APPLICATION
The Model FFU-2 fan powered, filtered unit utilizes the well-proven and time-tested concept of vertical air mass `laminar flow' technology. The filter unit is designed to accept a HEPA or ULPA filter with Gel seals and can easily be removed and replaced from the room side of the assembly. Our high quality pleated filters incorporate a “separatorless” design, 2” deep media, integral test port and an anodized aluminum gel seal frame.

- Fan Powered Laminar flow diffuser produces a non-aspirating, low velocity, uniformly distributed downward moving “piston” of clean, conditioned supply air.
- Terminal filter ceiling module where Room Side Replaceable HEPA or ULPA filters are required. Knife-edge housing using gel seal filters.
- Use in cleanrooms or where performance validation is required.
- Class 10 up to Class 100,000 spaces.
- ASHRAE, HEPA, and ULPA efficiencies available up to 99.99999+ % @ .12 microns.

PRODUCT FEATURES
- Standard module sizes: 2' x 2', 2' x 3', 2' x 4'. Heavy frame construction using anodized aluminum extrusions. Large filter face areas.
- Inlet sizes: 10", 12" diameter.
- Filters pack sizes: 2-1/2", 4", or 5" deep. Ultra-low pressure drop using mini-pleated glass media with adhesive separators.
- Filter snaps into place and removes without use of tools - one person design.
- Every filter is dynamically tested at the factory and labeled with pressure drop and efficiency results. Methods of testing include hot DOP, PSL, Scan, “O” Probe, and laser testing as specified/required.
- Filter interface includes knife edge into filter gel seals for zero leak performance
- Integral filter face guard is 65% expanded steel with white epoxy coating.
- Filter center divider includes (2) ports for upstream challenge and pressure measurements. (1) Port provides access to the integral aluminum balancing damper. Ports are sealed with removable well nuts.
- Available for lay-in T-bar or hard surface ceiling systems.

OPTIONS
- Closed cell neoprene gasket on housing frame for T-Bar installations.
- Anodized aluminum filter face guard.
- Thermal insulation.
- Seismic restraints.
- Other module sizes and inlet diameters available.
Clean Room Filter Modules

model FFU-2
Fan Filter Unit

dimensional data

SECTION A-A
SCALE 1:6

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Electrical Data

120VAC
- 225W @ 90ft/min
- 4.2 A @ full speed (730 CFM)

208/240V AC
- 2.7A @ full speed (730 CFM)

277VAC
- 2.1A @ full speed (730 CFM)