

SAM[®] MicroSound CRF

HEPA Filters Replaceable From Roomside. Energy Efficient Motors.

SAM MicroSound units include a 99.99% efficient HEPA filter, pre-filter, seismic clip suspension points, solid state variable speed control with RFI suppression and a safety switch.

The standard 2' x 4' models are designed to fit a nominal 2' x 4' ceiling grid with a 22.5" x 46.5" opening.

Housings are fabricated from steel with a white powdercoat finish.

The energy efficient blower is a low watt backward curved impeller, single phase, permanent split capacitor type motor blower assembly with thermal overload protection. Units are available in 115 Volt (60 Hz), 208-230 Volt (50/60 Hz) and 277 (60 Hz).

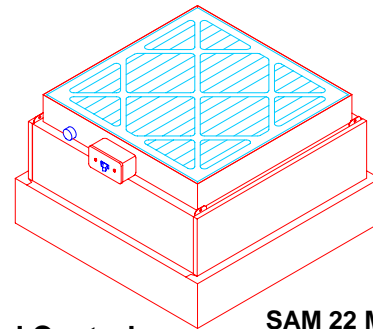
HEPA or ULPA 99.9995% eff. @ 0.12 micron final filters are protected with a white epoxy diamond pattern grille and are tested according to accepted procedures as described by the Institute of Environmental Sciences (IEST) and or ISO standards.

Filter options include gasket style ULPA 99.9995% or PTPE 99.99995% efficiencies and gel seal style HEPA or ULPA grade filters.

A polystyrene eggcrate grille in an anodized aluminum frame is hinged to open, permitting removal of the filter without removing the unit from the ceiling. Optional perforated stainless steel or aluminum grilles are available.

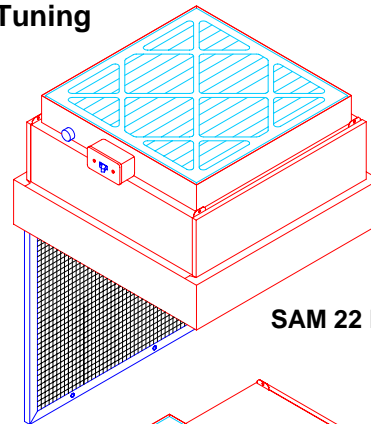
Additional options and accessories are shown in the back of this section.

Consult with one of our cleanroom experts in your area, or call the factory for more information.

