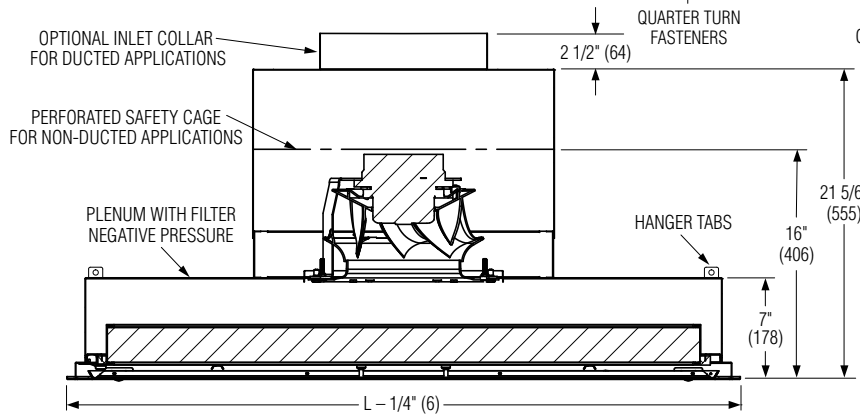
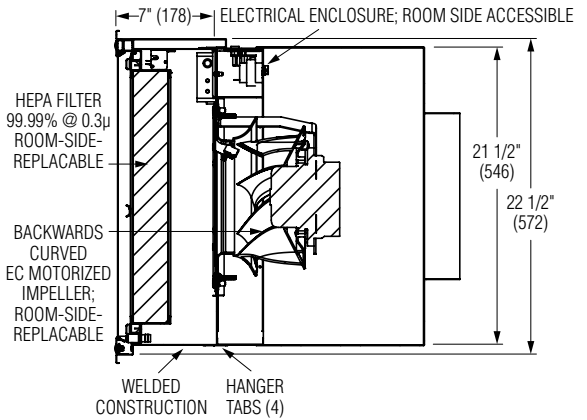
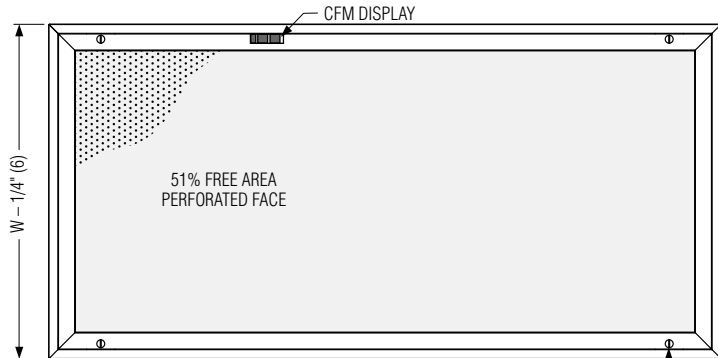
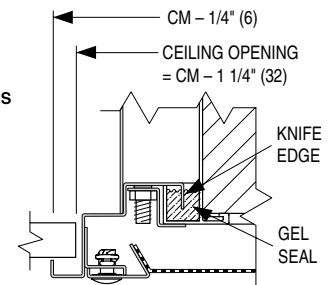




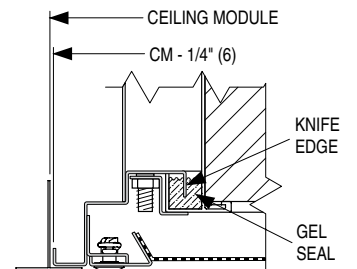
**REVERSE FLOW FAN FILTER UNIT**  
**CRITICAL ENVIRONMENT APPLICATIONS • HIGH CAPACITY • STAINLESS STEEL • ECM • HEPA/ULPA FILTER**  
**MODEL: 92FFU-RF-SS**



**TYPE S Surface Mount Detail**



**TYPE L Lay-in T-Bar Detail**

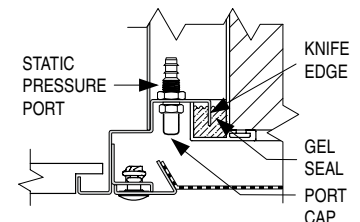


\* COMPATIBLE WITH T-BARS UP TO 1 1/2" (38) WIDE

(Standard) 1 1/2" (38) wide.

L20 (Optional) 2" (51) wide.

**SPP Standard**



Finish:

- AW Appliance White.
- #4 Brushed Satin Polished finish.

Ceiling Module Size	Outlet Size
24 x 24 (600 x 600)	<b>Standard (Ductless):</b> 21 1/2 x 21 1/2 (546 x 546)
48 x 24 (1200 x 600)	<b>Optional (Ducted):</b> 10, 12, 14 (254, 305, 356)

**STANDARD FEATURES:**

1. 304 Stainless steel frame and perforated face with 3/16" (5) dia. holes on 60° 1/4" (6) staggered centers (51% free area). The face plate is removable for cleaning, filter replacement and is secured by 1/4 turn fasteners.
2. 304 Stainless Steel fully welded plenum.
3. Heavy duty hanger brackets.
4. LED fan operation indicator (on during normal operation).
5. Room side Accessible Motor and controls.
6. Two Stainless Steel safety cables to prevent accidental dropping of removable face.
7. High Efficiency ECM for precise constant airflow and field balancing. Available: 120V/1PH/60Hz, 208V/1PH/60Hz, 240V/1PH/60Hz and 277V/1PH/60Hz.
8. Face adjustable airflow control.
9. Face accessible SPP.
10. Standard HEPA filter (99.99% on 0.3 μm).
11. QF Toggle disconnect switch.

