

# BLU HYBRID 100

## Rigid Formed Hybrid Media Filter

### Description

Airepure BLU Hybrid 100 series filters feature a unique 3-layer filter media design, offering extremely low pressure drop for high efficiency grades.

These rigid, formed hybrid media filters are humidity and microbial resistant and offer high dust holding with low pressure drop resulting in longer filter life and lower energy usage.

Rated at F6 to F9 (MERV 11-MERV 15) and UL 900 certified, the Airepure BLU Hybrid 100 series filters are ideal for commercial HVAC filtration installations within hospitals, or any location with limited space for higher grade filtration or where UL 900 certified and/or F6 to F9 filtration may be required.

### Construction

Airepure BLU Hybrid 100 series filters represent a new generation of filters based on a proprietary and patented pleat technology with no hot melt construction. The unique pleat design of IREMA-Filter media keeps the pleats apart and withstands all air velocities with a laminar air flow.

IREMA-Filter media is exclusively manufactured on production machines designed and built in-house. Proprietary manufacturing technology enables IREMA-Filter to flexibly design media out of fibres with different filtration properties.

Airepure BLU Hybrid 100 series includes a unique IREMA-Filter media with a progressive 3-dimensional layers structure:

- Layer 1: pre-filter to reach relevant dust holding capacities
- Layer 2: proprietary technology for more filtration efficiency
- Layer 3: fine dust filtration to capture smallest particles

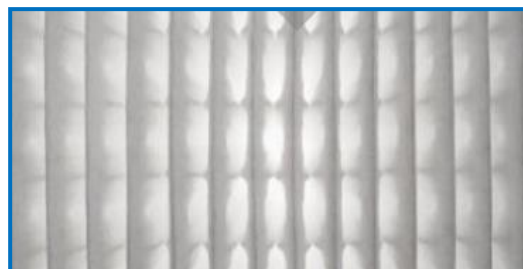
The 3 layers of media enable the Airepure BLU Hybrid 100 series filters to effectively have tripled the surface area which creates a large dust holding capacity whilst maintaining low physical media surface area, creating laminar flow and low pressure drop.

### Features

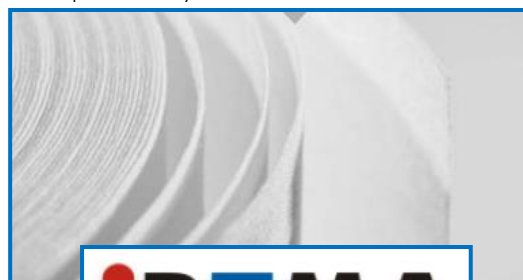
- UL 900 Certified
- Tested according to EN779 and ASHRAE 52.2
- Low pressure drop resulting in less energy usage, smaller fan selection and less noise
- High dust holding capacity resulting in long life and lower life cycle cost
- Lightweight and easy to handle
- Excellent stability and strength
- Humidity resistant construction
- 100 % synthetic media - No microbial growth
- Available with header



Airepure  
BLU Hybrid 100  
(full size 610x610x100mm)



Unique 3-layer filter media design of the  
Airepure BLU Hybrid 300 series filters.



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AIR & FILTRATION

# AIREPURE BLU HYBRID 100 SERIES FILTER



## F6 (MERV 11)

Model	Face Velocity 1.90 m/sec		Face Velocity 2.54 m/sec		Face Velocity 3.38 m/sec		External Dimensions Nominal (mm)			External Dimensions Actual (mm)		
	l/sec	PD	l/sec	PD	l/sec	PD	Height	Width	Depth	Height	Width	Depth
BF612244	354	40	457	63	630	99	305	610	100	284	594	98
BF624244	708	40	944	63	1260	99	610	610	100	594	594	98

## F7 (MERV 13)

Model	Face Velocity 1.90 m/sec		Face Velocity 2.54 m/sec		Face Velocity 3.38 m/sec		External Dimensions Nominal (mm)			External Dimensions Actual (mm)		
	l/sec	PD	l/sec	PD	l/sec	PD	Height	Width	Depth	Height	Width	Depth
BF712244	354	53	457	81	630	123	305	610	100	284	594	98
BF724244	708	53	944	81	1260	123	610	610	100	594	594	98

## F8 (MERV 14)

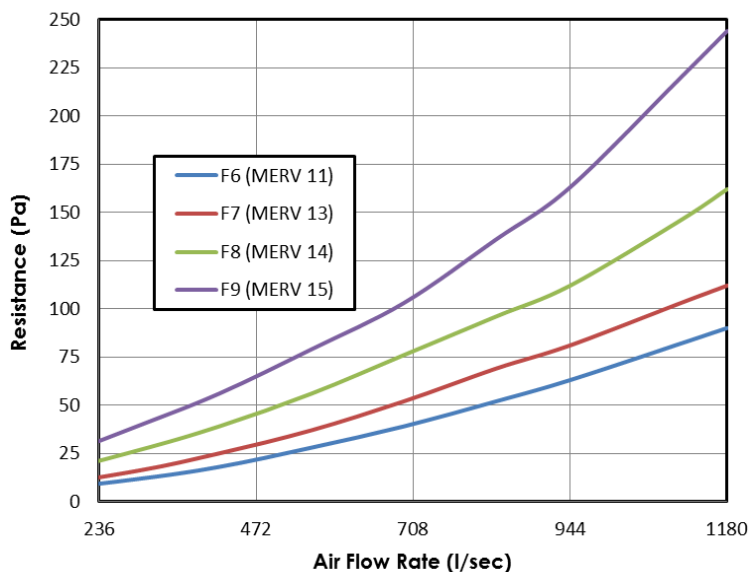
Model	Face Velocity 1.90 m/sec		Face Velocity 2.54 m/sec		Face Velocity 3.38 m/sec		External Dimensions Nominal (mm)			External Dimensions Actual (mm)		
	l/sec	PD	l/sec	PD	l/sec	PD	Height	Width	Depth	Height	Width	Depth
BF812244	354	78	457	112	630	181	305	610	100	284	594	98
BF824244	708	78	944	112	1260	181	610	610	100	594	594	98

## F9 (MERV 15)

Model	Face Velocity 1.90 m/sec		Face Velocity 2.54 m/sec		Face Velocity 3.38 m/sec		External Dimensions Nominal (mm)			External Dimensions Actual (mm)		
	l/sec	PD	l/sec	PD	l/sec	PD	Height	Width	Depth	Height	Width	Depth
BF912244	354	106	457	163	630	272	305	610	100	284	594	98
BF924244	708	106	944	163	1260	272	610	610	100	594	594	98

Rated F6, F7, F8, F9 efficiency to EN779:2012      Rated MERV 11, 13, 14, 15 efficiency to ASHRAE 52.2:2015.  
 For models with header, product code ends in H (eg. BF612244H). Actual external dimensions are 289 x 594 x 102mm for half size header and 594 x 594 x 102mm for full size header.

**Air Flow vs Resistance Clean Device**



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