



## Fan Filter Units, Lights & Tiles

Full line of ceiling components for 2'x4' ceiling grid configurations

Fan Filter Units available as either HEPA (High Efficiency Particulate Arresting) or ULPA (Ultra Low Penetration Air)

Drop-in, flow-through and teardrop lighting available to meet your specific needs

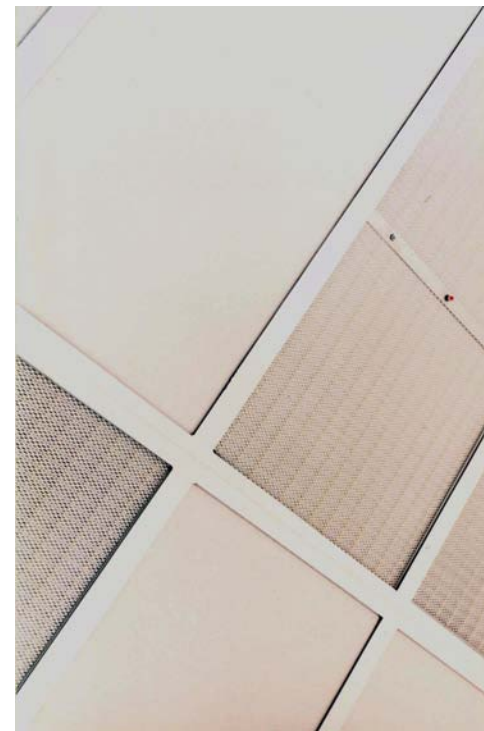
Ceiling tiles are factory sealed on all sides to virtually eliminate particle emission

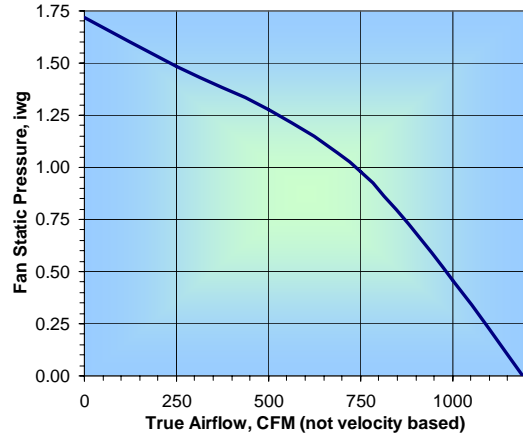
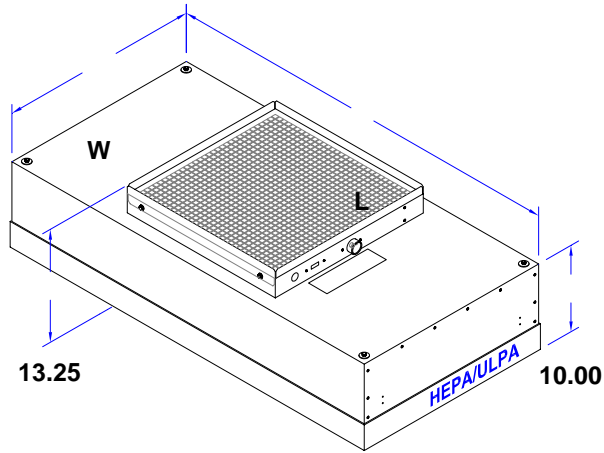
Other components available for custom applications

**HIGH QUALITY** Servicor has hand-selected our current line of standard components based upon criteria including features, performance, value, dependability and manufacturer. The result is a ceiling packed with components as outstanding as the Servicor grid they rest upon. The crucial specifications on each of these units is included on the back of this page for your convenience.

**DIVERSE APPLICATIONS** Servicor's versatile line-up of standard components accommodates most requirements. All drop-in components can easily be rearranged or replaced to meet your changing needs. For full-coverage and laminar flow applications, we offer a teardrop lighting system which mounts underneath the ceiling along the grid, or flow-through fixtures on which the Fan Filter Units are securely mounted. All components are cleanroom safe, and won't contaminate your critical processes.

