

Criti-Clean Ultra FFU

Critical Thinking for Your
Critical Environment

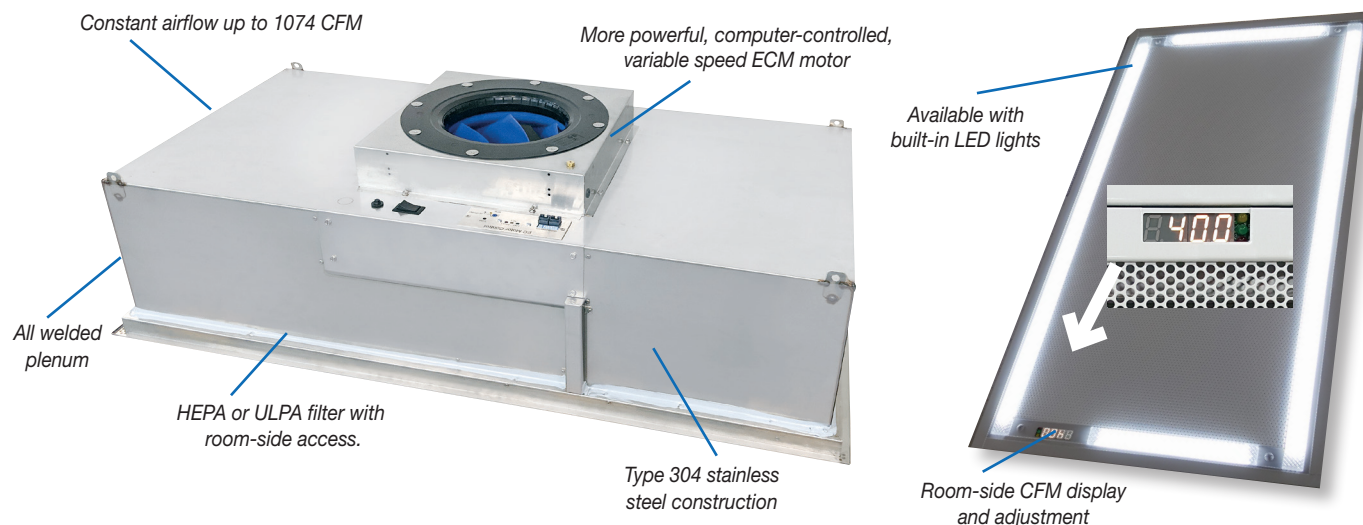
PROVEN, INDUSTRY LEADING PERFORMANCE – NOW WITH HIGH CAPACITY OUTPUT UP TO 1074 CFM.

AJ Manufacturing has completely re-designed and re-engineered the industry's leading fan powered laminar flow HEPA filter diffuser to maximize both CFM and energy efficiency. The new Criti-Clean Ultra features:

- The highest CFM output on the market (up to 1074 CFM for the 48"x24" model)
- Greater energy efficiency (only 42 watts at 90 FPM velocity/450 CFM)
- Significantly quieter operation (only 45 DBA at 90 FPM, 58 DBA at 1100 CFM)

Criti-Clean Ultra still offers you all the same great features, plus a wide range of valuable options, to meet virtually any critical environment need, allowing unequalled flexibility in designing clean environments, especially in buildings where existing HVAC systems would typically cause constraints.

50% HIGHER OUTPUT, BETTER ENERGY EFFICIENCY, PLUS ALL THESE GREAT FEATURES:



PRELIMINARY AIRFLOW TESTING (48" x 24" UNIT WITH 4.84 SQ. FT. ACTIVE FILTER AREA)

SETPPOINT	With Standard 2" HEPA Filter @ 118 VAC				With High Flow 3.5" HEPA Filter @ 118 VAC			
	CFM	FT/MIN	AMPS	WATTS	CFM	FT/MIN	AMPS	WATTS
100	1177	243	2.19	259	1074	222	2.18	257
90	1020	211	1.61	190	917	189	1.57	185
80	860	178	1.14	135	760	157	1.14	134
70	707	146	0.75	88	608	126	0.73	86
60	550	114	0.48	57	450	93	0.47	55
50	392	81	0.28	33	312	64	0.28	33
40	254	52	0.17	20	200	41	0.17	20
30	148	31	0.10	12	114	24	0.11	13
20	67	14	0.07	8	51	11	0.08	9
10	0	0	0.00	0	0	0	0.00	0



The Crite-Clean Ultra 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.

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 up to 1074 CFM over a wide range of static pressures.
- Computer controlled, variable speed ECM motor with internal microcomputer that provides low energy consumption, higher performance than competitive models 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 2000 linked units.
- Available with built-in white or green surgical grade LED lights.
- Sizes: 48"x24", 36"x24" and 24"x24".
- Voltages: 120, 208, 240 and 277.

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:

- Room-side access to ECM motor/electronics
- Mobile device compatible control panel with remote operation app
- PAO injection port and dispersion manifold
- Dirty filter indicator light



Critical Thinking for Your Critical Environment
8701 Elmwood Ave. #400 • Kansas City, MO 64132
(816) 231-5522 • www.ajmfg.com

Specialty Crite-Clean FFU Models Available:

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