

Undersized SAM[®] 24 MicroSound

SAM 24 MicroSound Undersized Series Fan Filter Units are designed for ceiling T-Bar openings of 22"x 46". Actual size of the units is 23-1/8"x 47-1/8".

All standard SAM Fan Filter Units include a 99.99% efficient HEPA filter, prefilter, seismic clip suspension points and solid state variable speed control with RFI suppression. Housings are fabricated from 20 gauge steel with white powdercoat finish.

The blower is a 115 volt low watt AC backward curved impeller, 60 hz, single phase, permanent split capacitor type motor blower assembly with thermal overload protection. Other motor and voltage options are 208-230 (50/60 hz) and 277 (60 hz).

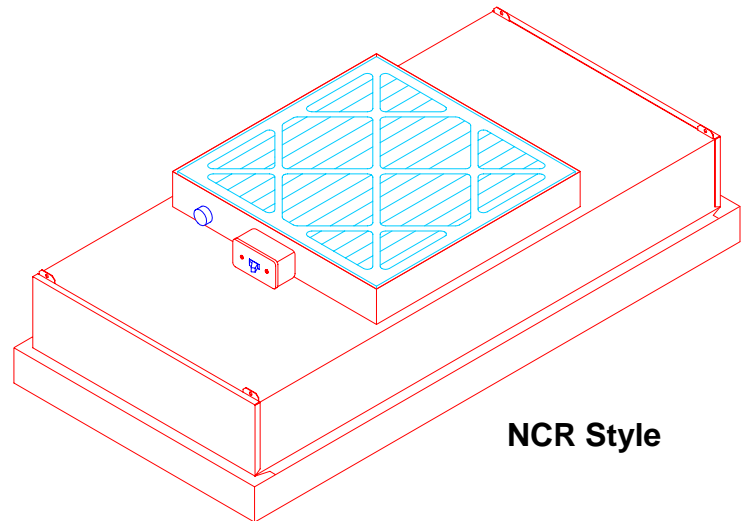
NCR Style final filters are protected with a white epoxy diamond pattern grille on the downstream side.

CRF Style Fan Filter Units feature a HEPA or ULPA filter replaceable from roomside.

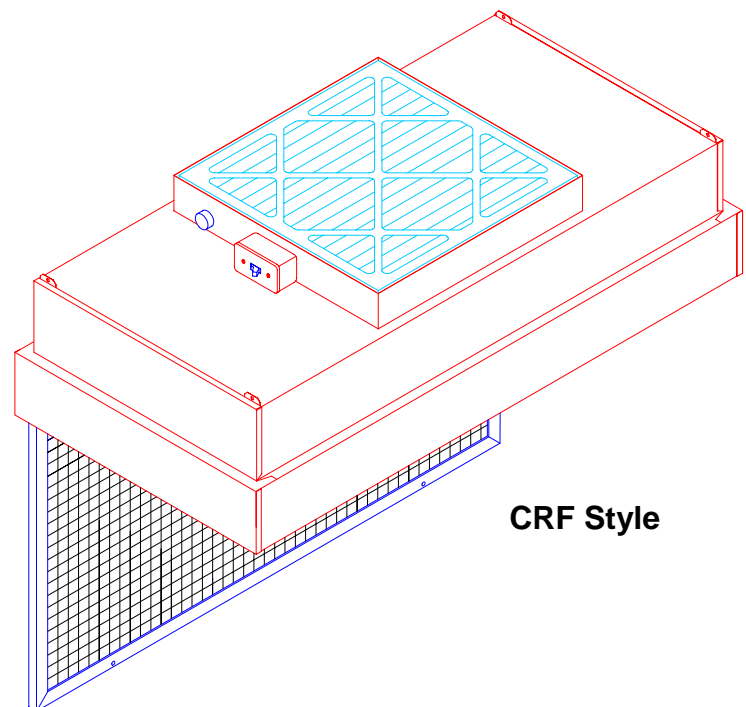
A polystyrene eggcrate grille in an anodized aluminum frame is hinged to open, permitting removal of the HEPA or ULPA filter without removing the unit from the ceiling.

All final filters are tested according to accepted procedures as described by the Institute of Environmental Sciences (IEST) and/or ISO standards.

