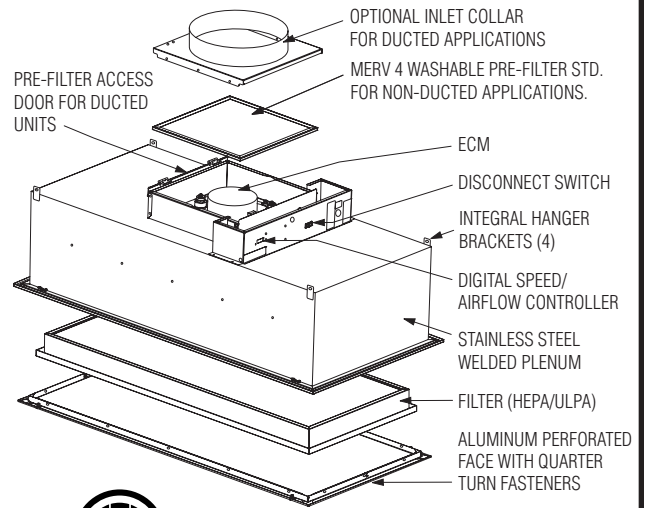
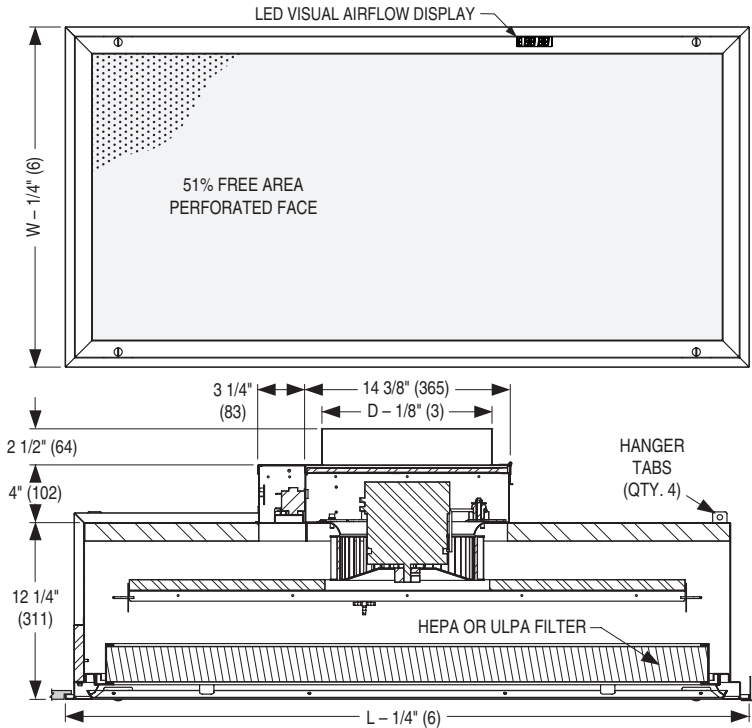
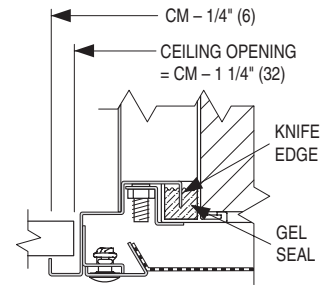




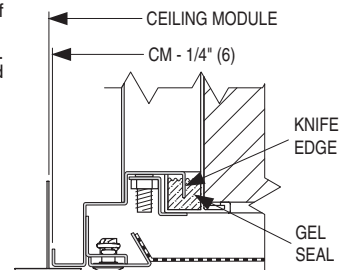
FAN FILTER DIFFUSER
CRITICAL ENVIRONMENT APPLICATIONS
ALUMINUM • ECM • HEPA OR ULPA FILTER
MODEL: 92FFD



TYPE S Surface Mount Detail



TYPE L Lay-in T-Bar Detail

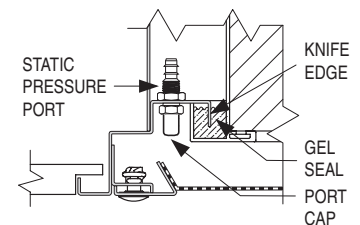


* COMPATIBLE WITH T-BARS UP TO 1 1/2" (38) WIDE

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

L20 (Optional) 2" (51) wide.

SPP Standard



Ceiling Module Sizes

Ceiling Module Size		Inlet Size	
Imperial (inches)	Metric (mm)	Inches	(mm)
Standard (Ductless)			
24 x 24	600 x 600	14 x 14	356 x 356
36 x 24	900 x 600	Optional (Ducted)	
48 x 24	1200 x 600		
		10, 12, 14	254, 305, 356

DESCRIPTION:

Nailor 92FFD Series Fan Filter Diffusers are designed to supply HEPA/ULPA filtered air to a cleanroom environment. The units are intended for use in cleanroom applications such as microelectronics, pharmaceutical, biotechnology as well as aerospace manufacturing/assembly and laser/optic industries.

All 92FFD series plenums consist of a robotically welded plenum and fan/motor assembly to ensure a repeatable, rigid, clean and near leak free design, meeting the most stringent of current leak tests.

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:

1. Aluminum 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. Internal Urethane Foam insulation to reduce sound levels.
4. Heavy duty hanger brackets.
5. LED fan operation indicator (on during normal operation).
6. AW Appliance White finish.
7. Two Stainless Steel safety cables to prevent accidental dropping of removable face.
8. High Efficiency ECM for precise constant airflow and field balancing. Available: 120V/1PH/60Hz, 208V/1PH/60Hz, 240V/1PH/60Hz and 277V/1PH/60Hz.
9. Digital speed controller with airflow readout.
10. Face accessible SPP.
11. HEPA filter (99.99% on 0.3 µm).
12. PAO scan tested to IEST RP Standards.
13. QF Toggle disconnect switch.
14. ETL Listed and Tested to UL 507 Standard.
15. Face adjustable airflow control.

OPTIONS:

- UL ULPA Filter (99.9995% on 0.12 µm).
- FBO Filter by others.
- CF Constant Flow EC Motor Program is standard (default).
- CT Constant Torque EC Motor Program is optional.
- RMB Room side removable motor/blower.
- RMBC Room side removable motor/blower/controls.
- PFM4 MERV 4 washable prefilter. (Std. for non-ducted app.).
- LFI Loaded Filter Indicator Package (factory mounted and wired).
- CPM DOP/PAO Challenge Port and Manifold.
- WMK Wall Mount Speed Control Kit.
- HHRC Hand Held Remote Control.
- STC Scan Testing Certificate
- 10" (254) or 12" (305) or 14" (356) Duct Collar.

Finish:
 SP Special _____

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
9 - 10 - 20	9200	1 - 2 - 20	92FFD