www.deltaairfilter.com

DAF

DELTA AIR FILTER

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DELTA AIR FILTER

DAF is the International company that manufacturing Industrial Air Filter
Our mission is to offer a wide range of Air Filter that can be used in several industrial sectors and to ensure excellent standards of reliability and on-time deliveries.

The two key concept at DAF are Customer Service and Good products
The company combines a before and after Sales Service that is customer-centred and a flexible manufacturing process that meets the needs of different markets.

PRIMARY FILTER SERIES	SECONDARY FILTER SERIES	EPA/HEPA/ULPA FILTER SERIES	MODULE SERIES	CHEMICAL FILTER SERIES
• WASHABLE MEDIA ROLL • WASHABLE PANEL FILTER • EXTENDED SURFACE PLEATED FILTER	• EXTENDED SURFACE POCKET FILTER • RIGID PLEATED FILTER • MINIPLEAT FILTER • ALUMINIUM SEPARATOR FILTER • V-BANK MINIPLEAT FILTER	• ALUMINIUM SEPARATOR FILTER • V-BANK MINIPLEAT FILTER • MINIPLEAT FILTER	• FAN FILTER UNIT • DISPOSABLE CEILING MODULE • PERMANENT CEILING MODULE RSC TYPE • PERMANENT CEILING MODULE	• CHEMICAL CARBON PLEATED FILTER • CHEMICAL RIGID PLEATED FILTER • CHEMICAL V-BANK MINIPLEAT FILTER

PRIMA ROLL

Washable Media Roll/Pad

SPECIFICATION

Media
Synthetic fibre

Efficiency
G2(≥65%), G3(≥80%), G4(≥90%)

Temperature
≤80°C

Humidity
≤100% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 249Pa

SIZE AND PERFORMANCE DATA

Roll Size Meter	Colour	Efficiency EN779	Initial Resistance Pa
2 x 20	Black	G2	28
2 x 20	White		45
2 x 20	White	G3	50
2 x 20	Blue/White		50
2 x 20	White	G4	65

Air flow 3400CMH base on size 592 x 592mm.

INTRODUCTION

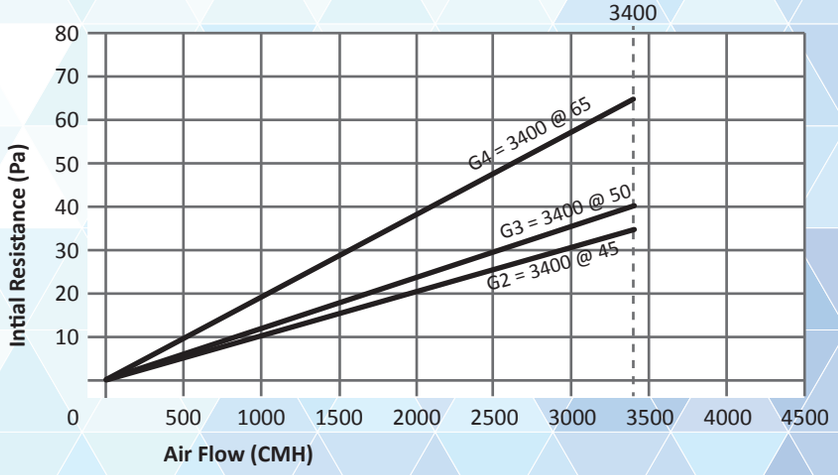
- Media consisting of 100% polyester bonded fibres are formed into an interlocking pattern that traps dust and lint, while minimizing face surface loading.

APPLICATION

- For all heating ventilating and air conditioning HVAC application.

- Suitable for where fibreglass is not indicated, such as food processing and medical facilities.

AIR FLOW VS INITIAL RESISTANCE



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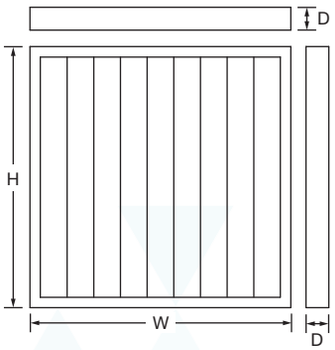
PRIMA WASH

Washable Panel Filter



SPECIFICATION

Media
Synthetic fibre

Efficiency
G2(≥65%), G3(≥80%), G4(≥90%)

Frame
Aluminium Extrusion

Grid
Galvanised Steel wire

Temperature
≤80°C

Humidity
≤100% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 249Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 1/2	287 x 592 x 12	G2	1700 / 45
20 x 24 x 1/2	490 x 592 x 12		2839 / 45
24 x 24 x 1/2	592 x 592 x 12		3400 / 45
12 x 24 x 1	287 x 592 x 21	G3	1700 / 50
20 x 24 x 1	490 x 592 x 21		2839 / 50
24 x 24 x 1	592 x 592 x 21		3400 / 50
12 x 24 x 2	287 x 592 x 46	G4	1700 / 65
20 x 24 x 2	490 x 592 x 46		2839 / 65
24 x 24 x 2	592 x 592 x 46		3400 / 65

Customize size is available.

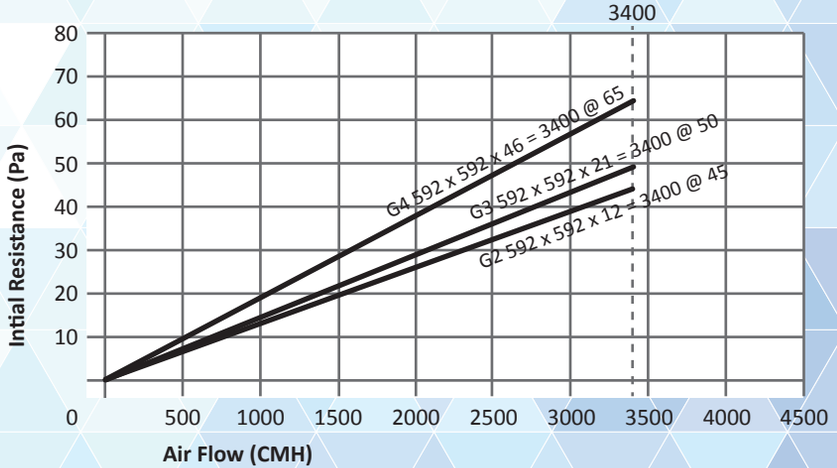
INTRODUCTION

- These filter are strong, easy to clean and serve to save your cost.

APPLICATION

- Filters are economical and effective solution to industrial air filtration.

AIR FLOW VS INITIAL RESISTANCE



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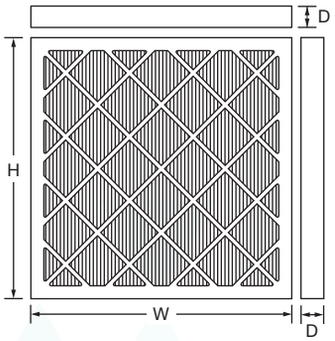
PRIMA 300

Disposable Pleated Filter (Premium Type)



SPECIFICATION

Media
Synthetic fibre, laminating galvanised steel support grid

Efficiency
G4(≥90%)

Frame
Virgin craft beverage board

Adhesive
Water repellent adhesive

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 249Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 2	289 x 594 x 44	G4	1700 / 63
20 x 20 x 2	492 x 492 x 44		2380 / 63
20 x 24 x 2	492 x 594 x 44		2839 / 63
24 x 24 x 2	594 x 594 x 44		3400 / 63
12 x 24 x 4	289 x 594 x 95		1700 / 55
20 x 20 x 4	492 x 492 x 95		2380 / 55
20 x 24 x 4	492 x 594 x 95		2839 / 55
24 x 24 x 4	594 x 594 x 95		3400 / 55

INTRODUCTION

- Pleated filter use synthetic media and bonded to a wire mesh on the air leaving side and enclosed into beverage board.

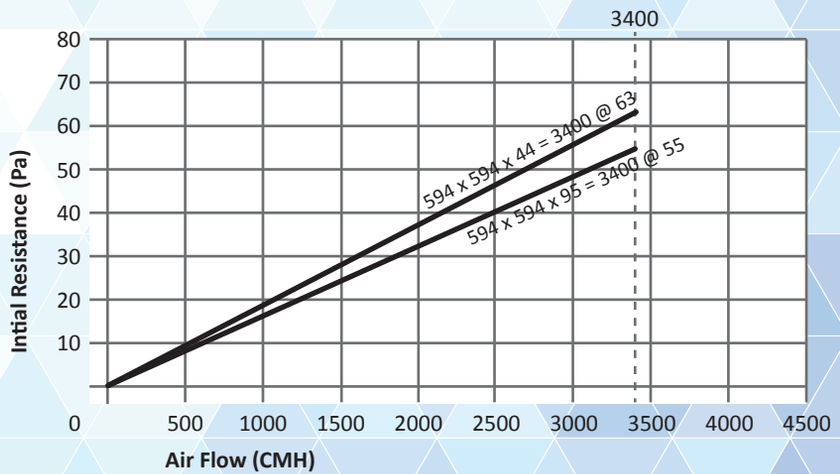
- There are three kind of thickness, 1", 2" and 4" with G4 (≥90%) efficiency.

APPLICATION

- Filter can be used as pre-filters for most demanding filtration system and for extension the life of expensive high efficiency filter.

- Filters can be used in residential, commercial and industrial.

