
DESCRIPTION:

Nailor 92FFDM-SS Recirculation Fan Filter Mobile Units have been designed to improve air quality by removing contaminants and germs from the air in the conditioned spaces. These units continuously circulate the air through HEPA/ULPA filter and optional UV light. The units are intended for use in office spaces, classrooms, retirement communities, restaurants and dental offices. This portable version fan filter unit plugs into a standard electrical wall outlet and can be placed anywhere in the room.

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.

STANDARD FEATURES:

- 304 Stainless Steel fully welded cabinet. The perforated supply grille face plate is removable for cleaning, filter replacement and is secured by 1/4 turn fasteners.
- LED fan operation indicator (on during normal operation).
- MERV 8 pre-filter
- HEPA filter with gel seal (99.99% on 0.3 µm).
- Face adjustable airflow control.
- High Efficiency ECM for precise constant airflow and field balancing. 120V/1PH/60Hz.
- Backward curved composite impeller.
- Toggle disconnect switch.
- Loaded filter indicator.
- Stainless Steel push/pull handles.
- 4 Swivel Casters - (2) with Brakes.
- 10 Ft. Hospital Grade Cord with Plug.
- #4 Brushed Satin Polished finish.

EC Motor program:

- CF Constant Flow (with Airflow Sensor).
- CT Constant Torque.

OPTIONS:

- HEH High capacity HEPA filter.
- UL ULPA filter (99.9995% on 0.12 µm).
- ULH High capacity ULPA filter.
- SPP Face accessible Static Pressure Port.
- High output antimicrobial UVC light. (Includes a Safety Interlock Switch - Cuts UVC light when grille face is opened).
- Auto-cleaning Ionization System. (Model GPS-FC24-AC) (Not FDA or CDC approved)

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

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 Dimensions are in inches (mm).

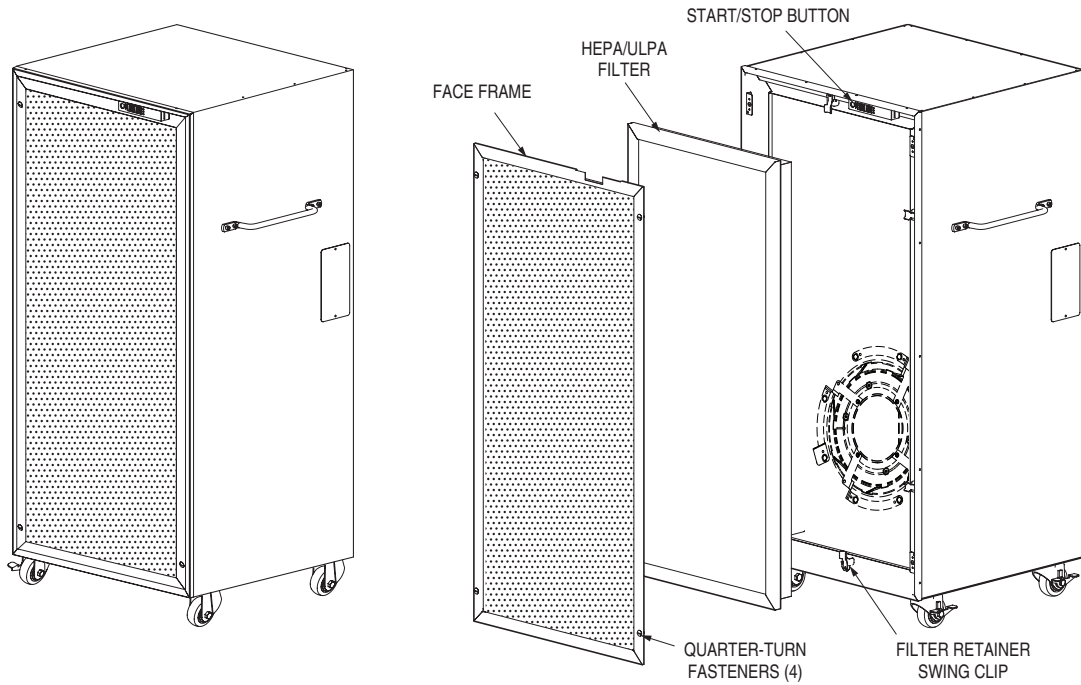
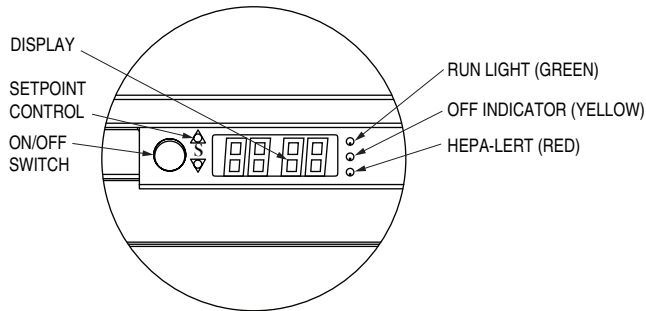
DATE
B SERIES
SUPERSEDES
DRAWING NO.

9 - 25 - 20

9200

NEW

92FFDM-SS


LED VISUAL AIRFLOW DISPLAY

FILTER DATA

SIZE	TYPE	FLOW	FILTER SIZE W x H x D	RATED CFM
48 x 24	HEPA	High	43 1/2 x 19 1/2 x 3 1/2 (1105 x 495 x 89)	1200
	HEPA	Standard	43 1/2 x 19 1/2 x 2 7/8 (1105 x 495 x 73)	900

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

SET POINT %	CFM	CFM/ SQ. FT	WATTS	RPM
100%	1074	222	237	2090
90%	917	189	185	1881
80%	760	157	134	1672
70%	680	126	86	1463
60%	450	93	55	1254
50%	312	64	33	1045
40%	200	41	20	836
30%	114	24	13	627
20%	51	11	9	418

NOTE:

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

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