Consult with the factory for estimated lead times.



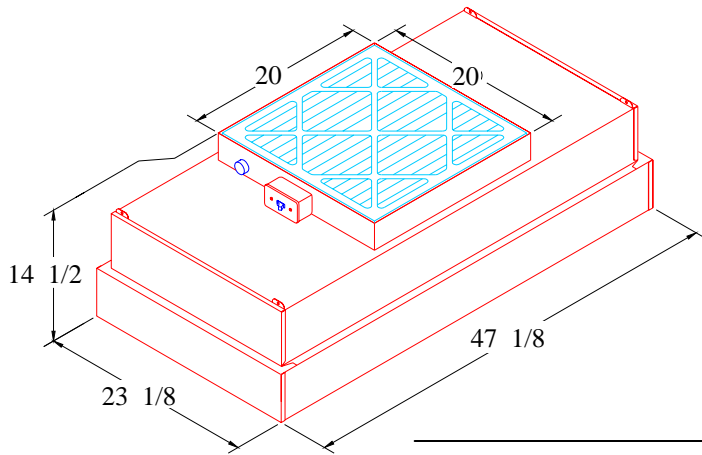
NCR Style



CRF Style

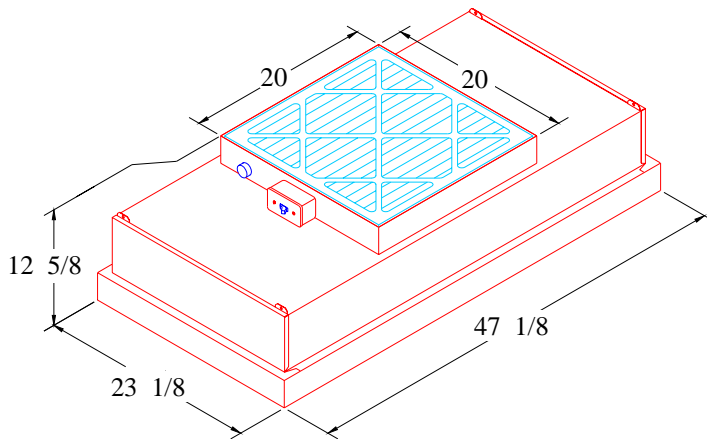
**Swing Down Grille For
Easy Access To Final Filter**

Undersized SAM 24 MS CRF Style



CRF Filter Data: Size: 20-5/8" x 44-5/8" x 3" with exposed anodized aluminum frame and diamond pattern white epoxy face screen. The HEPA 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 access port with removable plug is located in the center of the filter element face for introducing an upstream challenge or measuring static pressure.

Undersized SAM 24 MS NCR Style



NCR Style Filter Data: Size: 23-1/8" x 47-1/8" x 3" with exposed anodized aluminum frame and diamond pattern white epoxy face screen. The HEPA 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.

Actual Sizes

2 x 4 NCR Style 23-1/8" x 47-1/8" x 12-5/8" 2 x 4 CRF Style 23-1/8" x 47-1/8" x 14-1/2"

Ordering Information

Mfg. Code	Model or Description	Size	Motor	Voltage	Hz	Watts	Weight
NCR Style:							
12240	SAM 24 MS (Undersized)	2 x 4	310	115	60	185	73 lbs. (33 kg.)
12241	SAM 24 MS (Undersized)	2 x 4	310	208-230	50/60	170	73 lbs. (33 kg.)
12242	SAM 24 MS (Undersized)	2 x 4	310	277	60	165	73 lbs. (33 kg.)
CRF Style:							
12243	SAM 24 MS CRF (Undersized)	2 x 4	310	115	60	185	87 lbs. (40 kg.)
12244	SAM 24 MS CRF (Undersized)	2 x 4	310	208-230	50/60	170	87 lbs. (40 kg.)
12246	SAM 24 MS CRF (Undersized)	2 x 4	310	277	60	165	87 lbs. (40 kg.)
302018	NCR Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron						
302019	NCR Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron						
302030	CRF Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron						
302040	CRF Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron						
302190	Prefilter 30% ASHRAE efficient, pleated type						

NOTE: Consult with the factory for horizontal flow applications

Specification Sheets are available upon request