AIR FLOW VS INITIAL RESISTANCE



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PRIMA GREASE FILTER

SPECIFICATION

Media
Alumunium Metal Mesh

Efficiency
G2 (≥67%)

Frame
Alumunium Extrusion

Temperature
≤ 100°C

Humidity
≤ 100% RH

Rate Velocity
2.5m/s

Recomended final pressure drop ≤320pa

SIZE AND PERFORMANCE DATA

Technical Specification	Model: GF 2"	Model: GF 1"
Alumunium Frame Size: - Nominal Size	24 x 24 x 2 (Inch)	24 x 24 x 1 (Inch)
Filter Media: - Pleated Alumunium Mesh	5 Layers	3 Layers
Maximum Arrestance %	76%	60%
Average Arrestance%	67.1%	50.4%
Air Flow Rate	0.75m³/s	0.75m³/s
Initial/ Final Resistance (Pa)	101 / 320	35 / 90
Dust Holding in g/Panel	523	362
Equivalent to g/in²	1635	1131

INTRODUCTION
The light weight Washable Alumunium Grease Filter is made of a few layers of Alumunium metal mesh come with Alumunium Frame.

APPLICATION
Grease Filter is designed to remove / collect oil, grease and sediments from the exhaust air stream of kitchen or cooking exhaust system. Recomended used in residential, commercial, or Industrial application

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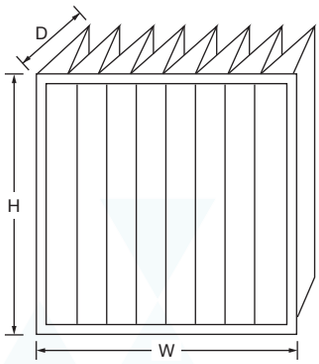
MICROBAG

Extended Surface Pocket Filter



SPECIFICATION

Media
Synthetic fibre

Efficiency
M5(≥40%), F6(≥60%), F7(≥80%), F8(≥90%), F9(≥95%)

Frame
Galvanised Steel, Aluminium Extrusion

Header
20mm (Option 25mm)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 249Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Number of Pockets	Air Flow / Initial Resistance CMH / Pa			
			F9	F8	F7	F6
12 x 24 x 36	287 x 592 x 914	4	1700/80	1700 / 66	1700 / 59	1700 / 51
20 x 24 x 36	490 x 592 x 914	6	2839/80	2839 / 66	2839 / 59	2839 / 51
24 x 24 x 36	592 x 592 x 914	8	3400/80	3400 / 66	3400 / 59	3400 / 51
12 x 24 x 30	287 x 592 x 762	4	1750/95	1700 / 80	1700 / 67	1700 / 55
20 x 24 x 30	490 x 592 x 762	6	2839/95	2839 / 80	2839 / 67	2839 / 55
24 x 24 x 30	592 x 592 x 762	8	3400/95	3400 / 80	3400 / 67	3400 / 55
12 x 24 x 21	287 x 592 x 534	4	1700/132	1700 / 112	1700 / 87	1700 / 63
20 x 24 x 21	490 x 592 x 534	6	2839/132	2839 / 112	2839 / 87	2839 / 63
24 x 24 x 21	592 x 592 x 534	8	3400/132	3400 / 112	3400 / 87	3400 / 63
12 x 24 x 15	287 x 592 x 381	4	1700/144	1700 / 144	1700 / 104	1700 / 65
20 x 24 x 15	490 x 592 x 381	6	2839/144	2839 / 144	2839 / 104	2839 / 65
24 x 24 x 15	592 x 592 x 381	8	3400/144	3400 / 144	3400 / 104	3400 / 65

INTRODUCTION

- Synthetic pocket filters are constructed with synthetic media and assembled in galvanised steel or aluminium extrusion frame.

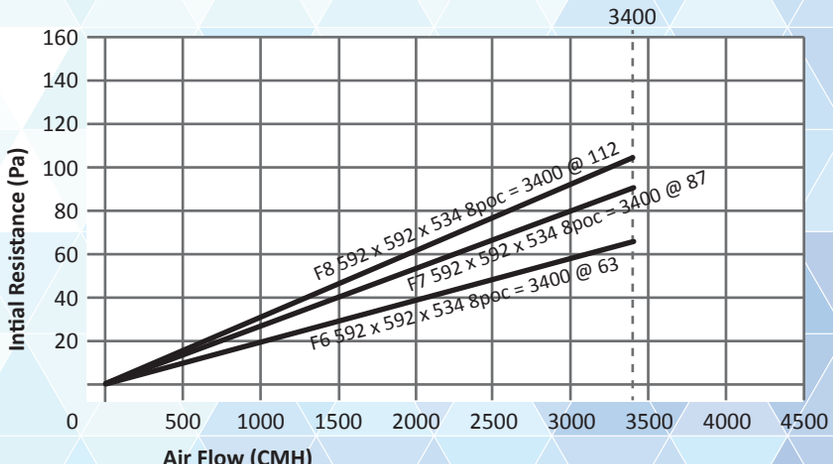
- Pocket filter offer high efficiency filtration while maintaining low resistance to air flow.

APPLICATION

- Pocket filters are used in both commercial and industrial applications.

- Pocket filters are used as medium filter in clean room filtration or where high cleanliness is required.

AIR FLOW VS INITIAL RESISTANCE



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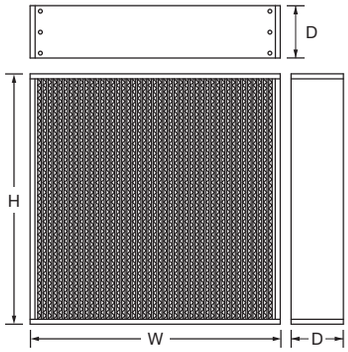
MICROCEL

Aluminium Separator Filter



SPECIFICATION

Media
Glass fibre with aluminium separator

Efficiency
F6(≥60%), F7(≥80%), F8(≥90%), F9(≥95%)

Frame
Galvanised Steel

Header
Double header(DH), Single header(SH), None header(NH)

Sealant
Polyurethane

Temperature
≤90°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop
≤ 350Pa(6") / ≤ 375Pa(12")

INTRODUCTION

- The media pack consisting of pleated microglass paper media and corrugated aluminium separators. It is sealed inside the metal frame forming a totally rigid filter assembly.

- Polyurethane sealant applies to prevent any possible leakage.

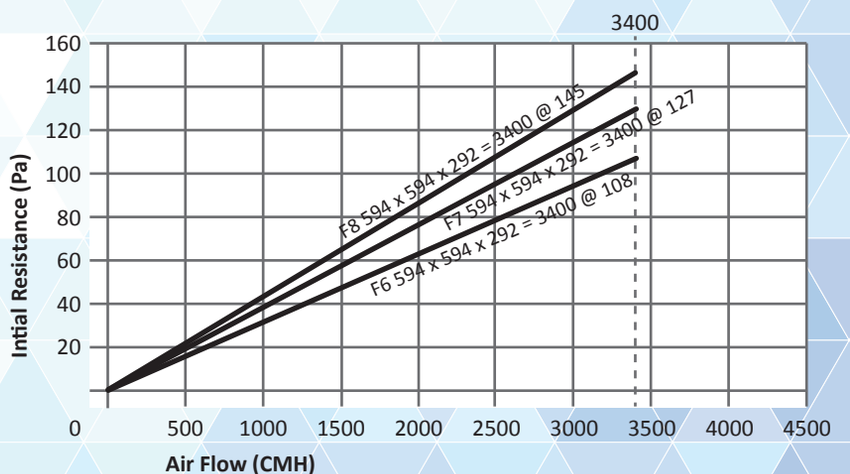
APPLICATION

- These filters can be used as high and medium efficiency air filtration in all type of commercial, industrial and institutional HVAC installation.

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 6	289 x 594 x 150	F9	850 / 135
20 x 24 x 6	492 x 594 x 150		1420 / 135
24 x 24 x 6	594 x 594 x 150		1700 / 135
12 x 24 x 6	289 x 594 x 150	F8	850 / 108
20 x 24 x 6	492 x 594 x 150		1420 / 108
24 x 24 x 6	594 x 594 x 150		1700 / 108
12 x 24 x 6	289 x 594 x 150	F7	850 / 78
20 x 24 x 6	492 x 594 x 150		1420 / 78
24 x 24 x 6	594 x 594 x 150		1700 / 78
12 x 24 x 6	289 x 594 x 150	F6	850 / 59
20 x 24 x 6	492 x 594 x 150		1420 / 59
24 x 24 x 6	594 x 594 x 150		1700 / 59
12 x 24 x 12	289 x 594 x 292	F9	1700 / 180
20 x 24 x 12	492 x 594 x 292		2839 / 180
24 x 24 x 12	594 x 594 x 292		3400 / 180
12 x 24 x 12	289 x 594 x 292	F8	1700 / 145
20 x 24 x 12	492 x 594 x 292		2839 / 145
24 x 24 x 12	594 x 594 x 292		3400 / 145
12 x 24 x 12	289 x 594 x 292	F7	1700 / 127
20 x 24 x 12	492 x 594 x 292		2839 / 127
24 x 24 x 12	594 x 594 x 292		3400 / 127
12 x 24 x 12	289 x 594 x 292	F6	1700 / 108
20 x 24 x 12	492 x 594 x 292		2839 / 108
24 x 24 x 12	594 x 594 x 292		3400 / 108

AIR FLOW VS INITIAL RESISTANCE



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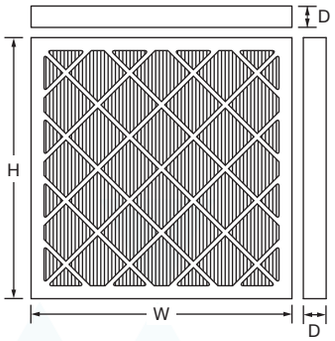
MICROPLEAT BB

Minipleat Filter (Beverage Board Type)



Secondary Filter Series

SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency
F6(≥60%), F7(≥80%), F8(≥90%), F9(≥95%)

