

# Clean-Ceil 1 Fan Filter Modules



The Microzone Clean-Ceil 1 Fan Filter Module provides a clean environment exactly where you need it. The motorized impeller draws air from the surroundings through a pre-filter then passes it through the HEPA or ULPA filter. These units are also designed to fit standard cleanroom T-grid ceiling systems. The unique design allows you to choose optional accessories necessary to meet your requirements.

## Key Features of Product

- Fire rated acrylic/PVC thermoplastic housing
- Integral pre-filter housing
- Standard 53mm filter pack
- Energy efficient design
- Neoprene gasket for downstream grid attachment
- Low noise operation
- Seismic suspension tabs
- Optional ducted air supply collar

## Technical Specifications

### Air System

Cleanliness Level	Provides better than CLASS 100 conditions - CLASS 10 with an ULPA filter
Motor/Impeller	Maintenance free permanently lubricated ball bearing (estimated bearing life of 140,000 hours) fixed armature motor with a single inlet centrifugal fan
Air Velocity	90ft/min. average when measured six inches from filter face
Standard Filter	HEPA filter rated 99.99% efficient at 0.3 microns and larger
Optional Filter	ULPA filter rated 99.9995% efficient at 0.12 microns and larger
Pre-filters	Washable type rated 40% efficient (ASHRAE STD 52-68) pre-filter housing
Optional Ducted Air Supply	Aluminum duct collar connection

### Electrical

Motor	115V, 1.9A, 60Hz, optional 220V/50Hz units available
Control Interface	SCR speed control is standard. Cluster controller for the management of multiple units is optional

## General

Noise Level	Less than 54 db on the "A" scale - 30" from filter face in 9' ceiling
Weight	Less than 50lbs (23kg)
Certification	All units factory certified before leaving plant. CSA/NRTL approved
Warranty	Twelve months

## Nomenclature

Model	Nominal Dimensions W x L x H	Type	Electrical
FFM-2-4-E	24" x 48" x 13.5" (600) x (1210) x (343)	HEPA	220V
FFM-2-4-F	24" x 48" x 13.5" (600) x (1210) x (343)	ULPA	220V
FFM-2-2-G	24" x 24" x 13.5" (600) x (600) x (343)	HEPA	220V
FFM-2-2-H	24" x 24" x 13.5" (600) x (600) x (343)	ULPA	220V

( ) Indicates millimeters except where noted