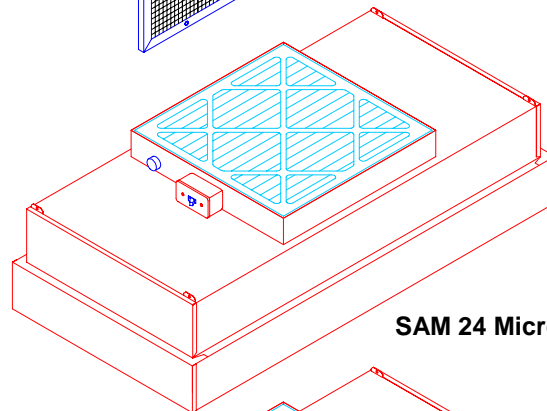


SAM 22 MicroSound CRF

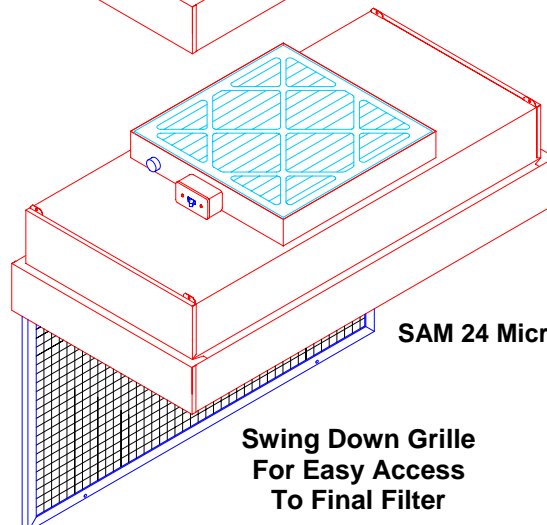
Variable Speed Control
For Fine Tuning



SAM 22 MicroSound CRF



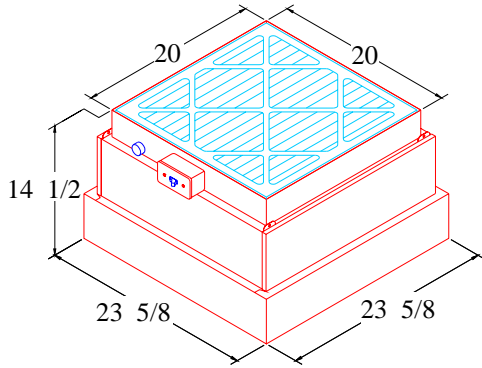
SAM 24 MicroSound CRF



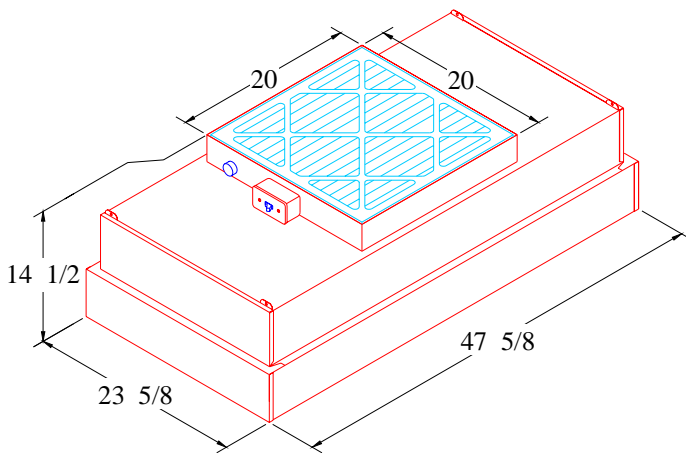
SAM 24 MicroSound CRF

Swing Down Grille
For Easy Access
To Final Filter

SAM is a registered trademark owned by Clean Rooms International



SAM 22 MicroSound CRF



SAM 24 MicroSound CRF

CRF Style Filter Data: The HEPA Filter is designed for 90 FPM average face velocity @ initial 0.47 w.g. and has a rated efficiency of 99.99% @ 0.3 micron or larger.

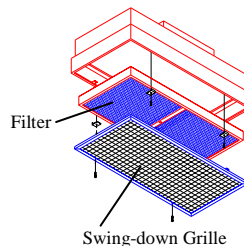
An anodized aluminum frame holds the 53mm media which is protected by a diamond pattern white epoxy coated steel grille. Final filters are replaceable from roomside.

Filter Dimensions: The HEPA and ULPA filters are 20-5/8" x 20-5/8" x 3" for SAM 22 units and are 20-5/8" x 44-5/8" x 3" for SAM 24 units.

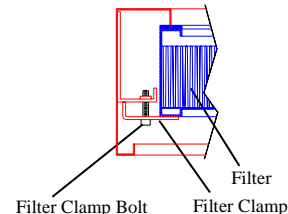
Access Port: This port is located in the center of the filter element face and is used for introducing an upstream challenge or measuring static pressure.

Standard Equipment: Includes a N310 Low Watt motor, a prefilter and a solid state variable speed control with RFI Suppression. A safety switch is provided for all voltages as listed below.

Options: ULPA Filter, Power Cord, Duct Collar Adaptors. More options are shown in the back of this section.



Exploded View



Filter Clamp Detail

Consult with Factory for Horizontal Applications

Ordering Information

Mfg. Code	Model or Description	Size	Motor	Voltage	Hz	Watts	Running Amps	FLA	Weight
12120	SAM 22 MS CRF	2 x 2	N310	115	60	185	1.7	4.0	65 lbs. (29.5 kg.)
12121	SAM 22 MS CRF	2 x 2	N310	208-230	50/60	170	1.0	1.9	65 lbs. (29.5 kg.)
12122	SAM 22 MS CRF	2 x 2	N310	277	60	165	.6	1.3	65 lbs. (29.5 kg.)
12264	SAM 24 MS CRF	2 x 4	N310	115	60	185	1.7	4.0	78 lbs. (35.4 kg.)
12265	SAM 24 MS CRF	2 x 4	N310	208-230	50/60	170	1.0	1.9	78 lbs. (35.4 kg.)
12266	SAM 24 MS CRF	2 x 4	N310	277	60	165	.6	1.3	78 lbs. (35.4 kg.)
302020	2x2 CRF Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron								
302021	2x2 CRF Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron								
302030	2x4 CRF Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron								
302040	2x4 CRF Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron								
302201	2x2 Gel Seal Style HEPA Filter, 99.99% eff. @ 0.3 micron								
302204	2x2 Gel Seal Style ULPA Filter, 99.9995% eff. @ 0.12 micron								
302200	2x4 Gel Seal Style HEPA Filter, 99.99% eff. @ 0.3 micron								
302203	2x4 Gel Seal Style ULPA Filter, 99.9995% eff. @ 0.12 micron								
302190	Prefilter 30% ASHRAE efficient, pleated type								

Specification Sheets are available upon request