Frame
Virgin craft beverage board

Adhesive
Water repellent adhesive

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 4	289 x 594 x 95	F9	1700 / 180
20 x 24 x 4	492 x 594 x 95		2839 / 180
24 x 24 x 4	594 x 594 x 95		3400 / 180
12 x 24 x 4	289 x 594 x 95	F8	1700 / 170
20 x 24 x 4	492 x 594 x 95		2839 / 170
24 x 24 x 4	594 x 594 x 95		3400 / 170
12 x 24 x 4	289 x 594 x 95	F7	1700 / 150
20 x 24 x 4	492 x 594 x 95		2839 / 150
24 x 24 x 4	594 x 594 x 95		3400 / 150
12 x 24 x 4	289 x 594 x 95	F6	1700 / 105
20 x 24 x 4	492 x 594 x 95		2839 / 105
24 x 24 x 4	594 x 594 x 95		3400 / 105

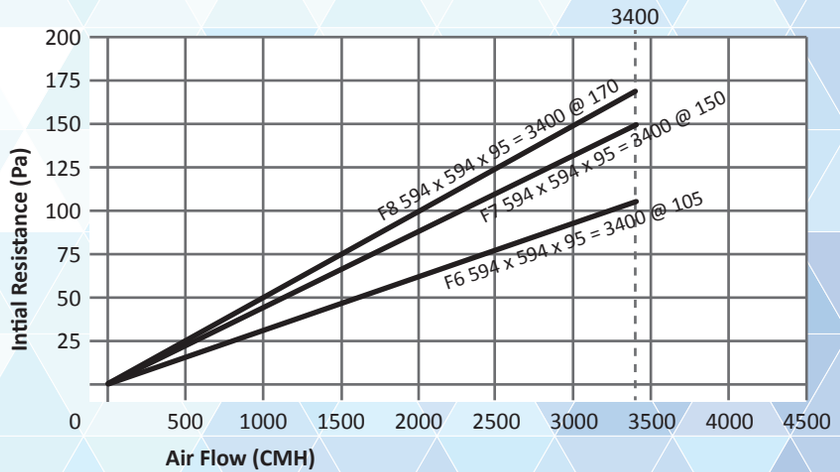
INTRODUCTION

- Medium efficiency filters is build in beverage board frame with 4" depth to save space.

APPLICATION

- These filters can be used in commercial and industrial HVAC system, and cleanroom MAU system.
- Variable air volume (VAV) ventilation systems.

AIR FLOW VS INITIAL RESISTANCE



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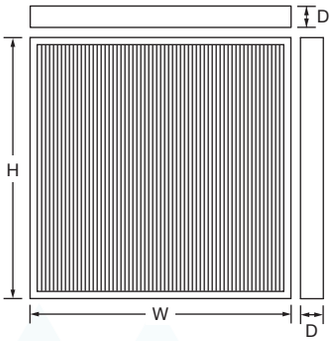
MICROPLEAT MF

Minipleat Filter (Metal Frame Type)



SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency
F6(≥60%), F7(≥80%), F8(≥90%), F9(≥95%)

Frame
Galvanised Steel

Header
Single header(SH), None header (NH)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 4	289 x 594 x 102	F9	1700 / 180
20 x 24 x 4	492 x 594 x 102		2839 / 180
24 x 24 x 4	594 x 594 x 102		3400 / 180
12 x 24 x 4	289 x 594 x 102	F8	1700 / 170
20 x 24 x 4	492 x 594 x 102		2839 / 170
24 x 24 x 4	594 x 594 x 102		3400 / 170
12 x 24 x 4	289 x 594 x 102	F7	1700 / 150
20 x 24 x 4	492 x 594 x 102		2839 / 150
24 x 24 x 4	594 x 594 x 102		3400 / 150
12 x 24 x 4	289 x 594 x 102	F6	1700 / 105
20 x 24 x 4	492 x 594 x 102		2839 / 105
24 x 24 x 4	594 x 594 x 102		3400 / 105

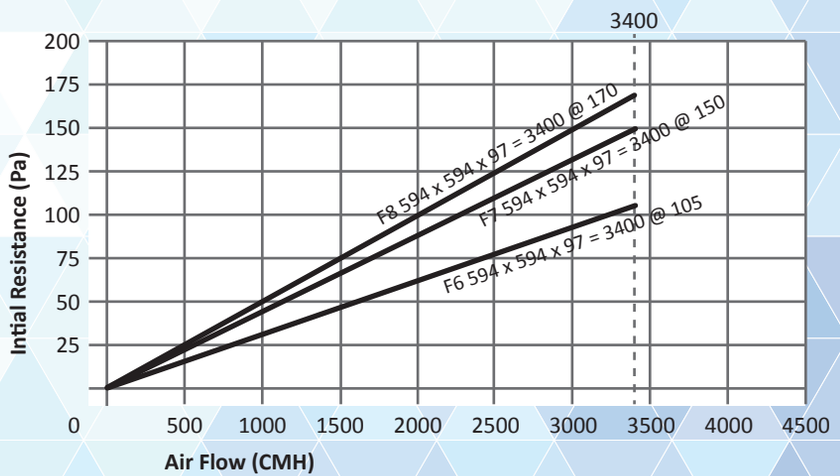
INTRODUCTION

- Medium efficiency filters is built in metal frame with 4" depth to save space.

APPLICATION

- These filters can be used in commercial and industrial HVAC system, and cleanroom MAU system.
- Variable air volume (VAV) ventilation systems.

AIR FLOW VS INITIAL RESISTANCE



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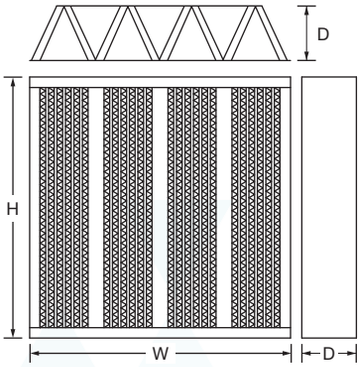
MICROVEE

V-Bank Minipleat Filter



SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency
F6(≥60%), F7(≥80%), F8(≥90%), F9 (≥95%)

Frame
Acrylonitrile Botadiene Styrene(ABS)

Header
20mm Single header(SH) (Option 25mm)

Sealant
Polyurethane

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
24 x 12 x 12	592 x 287 x 292	F9	1700 / 140
24 x 20 x 12	592 x 490 x 292		2839 / 140
24 x 24 x 12	592 x 592 x 292		3400 / 140
24 x 12 x 12	592 x 287 x 292	F8	1700 / 125
24 x 20 x 12	592 x 490 x 292		2839 / 125
24 x 24 x 12	592 x 592 x 292		3400 / 125
24 x 12 x 12	592 x 287 x 292	F7	1700 / 110
24 x 20 x 12	592 x 490 x 292		2839 / 110
24 x 24 x 12	592 x 592 x 292		3400 / 110
24 x 12 x 12	592 x 287 x 292	F6	1700 / 95
24 x 20 x 12	592 x 490 x 292		2839 / 95
24 x 24 x 12	592 x 592 x 292		3400 / 95

INTRODUCTION

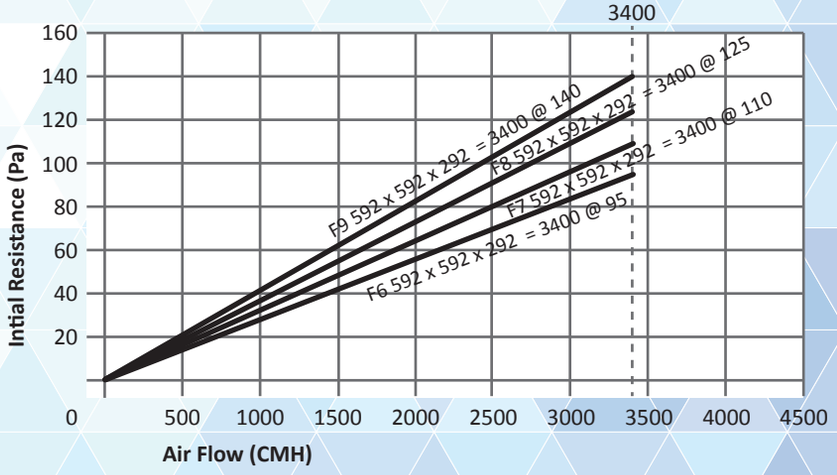
- Extended media surface creates lower resistance to higher air flow which save energy consumption.

- Large media area provides filters longer serving life and higher dust holding capacity.

APPLICATION

- These filters can be function normally in area of repeated turbulent air flow, repeated fan shutdown, desert, and marine installation.

AIR FLOW VS INITIAL RESISTANCE



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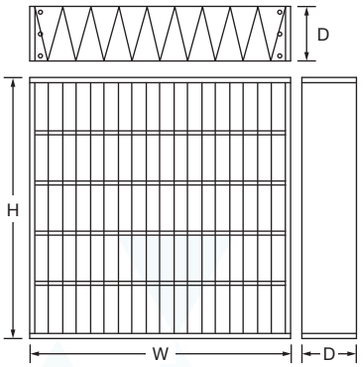
MICRORIGID

Rigid Pleated Filter



SPECIFICATION

Media
Synthetic fibre, laminating galvanised steel support grid

Efficiency
F6(≥60%), F7(≥80%), F8(≥90%), F9(≥95%)

Frame
Galvanised Steel with metal finger and diagonal support

Header
Double header(DH), Single header(SH), None header(NH)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 12	289 x 594 x 292	F9	1700 / 135
20 x 20 x 12	492 x 594 x 292		2380 / 135
20 x 24 x 12	492 x 594 x 292		2839 / 135
24 x 24 x 12	594 x 594 x 292		3400 / 135
12 x 24 x 12	289 x 594 x 292	F8	1700 / 125
20 x 20 x 12	492 x 492 x 292		2380 / 125
20 x 24 x 12	492 x 594 x 292		2839 / 125
24 x 24 x 12	594 x 594 x 292		3400 / 125
12 x 24 x 12	289 x 594 x 292	F7	1700 / 105
20 x 20 x 12	492 x 492 x 292		2380 / 105
20 x 24 x 12	492 x 594 x 292		2839 / 105
24 x 24 x 12	594 x 594 x 292		3400 / 105
12 x 24 x 12	289 x 594 x 292	F6	1700 / 70
20 x 20 x 12	492 x 492 x 292		2380 / 70
20 x 24 x 12	492 x 594 x 292		2839 / 70
24 x 24 x 12	594 x 594 x 292		3400 / 70

INTRODUCTION

- Rigid box filter is a rigid, extended surface medium to high efficiency filter.