**CUSTOMER SERVICE** During our 25 years in the industry, Servicor has earned the reputation for excellent customer service. If you need more information on a product we offer, or are having any problems, we will be happy to help. Contact us and we'll make sure you get the best information and assistance possible.





Part number	FFU size nominal (actual filter size)	Filter Efficiency	Voltage	Sound Package
290-10-005	2x4' (23.63x47.63")	HEPA 99.99% 0.3 microns	115VAC	No
290-10-006	2x2' (23.63x23.63")	HEPA 99.99% 0.3 microns	115VAC	No
290-10-007	2x4' (23.63x47.63")	HEPA 99.99% 0.3 microns	115VAC	Yes
290-10-008	2x2' (23.63x23.63")	HEPA 99.99% 0.3 microns	115VAC	Yes
290-10-009	2x4' (23.63x47.63")	HEPA 99.99% 0.3 microns	277VAC	Yes
290-10-010	2x2' (23.63x23.63")	HEPA 99.99% 0.3 microns	277VAC	Yes
290-10-015	2x4' (23.63x47.63")	HEPA 99.99% 0.3 microns	277VAC	No
290-10-011	2x4' (23.63x47.63")	ULPA 99.9995% 0.12 microns	115VAC	Yes
290-10-012	2x2' (23.63x23.63")	ULPA 99.9995% 0.12 microns	115VAC	Yes
290-10-013	2x4' (23.63x47.63")	ULPA 99.9995% 0.12 microns	277VAC	Yes
290-10-014	2x2' (23.63x23.63")	ULPA 99.9995% 0.12 microns	277VAC	Yes

Part number	Accessory
29-50100	Inlet duct adaptor 10" collar
29-50120	Inlet duct adaptor 12" collar

Voltage	Max W	Full Speed Max Amps	Unit Label FLA
115VAC	200	1.8	2.25
277VAC	190	0.9	1.25

Sound package	Velocity, FPM	SP, iwg	Single Unit Sound Power Levels, dB re 1 pico Watt							
			63	125	250	500	1K	2K	4K	LwA
No	90	0.5	58	70	61	57	59	53	42	62
No	90	1.1	62	76	65	62	62	60	52	67
Yes	90	0.5	53	60	60	50	49	45	43	56
Yes	90	1.1	56	73	65	56	53	48	44	62

#### FFU Specification [Optional items]

Fan housing shall be powder-coated steel or galvalume. [Unit shall incorporate a sound baffle with sound absorbent insulation.] Unit shall carry an ETL listing per UL 1995.

The nominal 2x4 foot FFU shall be capable of producing a minimum of 720 cfm of true airflow (not a velocity based reading) at 1 iwg of fan static pressure. The fan shall consist of an integrated motor and centrifugal plug fan. The impeller shall have single-sided suction with backward-curved blades made of aluminum and be mounted directly to the rotor of the motor. Motor shall be single phase external rotor motor with permanently lubricated ball bearings. The fan assembly shall be statically and dynamically balanced as per ISO 1940, class G 6.3. Housing shall incorporate a finger guard on the inlet side of the fan that requires tooled removal.

Provide a triac type manual speed controller and on/off switch located on the top of the FFU housing. Power input to the unit shall be 115VAC [277VAC] 60 Hz. Provide a 6 foot flexible cord with plug for 115VAC units. [277VAC units will need to be wired in the field by a licensed electrician.]

Provide a 1" thick 20"x20" 30% pre-filter mounted on top of the unit. Provide a plenum style final filter with a 2 inch pack depth with an anodized extruded aluminum frame. HEPA filter shall have a minimum DOP efficiency of 99.99% @ 0.3 microns. [ULPA filter shall have a minimum DOP efficiency of 99.9995% @ 0.12 microns.] The filter shall have a flat bottom face for seating onto gasketed grid. The final filter shall have a coated metal screen on the downstream face to protect the filter. The fan housing shall sit directly on the final filter with a gasket seal between.