

# BLU HYBRID 300

## Rigid Formed Hybrid Media Filter

### Description

Airepure BLU Hybrid 300 series filters feature a unique 3-layer filter media design, resulting in a lightweight alternative to the conventional 300mm deep mini-pleat style filter.

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 300 series filters are ideal for commercial HVAC filtration installations within hospitals, data centres, casinos, public railway stations or any location where UL 900 certified and/or F6 to F9 filtration may be required.

### Construction

Airepure BLU Hybrid 300 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 300 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

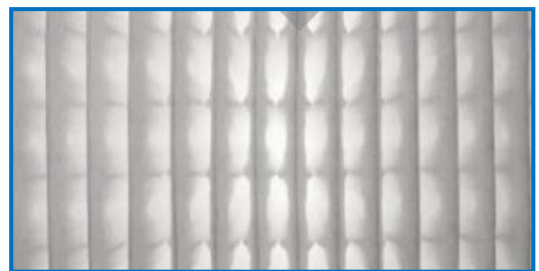
The 3 layers of media enable the Airepure BLU Hybrid 300 series filters to effectively have tripled the surface area which creates a large dust holding capacity whilst maintaining low physical media surface area, creating laminar flow and low pressure drop.

### 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 compared to conventional 300mm deep mini-pleat style filters
- Excellent stability and strength
- Humidity resistant construction
- 100 % synthetic media - No microbial growth



Airepure  
BLU Hybrid 300  
(full size 610x610x305mm)



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



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**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
BF6122412	354	30	457	49	630	78	305	610	305	289	594	298
BF6242412	708	30	944	49	1260	78	610	610	305	594	594	298

**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
BF7122412	354	41	457	66	630	102	305	610	305	289	594	298
BF7242412	708	41	944	66	1260	102	610	610	305	594	594	298

**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
BF8122412	354	51	457	80	630	127	305	610	305	289	594	298
BF8242412	708	51	944	80	1260	127	610	610	305	594	594	298

**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
BF9122412	354	63	457	93	630	146	305	610	305	289	594	298
BF9242412	708	63	944	93	1260	146	610	610	305	594	594	298

Rated F6, F7, F8, F9 efficiency to EN779:2012    Rated MERV 11, 13, 14, 15 efficiency to ASHRAE 52.2:2015.

**Air Flow vs Resistance Clean Device**

