

PRODUCT DATA SHEET**■ MAC 10® LEAC2 Fan Filter Introduction****Extra Low Watts, Low Profile**

The MAC 10® LEAC2 fan filter unit (FFU) is the first with low watts, low profile, and high airflow. The MAC 10® LEAC2 provides one of the lower power consumption levels of any FFU in the industry. The unit uses less energy than traditional fan filter units which reduces operating costs. The nominal 2' x 4' FFU runs at only 193 watts at 90 FPM. The standard model achieves this low energy usage while maintaining a low profile. The unit measures less than 13" (318 mm) tall.

**High Performance and Innovation**

The MAC 10® LEAC2 FFU uses a combination of backward-inclined motorized impeller, solid-state speed control, and ENVIRCO's unique baffling system to make it energy-efficient, provide high performance and long motor life. The MAC 10® LEAC2 can deliver uniform airflow over a wide range of CFM and accommodate high external static pressure and filter loading.

Typical Applications

The MAC 10® LEAC2 are primarily used in critical environments requiring clean air solutions. These include clean-rooms, pharmaceutical compounding, semiconductor and microelectronic manufacturing, and healthcare facilities.

Multiple Housing Styles

The MAC 10® LEAC2 comes in two different style configurations to fit the needs of the clean space.

STD - Standard Filter: filter replaced from above ceiling

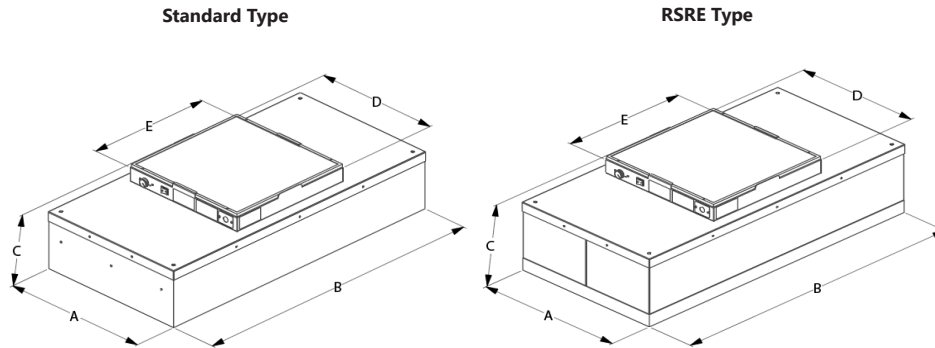
RSRE - Roomside Removable Motor and Filter: filter and motor replaced from below ceiling

■ Standard Features

- Solid-state Speed Control
- Integrated Motorized Backward-inclined impeller
- HEPA filter: 99.99% efficient @ 0.3 micron, 53mm pleat depth
- Mill finished aluminum exterior
- Walkable plenum (excluding prefilter), rated to 250 lbs.
- Washable MERV 4 pre-filter
- Roomside 3/8" challenge ports for convenient HEPA filter testing (excluding STD)
- Available in 2x2, 2x3, and 2x4 sizes
- UL listed (115V, 277V) with standard UL 900 filter, file number E152685 (UL507)
- Manufactured to IEST recommended practices

■ Optional Features

- Ducted inlet connection (shipped loose)
 - 8" (203 mm)
 - 10" (254 mm)
 - 12" (305 mm)
 - 14" (356 mm)
- Powder coat white paint or stainless steel housing
- Filter Efficiencies: HEPA 99.995% or ULPA 99.9995% at MPPS
- Other filter options: PTFE, Energuard, 70mm
- 3/4" knife edge: permits easy placement in gel track ceiling grid system (available on RSRE units only)
- Quarter turn latch screen
- Indicator light feedback: Unit running and/or filter change indicator
- Continuous filter pressure monitoring
- Remote Speed Control option
- Network Control Card option
 - MODBUS RTU
 - Analog speed control
- MERV 8 pre-filter available (shipped loose)
- Surface mount adapters available (shipped loose)
- 1" Insulation option
- Custom sizes available

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MAC 10® LEAC2 Dimensions & Performance


Nominal Unit Size	Active Filter Face Area (Sq. Ft.)	Min. CFM	Max. CFM	Watts @ Max. CFM	dBa @ Max CFM	CFM @ 90 FPM	Watts @ 90 FPM	Sound dBA @ 90 FPM	Unit Weight	Dimensions AxBxCxDxE (mm)
2x4 LEAC2 Standard	7.2	200	725	193	73	650	191	70	50	23.63" x 47.63" x 12.38" x 20" x 20" (600 x 1210 x 318 x 508 x 508)
2x3 LEAC2 Standard	5.3	185	690	190	72	470	185	65	42	23.63" x 35.63" x 12.38" x 20" x 20" (600 x 905 x 318 x 508 x 508)
2x2 LEAC2 Standard	3.5	140	615	194	71	315	166	61	35	23.63" x 23.63" x 12.38" x 20" x 20" (600 x 600 x 318 x 508 x 508)
2x4 LEAC2 RSRE	5.3	180	710	193	70	470	187	61	61	23.63" x 47.63" x 14.61" x 20" x 20" (600 x 1210 x 371 x 508 x 508)
2x3 LEAC2 RSRE	3.8	150	620	193	70	340	171	59	53	23.63" x 35.63" x 14.61" x 20" x 20" (600 x 905 x 371 x 508 x 508)
2x2 LEAC2 RSRE	2.3	115	490	191	67	210	148	57	42	23.63" x 23.63" x 14.61" x 20" x 20" (600 x 600 x 371 x 508 x 508)

* Do not operate 2x2 units above 400 SCFM. Damage to the filter and/or particle bleed-through can occur.

Notes:

Performance tested in accordance with the (ANSI/AMCA 210-07), (ANSI/ASHRAE 51-07) test standards for Certified Aerodynamic Performance Rating. Max CFM rating based on free air volumes @ high speed motor setting. 90 fpm values based on active filter face area. BTU = Watts x 3.413

MAC 10® LEAC2 Electrical Info:

MAC 10® LEAC2 115V 60HZ 1 Phase = 1.8 F.L.A., 277V 60 HZ 1 Phase = 0.80 F.L.A.

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