



Critical Thinking for Your Critical Environment

DATA SHEET

Criti-Clean™ FFU

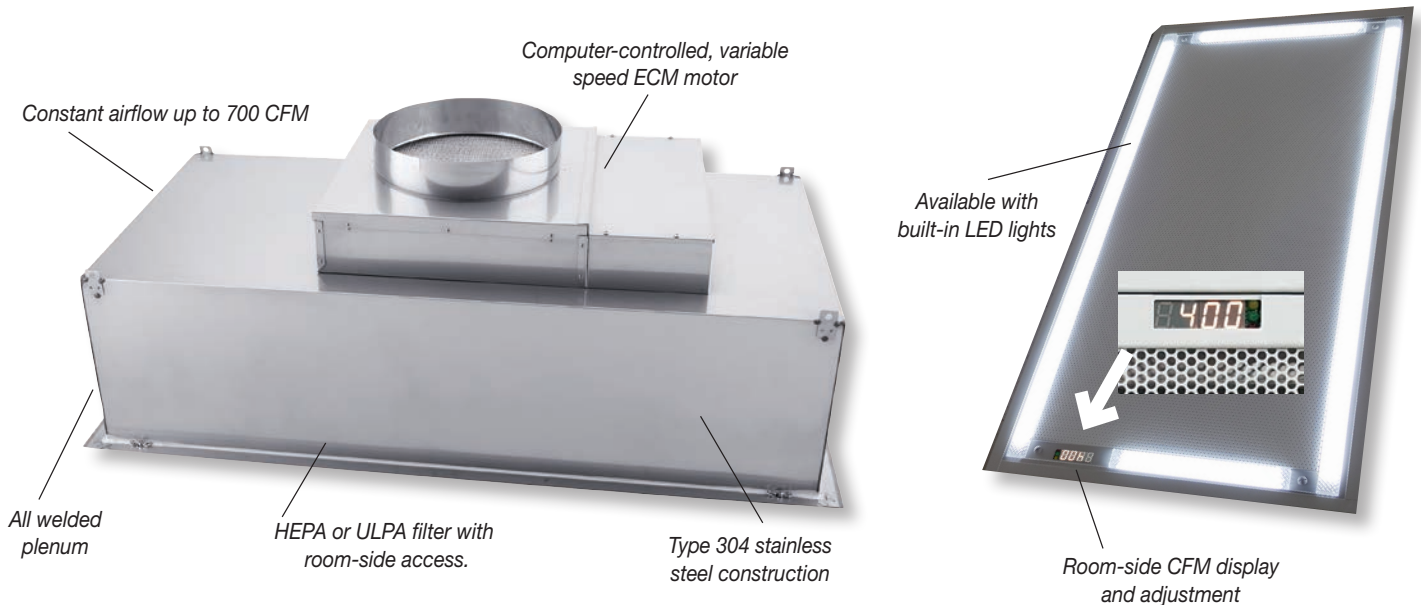
Proven, reliable performance – customized to meet your exact needs and specifications.

Criti-Clean is a fan powered laminar flow HEPA/ULPA filter diffuser with a successful track record in a wide range of critical environments. Combining proven vertical air mass laminar flow technology with the latest ECM fan motor capabilities, the Criti-Clean FFU produces a non-aspirating, low velocity, uniformly distributed downward moving “piston” of filtered air.

With unmatched standard features and a wide range of valuable options, the Criti-Clean will meet virtually any critical environment need. Plus, because the unit provides its own constant airflow, it allows unequalled flexibility in designing clean environments in buildings where existing HVAC systems would typically cause constraints.

Specialty Criti-Clean FFU Models Available:

- Reverse flow units
- Recirculating units
- Heating and/or cooling units
- All models available with built-in LED lights



Criti-Clean FFU Performance Data – 2" Filter Class @ 120 Volts

Size [in.]	Operating Range [fpm]	Max. Airflow [cfm]	Min. Airflow [cfm]	Airflow @ 90 fpm [cfm]	Initial Resistance @ 90 fpm [in. - w.g.]	Weight [lbs.]	Sound @ 90 fpm [dBA]
24 x 24	50-160	310	100	176	0.45	60	50
36 x 24	45-170	575	160	303	0.45	70	47
48 x 24	25-145	685	120	429	0.45	90	51

CRITI-CLEAN KEY ADVANTAGES:

- Type 304 stainless steel construction with all welded plenum, built to meet the latest pressure testing standards.
- Higher CFM output than competitive models, providing constant air volume of 250-700 CFM over a wide range of static pressures.
- Computer controlled, variable speed ECM motor with internal microcomputer that provides low energy consumption, high performance and long motor life.
- Accommodates HEPA or ULPA filters, with separatorless 2" (51mm) deep media, integral test port and anodized aluminum gel seal frame.
- Provides constant airflow, compensating for changes in static pressure, filter loading and more, greatly reducing the need for future balancing.
- Meets Institute of Environmental Sciences and Technology (IEST) recommended practices for clean room airflow velocities.
- Room-side digital CFM display and control offers instant visual verification, and can be set or adjusted in seconds.
- Room-side access to HEPA or ULPA filter and pre-filter.
- Wide range of customizable controls available, with the ability to map and simultaneously control up to 800 linked units.
- Available with built-in white or green surgical grade LED lights.
- Sizes: 48" x 24", 36" x 24" and 24" x 24".
- Voltages: 120, 208, 240 and 277.



The Criti-Clean FFU is ideal for hospital operating rooms, as well as pharmaceutical, biotechnology, microelectronic and other applications.



Our all welded plenum — the only one of its kind — is designed to meet today's stringent pressure testing requirements.

ADDITIONAL FEATURES:

- Removable faceplate for cleaning, secured by 1/4 turn fasteners
- Safety cables that help prevent accidental dropping of removable face
- Perforated face with 3/32" (2.4mm) diameter holes on 60° 1/4" (6mm) staggered centers
- 51% free area
- Integral earthquake hanger tabs
- Round duct inlets for simple duct connection (rectangular and oval duct connections also available)
- Designed for both lay-in t-bar ceiling systems and surface mount applications
- Clear anodized extruded aluminum filter frame with test port to measure filter pressure drop leakage (scan) tests
- Filters packed separately from diffuser for final installation in field (by others)
- #4 satin polished finish

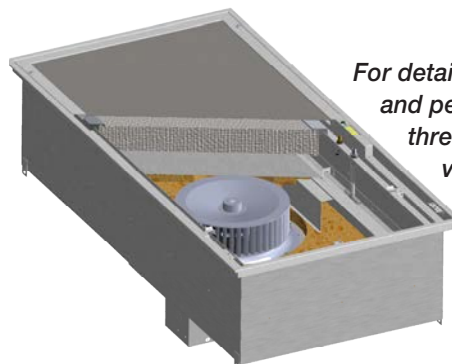
OPTIONAL FEATURES:

- PAO injection port and dispersion manifold
- Dirty filter indicator light



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For detailed submittal drawings and performance data on all three Criti-Clean unit sizes, visit www.ajmfg.com.