**EC Motor program:**

- CF Constant Flow
- CT Constant Torque

**OPTIONS:**

- HEH High capacity HEPA filter.
- UL Standard ULPA filter (99.9995% on 0.12 μm).
- ULH High capacity ULPA filter.
- FBO Filter by others.
- PFM8 MERV 8 pre-filter.
- LFI Loaded filter indicator.
- 10" (254) or  12" (305) or  14" (356) Duct collar.

**DESCRIPTION:**

Nailor 92FFU-RF Reverse Flow Fan Filter units have been designed to create a negative pressure environment and pull contaminants from the desired area. These units are intended to be used in modular cleanrooms, cleanroom garmenting rooms, healthcare contamination control, cleanroom workstations, clean workbench enclosures, and associated air hoods.

ECM technology provides an ultra-energy efficient design with the ability to precisely set a constant air volume. As filter loading increases fan external static pressure, the ECM will compensate to maintain set airflow. Filters are secured within the plenum against a continuous knife edge that contacts the gel channel of the filter, providing a leak proof seal. Filters are protected by a perforated face, room-side-removable via quarter-turn fasteners.

**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

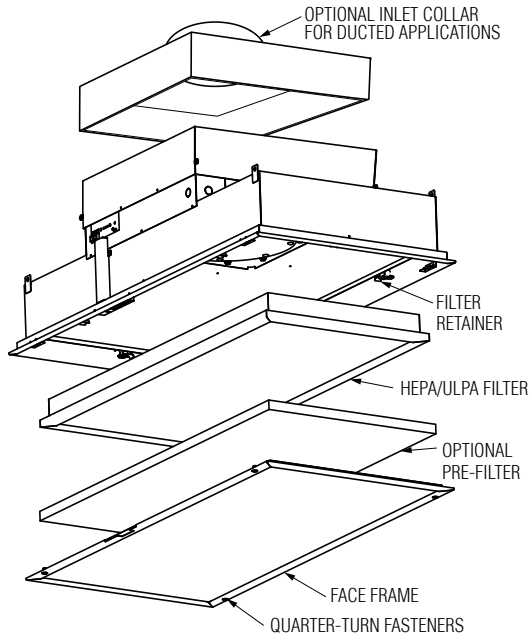
**CONTRACTOR:**

Page 1 of 2  
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
4 - 1 - 20	9200	NEW	92FFU-RF-SS



**REVERSE FLOW FAN FILTER UNIT**  
 CRITICAL ENVIRONMENT APPLICATIONS • HIGH CAPACITY • STAINLESS STEEL • ECM • HEPA/ULPA FILTER  
**MODEL: 92FFU-RF-SS**



**PERFORMANCE DATA FOR NON-DUCTED UNITS:**  
**24 x 24 High Flow Filter, at 0 Static, 120 VAC:**

Set Point %	CFM	CFM/Sq. ft. Velocity (calc.)	Watts
100%	505	192	192
90%	428	163	148
80%	355	135	101
70%	278	106	69
60%	205	78	50
50%	138	52	33
40%	85	32	22
30%	40	15	15
20%	15	6	11

**48 x 24 High Flow Filter, at 0 Static, 120 VAC:**

Set Point %	CFM	CFM/Sq. ft. Velocity (calc.)	Watts
100%	930	179	237
90%	806	155	174
80%	672	129	120
70%	545	105	81
60%	415	80	50
50%	292	56	32
40%	183	35	17
30%	104	20	12
20%	34	7	8

**PERFORMANCE DATA FOR DUCTED UNITS WITH 12" OUTLET:**  
**48 x 24 x 12 RD, High Flow Filter, at 0 Static, 120 VAC:**

Set Point %	CFM	CFM/Sq. ft. Velocity (calc.)	Watts
100%	785	151	218
90%	687	132	164
80%	563	108	110
70%	454	87	76
60%	350	67	46
50%	272	52	30
40%	174	33	17
30%	98	19	12
20%	34	7	8

**48 x 24 High Flow Filter, at 0 Static, 208 - 277 VAC:**

Set Point %	CFM	CFM/Sq. ft. Velocity (calc.)	Watts
100%	1125	216	365
90%	1004	193	274
80%	848	163	195
70%	708	136	127
60%	545	105	81
50%	395	76	48
40%	260	50	26
30%	141	27	14
20%	56	11	8

**48 x 24 x 12 RD, High Flow Filter, at 0 Static, 208 - 277 VAC:**

Set Point %	CFM	CFM/Sq. ft. Velocity (calc.)	Watts
100%	950	183	345
90%	850	163	262
80%	729	140	184
70%	590	113	122
60%	454	87	76
50%	334	64	43
40%	237	46	25
30%	134	26	14
20%	55	11	8

**NOTES:**

1. Tests performed with high-flow HEPA filter; no pre-filter.

**HEPA FILTER AIRFLOW RATING:**

Size	Type	Max. Rated Airflow CFM
24 x 24	Standard	375
	High Flow	500
48 x 24	Standard	900
	High Flow	1200

<b>SCHEDULE TYPE:</b>	Page 2 of 2 Dimensions are in inches (mm).			
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	4 - 1 - 20	9200	NEW	92FFU-RF-SS