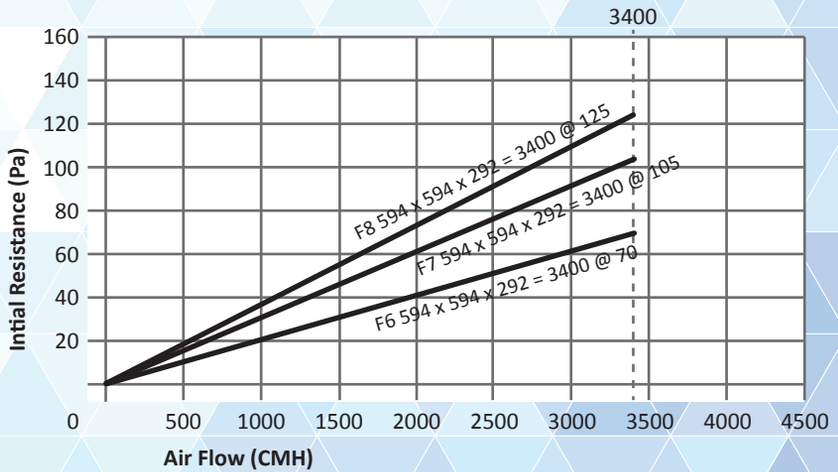
- Galvanised steel frame, diagonal support bracing, moisure resistant media contour stabilizers and metal media support grid enhance the durability of the filter.

APPLICATION

- Rigid box filter can be used in most commercial and industrial HVAC systems.

- Rigid box filter is designed for ease of installation in either side access system or built-up banks.

AIR FLOW VS INITIAL RESISTANCE



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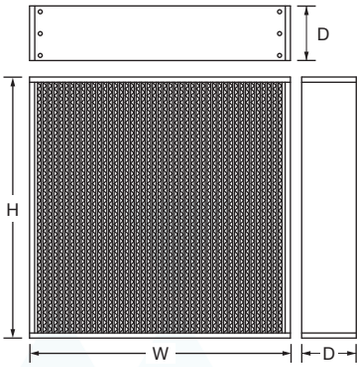
ULTRACEL STD

Aluminium Separator Filter (Standard Capacity)



SPECIFICATION

Media
Glass fibre with aluminium separator

Efficiency as per EN1822
E10 (≥85%), E11 (≥95%), E12 (≥99.5%), H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Galvanised Steel, Aluminium

Header
Double header(DH), Single header(SH), None header(NH)

Sealant
Polyurethane

Gasket
Air leaving side(ALS)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
1.25 m/s

Recommended final pressure drop ≤ 250Pa (E10), ≤ 500Pa (H13, H14, U15)

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 6	305 x 610 x 150	E10	425 / 98
24 x 24 x 6	610 x 610 x 150		850 / 98
12 x 24 x 12	305 x 610 x 292		850 / 98
24 x 24 x 12	610 x 610 x 292		1700 / 98
12 x 24 x 6	305 x 610 x 150	H13	425 / 249
24 x 24 x 6	610 x 610 x 150		850 / 249
12 x 24 x 12	305 x 610 x 292		850 / 249
24 x 24 x 12	610 x 610 x 292		1700 / 249
12 x 24 x 6	305 x 610 x 150	H14	425 / 265
24 x 24 x 6	610 x 610 x 150		850 / 265
12 x 24 x 12	305 x 610 x 292		850 / 265
24 x 24 x 12	610 x 610 x 292		1700 / 265
12 x 24 x 6	305 x 610 x 150	U15	425 / 280
24 x 24 x 6	610 x 610 x 150		850 / 280
12 x 24 x 12	305 x 610 x 292		850 / 280
24 x 24 x 12	610 x 610 x 292		1700 / 280

Actual size are measure without gasket. Data base on none header.

INTRODUCTION

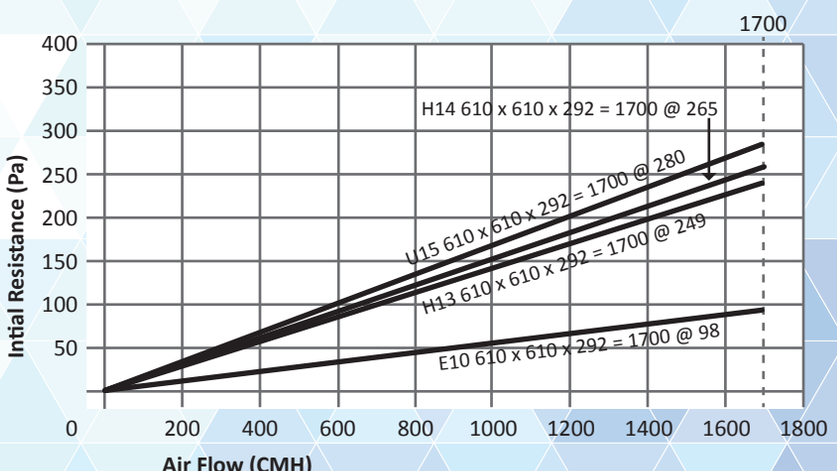
- The media pack consisting of pleated microglass paper media and corrugated aluminium separator, is sealed inside the metal frame forming a totally rigid filter assembly.

- Polyurethane sealant applies throughout all filter to prevent any possible leakage.

APPLICATION

- These filters can be used as final filter in all type of commercial, industrial and institutional HVAC installation.

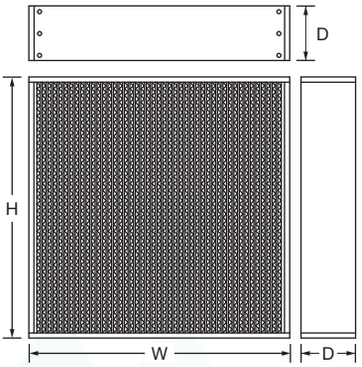
AIR FLOW VS INITIAL RESISTANCE



DAF DELTA AIR FILTER

ULTRACEL HCX

Aluminium Separator Filter (High Capacity)



SPECIFICATION

Media
Glass fibre with aluminium separator

Efficiency as per EN1822
E10 (≥85%), E11 (≥95%), E12 (≥99.5%), H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Galvanised Steel, Aluminium

Header
Double header(DH), Single header(SH), None header(NH)

Sealant
Polyurethane

Gasket
Air leaving side(ALS)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 350Pa (E10), ≤ 700Pa (H13, H14, U15)

INTRODUCTION

- The media pack consisting of pleated microglass paper media and corrugated aluminium separator, is sealed inside the metal frame forming a totally rigid filter assembly.

- Polyurethane sealant applies throughout all filter to prevent any possible leakage.

APPLICATION

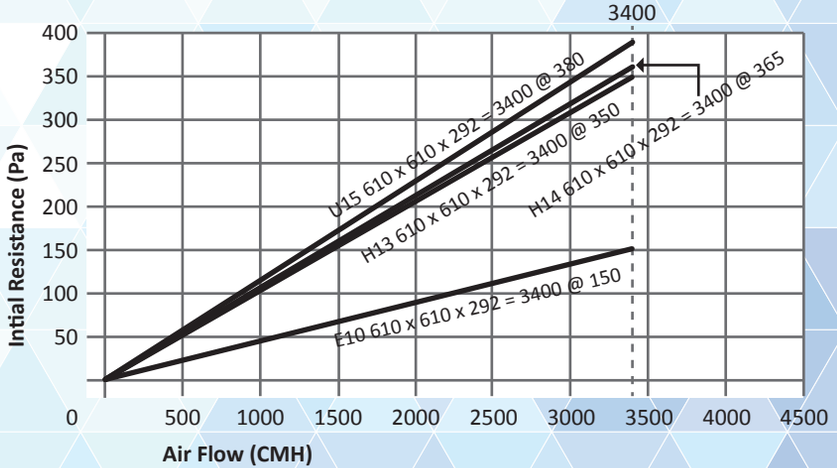
- These filters can be used as final filter in all type of commercial, industrial and institutional HVAC installation.

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 6	305 x 610 x 150	E10	850 / 150
24 x 24 x 6	610 x 610 x 150		1700 / 150
12 x 24 x 12	305 x 610 x 292		1700 / 150
24 x 24 x 12	610 x 610 x 292		3400 / 150
12 x 24 x 6	305 x 610 x 150	H13	850 / 350
24 x 24 x 6	610 x 610 x 150		1700 / 350
12 x 24 x 12	305 x 610 x 292		1700 / 350
24 x 24 x 12	610 x 610 x 292		3400 / 350
12 x 24 x 6	305 x 610 x 150	H14	850 / 365
24 x 24 x 6	610 x 610 x 150		1700 / 365
12 x 24 x 12	305 x 610 x 292		1700 / 365
24 x 24 x 12	610 x 610 x 292		3400 / 365
12 x 24 x 6	305 x 610 x 150	U15	850 / 380
24 x 24 x 6	610 x 610 x 150		1700 / 380
12 x 24 x 12	305 x 610 x 292		1700 / 380
24 x 24 x 12	610 x 610 x 292		3400 / 380

Actual size are measure without gasket. Data base on none header.

