

THE WORLD LEADER IN CLEAN AIR SOLUTIONS

# PurAir 350C

CEILING MOUNTED UNIT



Bringing clean air to life.®

# PurAir 350C

## Ceiling Mounted Unit



### Specification

Air flow	400 CMH
CADR	350 CMH
Filtration Efficiency	>99% Integral
Filtration Space	100 Sqft / 9.3 Sqm @12 ACPH
Housing Colour / Material	White / GI or SS
Filter configuration	MegaPleat M8 > AmAir C > UV > MegaCel II (eFRM)

### Application

Suitable for all kinds of commercial indoor environment, especially for hospitals, schools, airports, financial institutions, hotels and shopping malls. As supplement of indoor fresh air, it can be connected to existing fresh air system or mixed (fresh & recirculating) air system.

### Advantages & Benefits

- The compact design of machine integrated with three-stage of high-performance filters can efficiently remove indoor fine particles, harmful gases, bacteria and viruses.
- First-stage coarse panel filter is used to effectively remove indoor large particles, dust and hair.
- Second stage is a combination filter (with carbon) – AmAir C, Which can effectively remove indoor TVOC, odours, harmful gases, such as formaldehyde.
- Third-stage UV-C with an electrical discharge through a low-pressure gas enclosed in a Quartz tube for in-activating viral, bacterial and fungal organisms.
- Fourth-stage HEPA filter can remove indoor fine particles such as PM2.5, PM1, bacteria and virus.
- The machine adopts low-noise, high-torque DC fan and 10 speed setting function.
- The optimized sealing structure can effectively control noise.
- A quick ceiling-mounted structure design is suitable for pipelines and surface mounted environments.
- Easy-to-replace air duct adapters at both ends for on-site installation.



MEGApleat® M8



AmAir®/C



UV Light



MEGAcel® II  
with eFRM Filtration Technology

## Main Unit

Model	Housing dimension (Connector and electrical box) (L x W x H) mm	Voltage/ Frequency V/Hz	Power W	Noise dB(A)	Unit Weight Kg
PA350-2P-4C/4F-UV-4H	1050 x 414 x 310	220V~50/60Hz	175	<65 dB (A) @ 1m	27

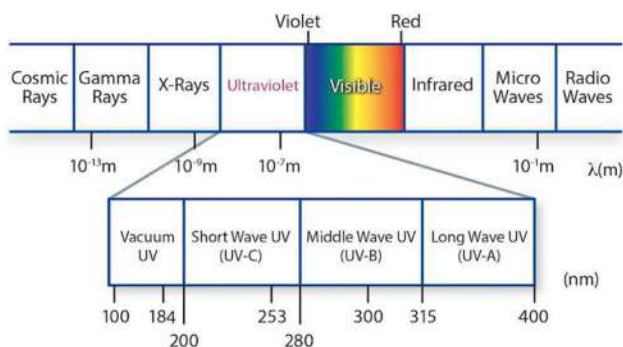
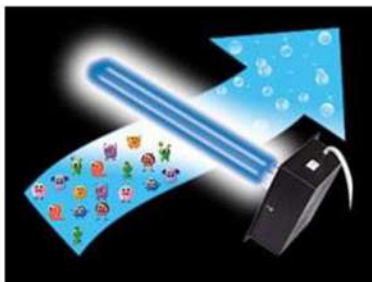
## Product Information

Model	Product	Filter	Filter Dimension (WxHxD) mm	Quantity
Ceiling Mounted Recirculation Unit	MEGApleat M8	G4 – Pre-Filter	295 x 295 x 46	1
	AmAir C	G4 +Carbon – Carbon Filter	295 x 295 x 46	1
	UV	Optional		
	MEGAcel II (eFRM)	H14 - HEPA Filter	295 x 295 x 117	1

## UV Light

Ultraviolet energy inactivates viral, bacterial and fungal organisms so they are unable to replicate and potentially cause disease. The entire UV spectrum is capable of inactivating microorganisms, but UV-C (wavelengths of 100 – 280 nm) provides the most germicidal effect, with 253.7 nm being the optimum wavelength. The majority of modern UVGI lamps create UV-C with an electrical discharge through a low-pressure gas (including mercury vapor) enclosed in a quartz tube, similar to fluorescent lamps. Roughly 95% of the energy produced by these lamps is radiated at a near-optimal wavelength of 253.7 nm.

