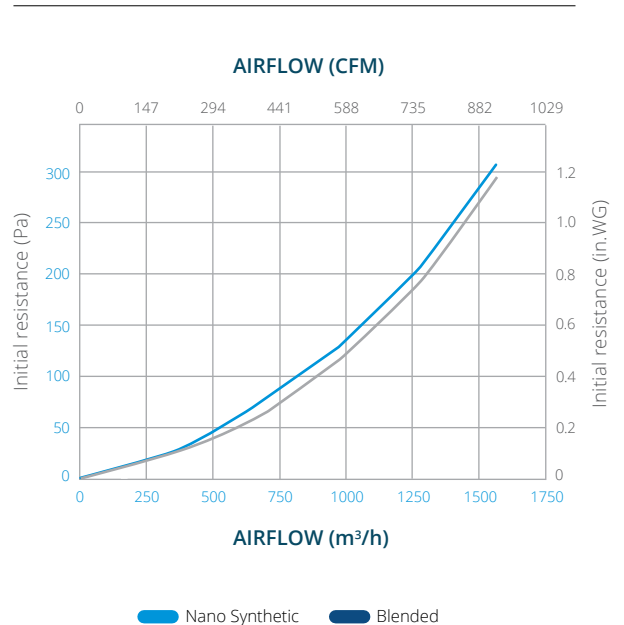
### Dimensions

Conical	
Outer diameter	324 mm   12.8 in
Length	660mm   26.0 in

<sup>1</sup> Based on EN779:2012 (vapour discharged) and ASHRAE 52.2:2017

<sup>2</sup> 100% synthetic with nanofiber layer

### RESISTANCE CURVE

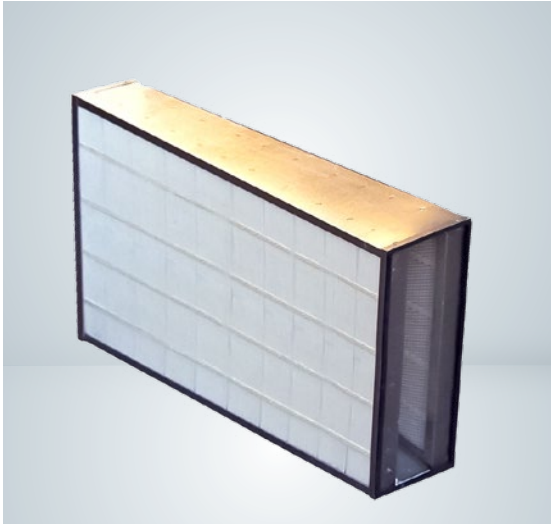


# GAS TURBINE MEGA-V

MEGA-V

## OVERVIEW

Orientation	Upflow (vertical)
Rated airflow	2550 m <sup>3</sup> /h   1500 CFM
Temperature	-40 °C to +70 °C -40 °F to +158 °F



## FILTER MODEL DETAILS

Filter model	Efficiency class <sup>1</sup>	Filter media <sup>2</sup>	Initial pressure loss
MEGA-V	F8   MERV 14	Nano Synthetic	186 Pa   0.86 in.WG

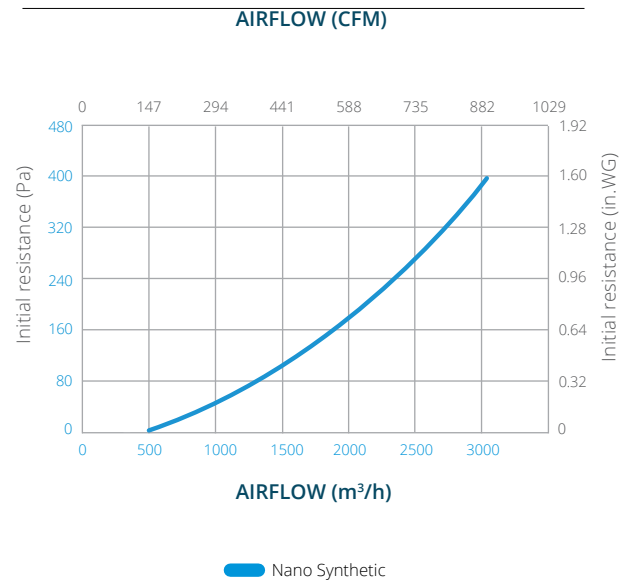
## CONSTRUCTION

Endcaps	Galvanised steel
In/outside liner	Galvanised steel
Potting	Polyurethane
Gasket	PU

## Dimensions

MEGA-V	
Inlet Dimensions	165/245-0610 mm   6.5/9.65-24 in
Length	1220mm   48.0 in

## RESISTANCE CURVE



<sup>1</sup> Based on EN779:2012 (vapour discharged) and ASHRAE 52.2:2017

<sup>2</sup> 100% synthetic with nanofiber layer

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& AIR QUALITY



#### ПРЕДСТАВНИЦТВО В УКРАЇНІ

Офіційний представник  
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Години роботи:  
Пн-Пт з 9:00 до 18:00  
E-mail: [info@iqvent.com.ua](mailto:info@iqvent.com.ua),  
[www.a-air.com.ua](http://www.a-air.com.ua)

#### ВИРОБНИЦТВО В ПОЛЬЩІ

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[www.iqvent.com.ua](http://www.iqvent.com.ua)