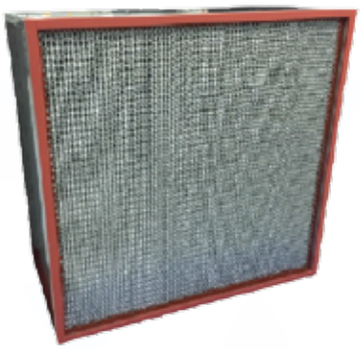
AIR FLOW VS INITIAL RESISTANCE

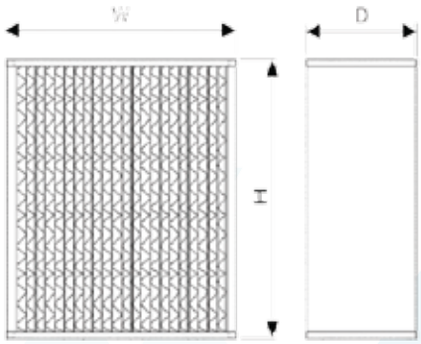


DAF DELTA AIR FILTER

ULTRACEL HT

Aluminium Separator Filter (High Capacity)





SPECIFICATION

Media
Glass fibre with aluminium separator

Efficiency as per EN1822
H13(≥99.95%)
H14(≥99.995%)

Frame
Stainless Steel 304

Header
Double header(DH), Single header(SH), None header(NH)

Sealant
High Temp. Silicone

Gasket
Red Silicone

Temperature
Up to 350°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop 600 Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 6	305 x 610 x 150	H13	1000 / 330
24 x 24 x 6	610 x 610 x 150		2000 / 330
36 x 24 x 6	915 x 610 x 150		3000 / 330
48 x 24 x 6	1220 x 610 x 150		4000 / 330
12 x 24 x 12	305 x 610 x 292		1700 / 350
24 x 24 x 12	610 x 610 x 292		3400 / 350
36 x 24 x 12	915 x 610 x 292		5000 / 350
48 x 24 x 12	1220 x 610 x 292		6660 / 350
12 x 24 x 6	305 x 610 x 150	H14	1000 / 375
24 x 24 x 6	610 x 610 x 150		2000 / 375
36 x 24 x 6	915 x 610 x 150		3000 / 375
48 x 24 x 6	1220 x 610 x 150		4000 / 375
12 x 24 x 12	305 x 610 x 292		1700 / 380
24 x 24 x 12	610 x 610 x 292		3400 / 380
36 x 24 x 12	915 x 610 x 292		5000 / 380
48 x 24 x 12	1220 x 610 x 292		6660 / 380

Pressure Range +- 15%

INTRODUCTION

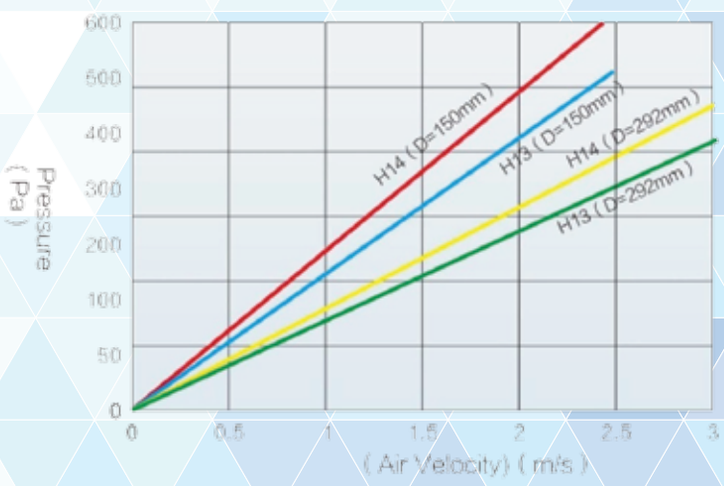
- The media pack consisting of pleated microglass paper media and corrugated aluminium separator, is sealed inside the metal frame forming a totally rigid filter assembly.

- Red Silicone sealant applies throughout all filter to prevent any possible leakage.

APPLICATION

- HEPA-filters are used for terminal filtration in environments and industries requiring extremely high levels of cleanliness, e.g., electronics and semiconductor manufacturing, precision machinery, Pharmaceuticals, hospitals, food processing etc.

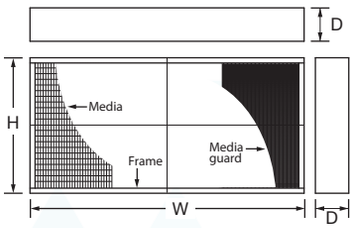
AIR VELOCITY VS PRESSURE



DAF DELTA AIR FILTER

ULTRAMIN

Minipleat Filter



SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency as per EN1822
H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Anodized Aluminium Extrusion (69, 81mm)

Sealant
Polyurethane

Gasket
Both sides (69mm), Upstream Gel Seal (81mm)

Faceguard
Epoxy powder coated expanded metal

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
0.45 m/s

Recommended final pressure drop ≤ 400Pa

INTRODUCTION

- Filter use minipleat glass fibre media with efficiencies from H13 to U15.

- The extended media surface combined with precisely controlled bead separator pleating creates low resistance to air flow and save energy consumption.

APPLICATION

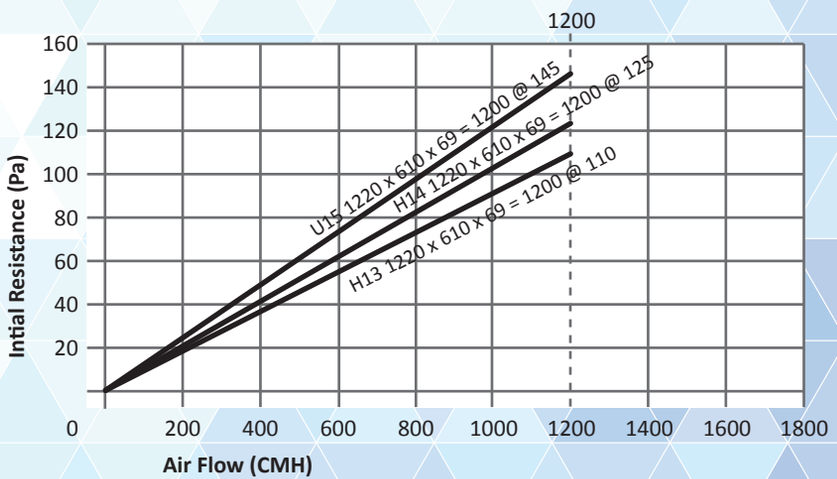
- Filter are designed for optimize applications, such as health care, commercial, educational and industrial building

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 2.3/4 / 3.1/8	305 x 610 x 69 / 81	H13	300 / 110
24 x 24 x 2.3/4 / 3.1/8	610 x 610 x 69 / 81		600 / 110
36 x 24 x 2.3/4 / 3.1/8	**915 x 610 x 69 / 81**		900 / 110
48 x 24 x 2.3/4 / 3.1/8	1220 x 610 x 69 / 81		1200 / 110
12 x 24 x 2.3/4 / 3.1/8	305 x 610 x 69 / 81	H14	300 / 125
24 x 24 x 2.3/4 / 3.1/8	610 x 610 x 69 / 81		600 / 125
36 x 24 x 2.3/4 / 3.1/8	**915 x 610 x 69 / 81**		900 / 125
48 x 24 x 2.3/4 / 3.1/8	1220 x 610 x 69 / 81		1200 / 125
12 x 24 x 2.3/4 / 3.1/8	305 x 610 x 69 / 81	U15	300 / 145
24 x 24 x 2.3/4 / 3.1/8	610 x 610 x 69 / 81		600 / 145
36 x 24 x 2.3/4 / 3.1/8	**915 x 610 x 69 / 81**		900 / 145
48 x 24 x 2.3/4 / 3.1/8	1220 x 610 x 69 / 81		1200 / 145

Actual size are measure without gasket.

AIR FLOW VS INITIAL RESISTANCE



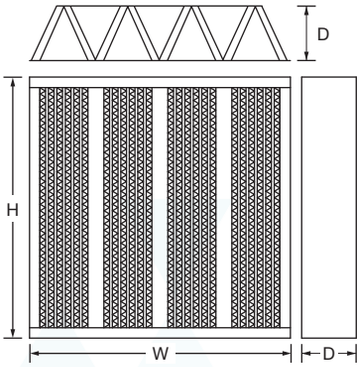
EPA/HEPA/ULPA Filter Series

DAF DELTA AIR FILTER

Specification, appearance and content are subject to change without prior notice.

ULTRAVEE

V-Bank Minipleat Filter



SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency as per EN1822
E10 (≥85%), E11 (≥95%), E12 (≥99.5%), H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Acrylonitrile Botadiene Styrene(ABS)

Header
20mm Single header(SH) (Option 25mm)

Sealant
Polyurethane

Gasket
Air leaving side(ALS)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 400Pa (E10), ≤ 500Pa (H13, H14, U15)

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
24 x 12 x 12	592 x 287 x 292	E10	1700 / 220
24 x 20 x 12	592 x 490 x 292		2839 / 220
24 x 24 x 12	592 x 592 x 292		3400 / 220
24 x 12 x 12	592 x 287 x 292	H13	1700 / 280
24 x 20 x 12	592 x 490 x 292		2839 / 280
24 x 24 x 12	592 x 592 x 292		3400 / 280
24 x 12 x 12	592 x 287 x 292	H14	1700 / 295
24 x 20 x 12	592 x 490 x 292		2839 / 295
24 x 24 x 12	592 x 592 x 292		3400 / 295
24 x 12 x 12	592 x 287 x 292	U15	1700 / 310
24 x 20 x 12	592 x 490 x 292		2839 / 310
24 x 24 x 12	592 x 592 x 292		3400 / 310

INTRODUCTION

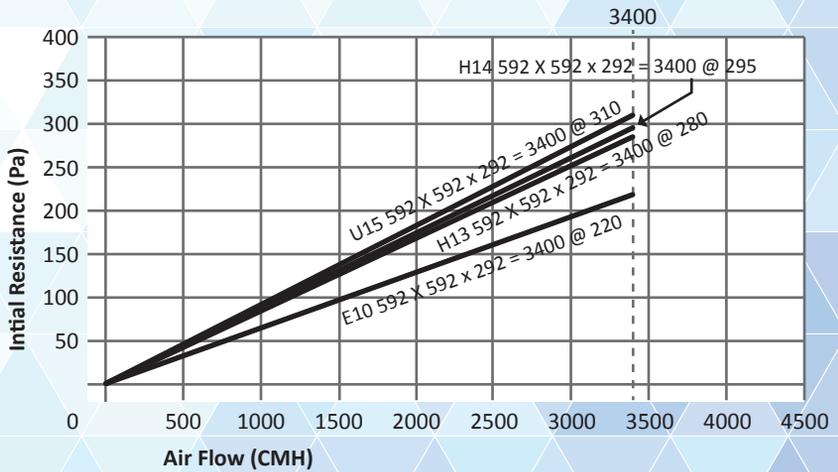
- Extended media surface creates lower resistance to higher air flow which save energy consumption.