Source: ASHRAE - <https://www.ashrae.org/technical-resources/filtration-disinfection>



# MEGApleat® M8

## Product Overview

- Excellent as a pre-filter
- Low operating resistance saves energy
- Highest dust holding capacity
- Strongest construction
- Guaranteed consistent performance
- Patent-pending filter design
- Heavy-duty, galvanised expanded metal support grid



## Specification

EN779	G4
ASHRAE 52.2	MERV 8
ISO 16890	Coarse 60%
Filter Depth (mm)	22,44,95
Media Type	Synthetic
Frame Material	Moisture Resistant Beverage Board/Al
Special Size Available	Yes
Antimicrobial Available	No
Recomm. Final Resistance	250 Pa
Max Operating Temperature	93° C
Air Filtration Certificate	UL 900

## Product Information

### MEGApleat® M8

Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Rated Airflow (CMH)	Rated Initial Resistance (Pa)
12 x 12 x 2	295 x 295 x 46	400	35

# AmAir® /C

## Product Overview

- Disposable filter for economical, effective, gas-phase and particulate filtration
- Economical solution to many gaseous contaminant problems including odors
- Carbon
- Odor removal and corrosion control protection
- Easy to install
- Directly interchangeable with standard air filters



## Specification

EN779	G4
ASHRAE 52.2	MERV 7
Filter Depth (mm)	44
Media Type	Carbon
Frame Material	Moisture Resistance Beverage Board/Al
Special Size Available	Yes
Antimicrobial Available	No
Recommended Filter Resistance	250 Pa
Max Operating Temperature	49°C
Air Filtration Certificate	UL 900

## Product Information

### AmAir®/C

Nominal Size Inches (W x H x D)	Actual Size mm (W x H x D)	Rated Airflow (CMH)	Rated Initial Resistance (Pa)
12 x 12 x 4	295 x 295 x 46	350	70

# MEGAcel® II eFRM

## Product Overview

- Pharmaceutical grade eFRM Filtration Technology media is proven to be more durable than microglass, delivering superior performance than micro fibreglass
- Industry's first and only eFRM media to be Polyalphaolefin (PAO) compatible, with a higher PAO holding capacity compared to microglass media
- Superior durability and tensile strength, 84 times the pleated strength of microglass
- Chemical-resistant capabilities reduce media degradation in highly corrosive environments
- Exceptional water resistance compared to ultrafine microglass



## Specification

EN1822	H14
Filter Depth (mm)	50
Media Type	eFRM
Frame Material	Aluminium
Separator Style	Hot Melt
Gasket Material (Standard)	PU
Gasket Material (Optional)	Neoprene, EPDM
Gasket Position (Standard)	Downstream
Gasket Position (Optional)	Upstream, Both Sides
Faceguard	Both Sides
Special Size Available	Yes
Antimicrobial Available	No
Recommended Final Resistance	500 Pa
Max Operating Temperature	70°C
Air Filtration Certification	UL 900

**MEGAcel® II**  
with eFRM Filtration Technology

MEGAcel® is a registered trademark of AAF International in the U.S. and other countries.

## Product Information

### MEGAcel® II eFRM

Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Rated Airflow (CMH)	Rated Initial Resistance (Pa)
12 x 12 x 4	295 x 295 x 117	350	140

## Proven Expertise of AAF

AAF offers the most comprehensive air filtration portfolio in the industry, including particulate and gas-phase filters, to provide a customized clean air solution. Each product is carefully designed, manufactured, and tested in full compliance with all applicable standards to meet the most challenging demands with the lowest Total Cost of Ownership.

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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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