- Large media area provides filters longer serving life and higher dust holding capacity.

APPLICATION

- These filters can be function normally in area of repeated turbulent air flow, repeated fan shutdown, desert, and marine installation.

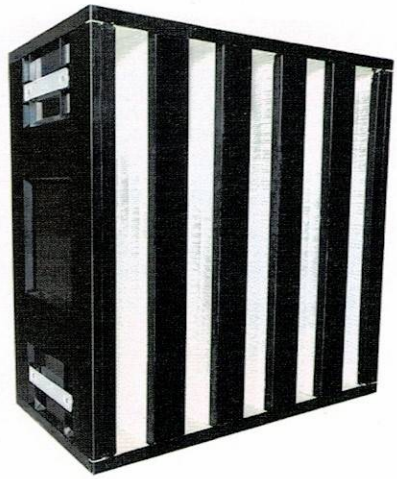
AIR FLOW VS INITIAL RESISTANCE

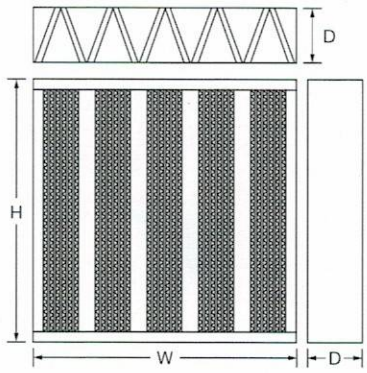


DAF
DELTA AIR FILTER

ULTRAVEE BOX

V-Bank Minipleat Filter (Box Type)





SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency as per EN1822
E10 (≥85%), E11 (≥95%), E12 (≥99.5%), H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Galvanised Steel, Acrylonitrile Botadiene Styrene(ABS)

Sealant
Polyurethane

Gasket
Air leaving side(ALS)

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 750 Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 12	305 x 610 x 292	E10	2125 / 210
24 x 24 x 12	610 x 610 x 292		4250 / 210
12 x 24 x 12	305 x 610 x 292	H13	2125 / 250
24 x 24 x 12	610 x 610 x 292		4250 / 250
12 x 24 x 12	305 x 610 x 292	H14	2125 / 280
24 x 24 x 12	610 x 610 x 292		4250 / 280
12 x 24 x 12	305 x 610 x 292	U15	2125 / 320
24 x 24 x 12	610 x 610 x 292		4250 / 320

Actual size are measure without gasket.

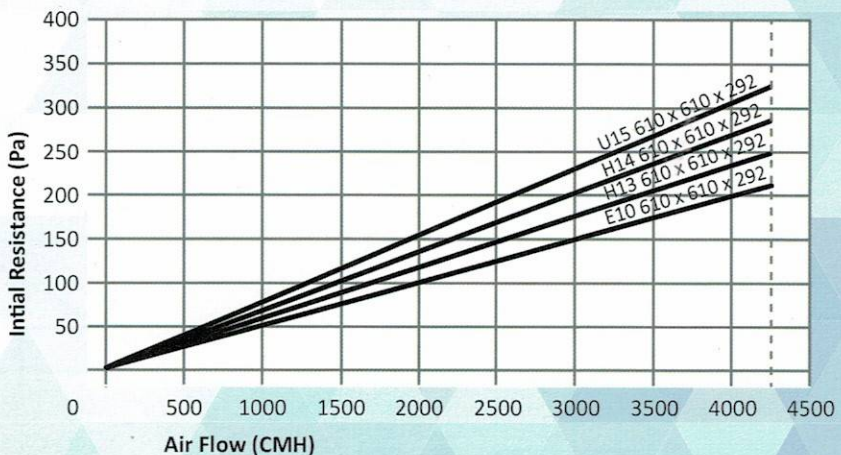
INTRODUCTION

- Extended media surface creates lower resistance to higher air flow which save energy consumption.
- Large media area provides filters longer serving life and higher dust holding capacity.

APPLICATION

- These filters can be function normally in area of repeated turbulent air flow, repeated fan shutdown, desert, and marine installation.

AIR FLOW VS INITIAL RESISTANCE

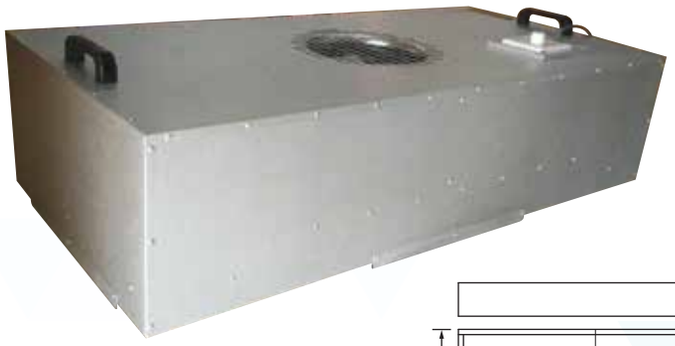


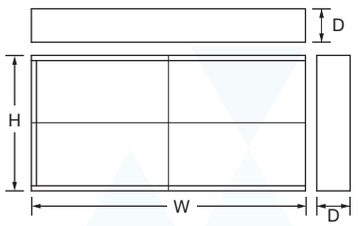
ISO 9001:2015 CERT NO.: 772837

DAF DELTA AIR FILTER

ULTRAFAN

Fan Filter Unit





SPECIFICATION

Housing
Galvalume, Aluminium, Stainless Steel

Power supply
1 Ph 230V, 50/60Hz

Motor type
AC / EC

Filter type
HEPA / ULPA

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

SIZE AND PERFORMANCE DATA

Casing Size		Motor Type	Total Static Pressure Pa
WxH (ft)	D (mm)		
2 x 2	250	AC	230
4 x 2	295	AC	250
4 x 4	345	AC	190
2 x 2	250	EC	230
4 x 2	295	EC	250
4 x 4	345	EC	250

INTRODUCTION

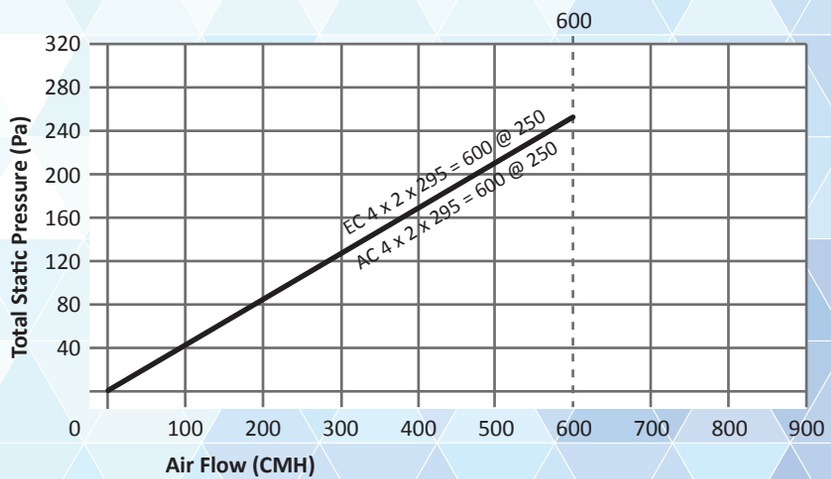
- Fan filter unit is designed for optimum performance and energy saving.

- Easily use modular system to control the cleanroom level.

APPLICATION

- Designed to optimize performance in filtration application for the pharmaceutical, semiconductor, micro-electronics and bio-industry.

AIR FLOW VS TOTAL STATIC PRESSURE

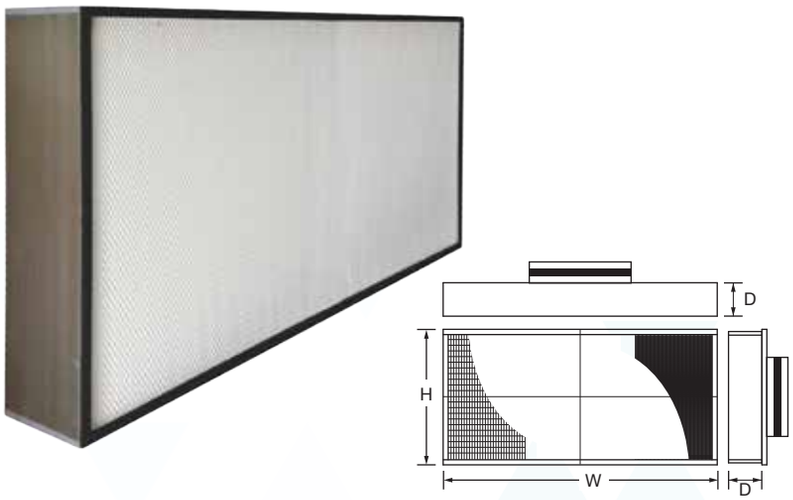


Module Series

DAF DELTA AIR FILTER

ULTRA CEILING

Disposable Ceiling Module



SPECIFICATION

Media
Glass fibre with hot-melt separator

Efficiency as per EN1822
H13(≥99.95%), H14(≥99.995%), U15(≥99.9995%)

Frame
Anodized Aluminium Extrusion

Sealant
Polyurethane

Gasket
Air leaving side(ALS)

Faceguard
Epoxy powder coated expanded metal

Inlet collar
10"(254mm) / 12"(305mm). Adjustable distribution plate with centre divider

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
0.45 m/s

Recommended final pressure drop ≤ 400Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
24 x 24 x 6	600 x 600 x 152	H13	600 / 110
36 x 24 x 6	900 x 600 x 152		960 / 110
48 x 24 x 6	1210 x 600 x 152		1200 / 110
24 x 24 x 6	600 x 600 x 152	H14	600 / 125
36 x 24 x 6	900 x 600 x 152		960 / 125
48 x 24 x 6	1210 x 600 x 152		1200 / 125
24 x 24 x 6	600 x 600 x 152	U15	600 / 145
36 x 24 x 6	900 x 600 x 152		960 / 145
48 x 24 x 6	1210 x 600 x 152		1200 / 145

Actual size are measure without gasket.

INTRODUCTION

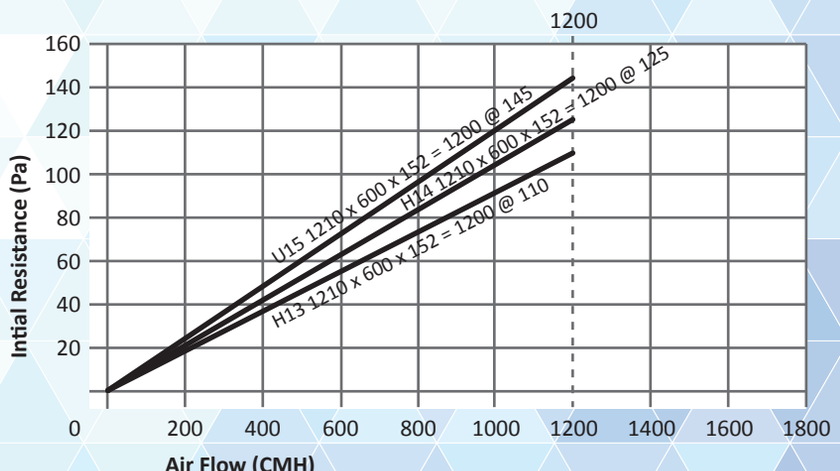
- Complete unit design with low pressure drop to save energy consumption and longer service life.

- Design for easy installation. Module use glass fibre media which is minipleat type.

APPLICATION

- Module are designed for pharmaceutical, semi-conductor, micro-electronics, bio-industry and the surgery rooms of hospital.

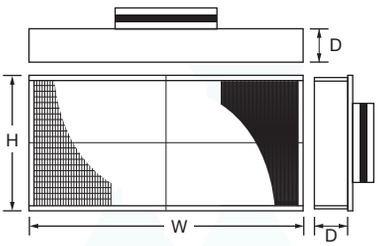
AIR FLOW VS INITIAL RESISTANCE



Module Series

DAF DELTA AIR FILTER

Permanent Ceiling Module RSC Type



SPECIFICATION

Housing
Anodized Aluminium Extrusion

Filter
HEPA / ULPA (69mm Gasket Seal, 81mm Gel Seal)

Inlet collar
10"(254mm) / 12"(305mm). Adjustable distribution plate with centre divider

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
0.45 m/s

Recommended final pressure drop ≤ 400Pa

SIZE AND PERFORMANCE DATA

Casing Size WxHxD (In)	Filter Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
600 x 600 x 152	568 x 568 x 69/81	H13	600 / 110
900 x 600 x 152	868 x 568 x 69/81		960 / 110
1210 x 600 x 152	1178 x 568 x 69/81		1200 / 110
600 x 600 x 152	568 x 568 x 69/81	H14	600 / 125
900 x 600 x 152	868 x 568 x 69/81		960 / 125
1210 x 600 x 152	1178 x 568 x 69/81		1200 / 125
600 x 600 x 152	568 x 568 x 69/81	U15	600 / 145
900 x 600 x 152	868 x 568 x 69/81		960 / 145
1210 x 600 x 152	1178 x 568 x 69/81		1200 / 145

Actual size given not included gasket.

INTRODUCTION

- Complete unit design with low pressure drop to save energy consumption and longer service life.

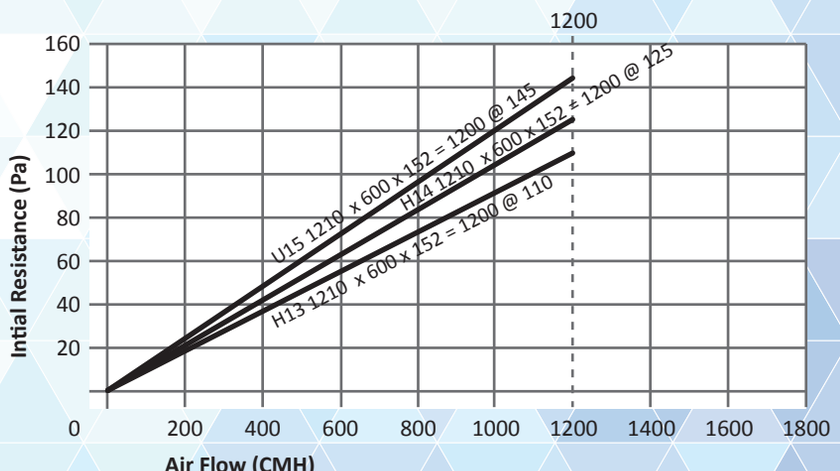
- Design for easy installation. Filter use glass fibre media which is minipleat type.

- Casing are design with permanent knife edge for gasket and Gel Seal type filter.

APPLICATION

- Module are designed for pharmaceutical, semi-conductor, micro-electronics, bio-industry and the surgery rooms of hospital.

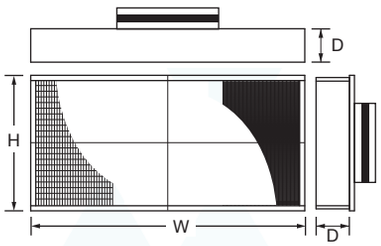
AIR FLOW VS INITIAL RESISTANCE



Module Series

DAF DELTA AIR FILTER

Permanent Ceiling Module



SPECIFICATION

Housing
Anodized Aluminium Extrusion, Stainless Steel, Steel Epoxy Powder Coated

Filter
HEPA / ULPA (69mm Minipleat type, 150 / 292 Aluminium Separator type)

Inlet collar
10"(254mm) / 12"(305mm). Adjustable distribution plate with centre divider

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
0.45 m/s

Recommended final pressure drop
≤ 400Pa(200mm) / ≤ 500Pa(280 / 430mm)

SIZE AND PERFORMANCE DATA

Casing Size WxHxD (In)	Filter Size WxHxD (mm)	Efficiency EN1822	Air Flow / Initial Resistance CMH / Pa
600 x 600 x 200	530 x 530 x 69	H13	450 / 110
1210 x 600 x 200	1140 x 530 x 69		960 / 110
600 x 600 x 280	530 x 530 x 150		630 / 249
1210 x 600 x 280	1140 x 530 x 150		1350 / 249
600 x 600 x 430	530 x 530 x 292		1260 / 249
1210 x 600 x 430	1140 x 530 x 292		2700 / 249

Actual size given not included gasket.

INTRODUCTION

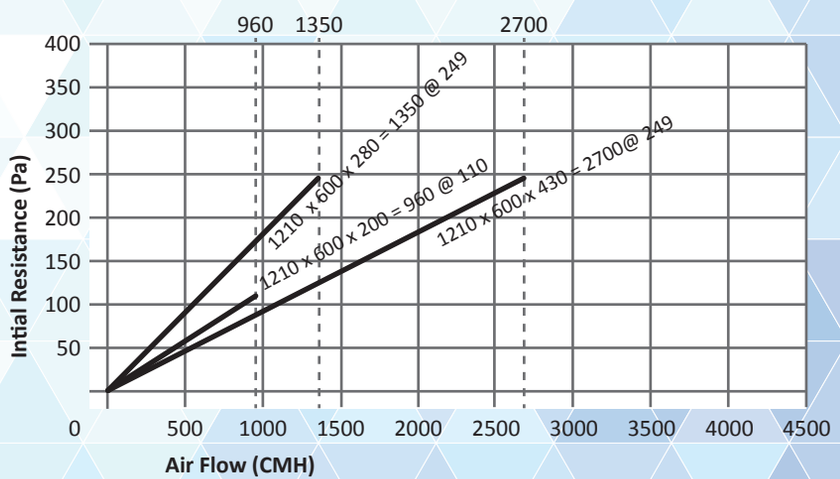
- Complete unit design with low pressure drop to save energy consumption and longer service life.

- Design for easy installation. Filter use glass fibre media which is minipleat type and aluminium separator type.

APPLICATION

- Module are designed for pharmaceutical, semi-conductor, micro-electronics, bio-industry and the surgery rooms of hospital.

AIR FLOW VS INITIAL RESISTANCE

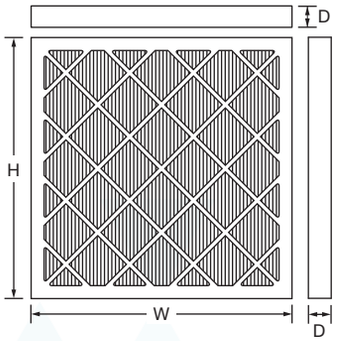


Module Series

DAF DELTA AIR FILTER

PRIMA CARBON

Carbon Pleated Filter



SPECIFICATION

Media
Synthetic fibre, self support, 60% activity carbon VOCs (Option: Ammonia and Acid)

Efficiency
G4(≥90%)

Frame
Virgin craft beverage board

Adhesive
Water repellent adhesive

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 249Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Efficiency EN779	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 2	289 x 594 x 44	G4	1700 / 130
24 x 24 x 2	594 x 594 x 44		3400 / 130
12 x 24 x 4	289 x 594 x 95		1700 / 110
24 x 24 x 4	594 x 594 x 95		3400 / 110

INTRODUCTION

- Constructed with a beverage board and pleated media to provide maximum effective area.

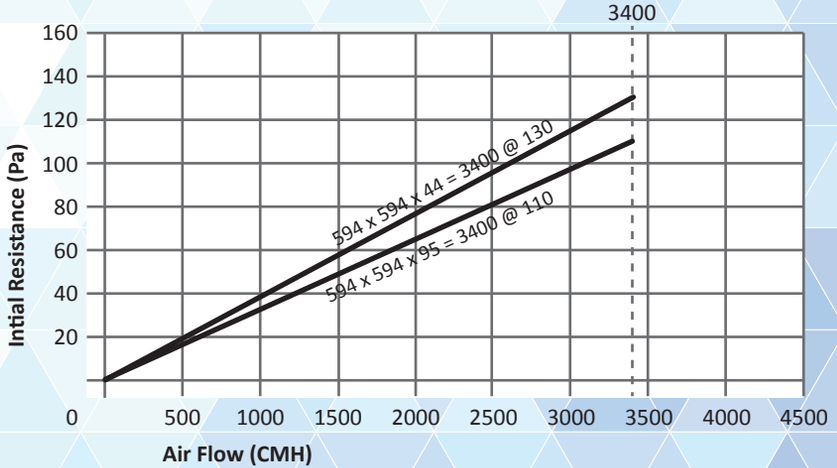
- Carbon pleated filters remove a wide range of odors and common indoor air pollutants.

APPLICATION

- The carbon pleated filters are well suited for use in air make-up and re-circulation application in office building, hospital, airport, food courts and manufacturing facilities.

- Carbon pleated filters are suitable for use in light duty commercial applications where molecular contaminant concentrations are low and/or intermittent.

AIR FLOW VS INITIAL RESISTANCE



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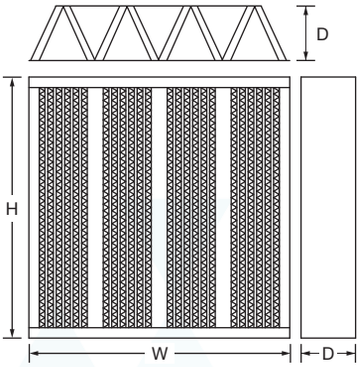
DELTA AIR FILTER

MICROVEE CARBON

Carbon V-Bank Minipleat Filter



SPECIFICATION

Media
Synthetic fibre, self support, 60% activity carbon VOCs (Option: Ammonia and Acid)

Frame
Acrylonitrile Botadiene Styrene(ABS)

Header
20mm Single header(SH)

Sealant
Polyurethane

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Air Flow / Initial Resistance CMH / Pa
24 x 12 x 12	592 x 287 x 292	1700 / 80
24 x 24 x 12	592 x 592 x 292	3400 / 80

Actual size given not included gasket.

INTRODUCTION

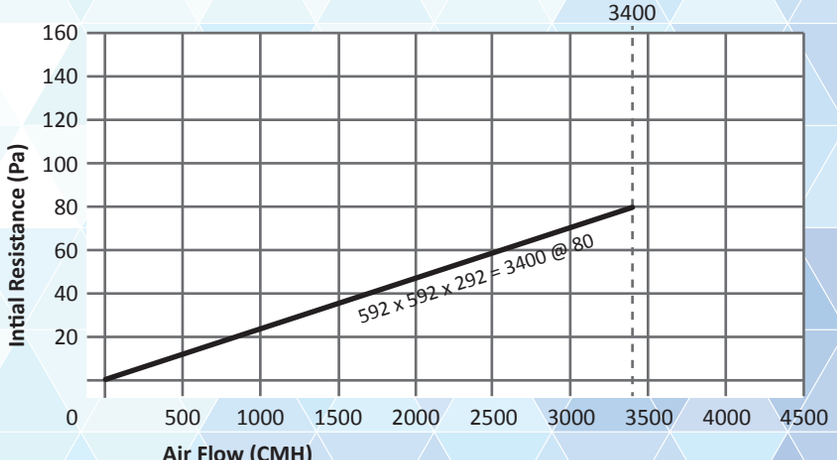
- Gas phase V bank filter ensure a much higher effective active area per kg of media, resulting in a high spontaneity of reaction.

- Gas phase V bank filters remove a wide range of odors and common indoor air pollutants.

APPLICATION

- The gas phase V bank filters are well suited for use in air make-up and re-circulation application in office building, hospital, airport, food courts and manufacturing facilities.

AIR FLOW VS INITIAL RESISTANCE



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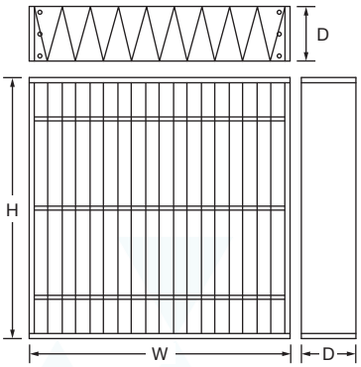
Specification, appearance and content are subject to change without prior notice.

MICRO CARBON

Carbon Rigid Pleated Filter



SPECIFICATION

Media
Synthetic fibre, self support, 90% activity carbon
VOCs (Option: Ammonia and Acid)

Frame
Galvanised Steel with metal finger and diagonal support

Header
Double header(DH), Single header(SH), None header(NH)

Sealant
Polyurethane

Temperature
≤70°C

Humidity
≤90% RH

Rated Velocity
2.5 m/s

Recommended final pressure drop ≤ 375Pa

SIZE AND PERFORMANCE DATA

Nominal Size WxHxD (In)	Actual Size WxHxD (mm)	Air Flow / Initial Resistance CMH / Pa
12 x 24 x 12	289 x 594 x 292	1700 / 90
24 x 24 x 12	594 x 594 x 292	3400 / 90

Data base on none header.

INTRODUCTION

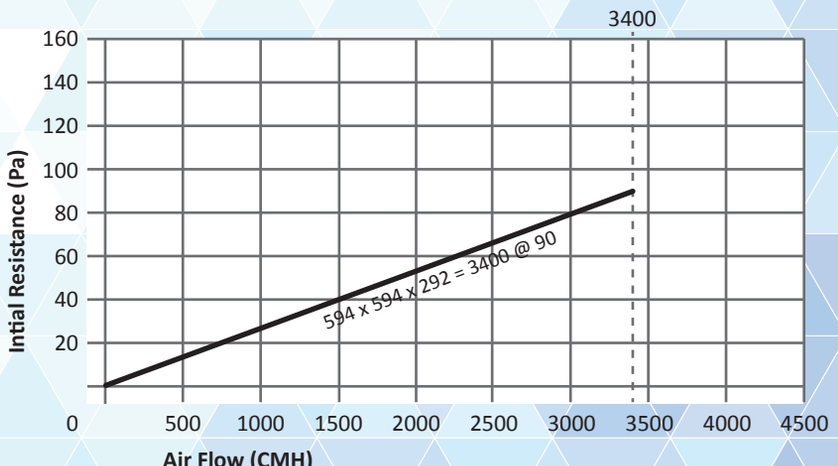
- Gas phase rigid pleated filter ensure a much higher effective active area per kg of media, resulting in a high spontaneity of reaction.

- Gas phase rigid pleated filters remove a wide range of odors and common indoor air pollutants.

APPLICATION

- The gas phase rigid pleated filters are well suited for use in air make-up and re-circulation application in office building, hospital, airport, food courts and manufacturing facilities.

AIR FLOW VS INITIAL RESISTANCE



Chemical Filter Series

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APPLICATION GUIDELINE

CEN Std.		Ashrae Std.52.1		Ashrae Std.52.2
Filter Class	Efficiency	Dust Spot Efficiency	Arrestance	MERV
U17	99.999995%(MPPS)	—	—	—
U16	99.99995%(MPPS)	—	—	—
U15	99.9995%(MPPS)	—	—	20
H14	99.995%(MPPS)	—	—	19
H13	99.95%(MPPS)	—	—	18
H12	99.5%(MPPS)	—	—	17
H11	95%(MPPS)	—	—	16
H10	85%(MPPS)	—	—	16
F9	95≦Em	>95%	—	15
F8	90≦Em<95%	90-95%	>98%	14
F7	80≦Em<90%	80-90%	>98%	13
F6	60≦Em<80%	70-75%	>95%	12
		60-65%	>95%	11
F5	40≦Em<60%	50-55%	>95%	10
		40-45%	>90%	9
G4	90≦Am	30-35%	>90%	8
		25-30%	>90%	7
G3	80≦Am<90%	<20%	85-90%	6
		<20%	80-85%	5
G2	65≦Am<80%	<20%	75-80%	4
		<20%	70-75%	3
		<20%	65-70%	2
G1	Am<65%	<20%	<65%	1

U：ULPA Filter　H：HEPA Filter　MPPS：Most Penetrating Particle Size　Am：Average arrestance Am on Synthetic Dust
H10~U17：CEN EN1822　G1~F9：CEN EN779　EM：Average Efficiency Em on atmospheric Dust

DELTA AIR FILTER MALAYSIA

No: 26, Jalan SG Jeluh 32/189, Bukit Naga Sek 32, 40460 Shah Alam, Selangor D.E.
Phone: +603-5166 2875 Fax: +603-5167 0053

DISTRIBUTOR :
PT. GLOBALINDO INTI SARANA

Jl. Kedoya Raya
Taman Kedoya Indah Blok RB-8E, Jakarta Barat 11520
Phone: (62-21) 5835 5151 Hp: 08118503187 Fax: (62-21) 5835 2818
Email: sales@globalindointisarana.com