



PRODUCT SPOTLIGHT

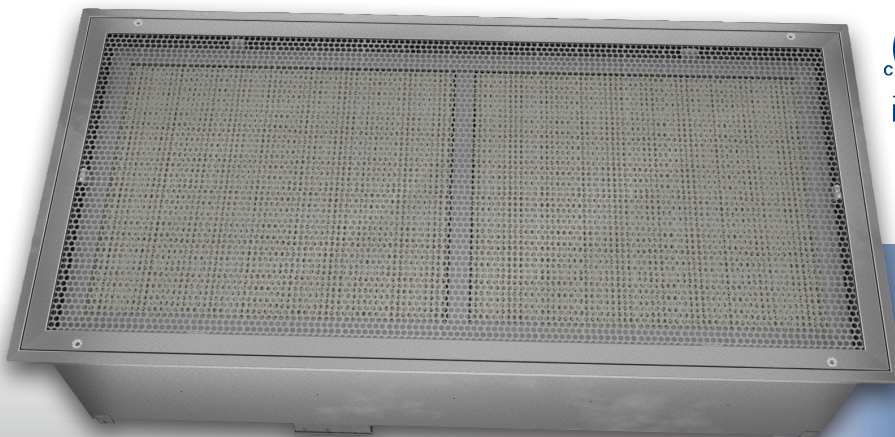
CRITICAL ENVIRONMENT APPLICATIONS 92FFD FAN FILTER DIFFUSERS

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

Filters are secured within the plenum against a continuous knife edge. The knife edge contacts the gel channel of the filter to provide a leak proof seal. Filters are room-side removable via quarter turn fasteners.

All 92FFD Series Plenums are robotically welded to ensure a consistent, rigid, clean and relatively leak free design to verify the specified efficiency and leakage to meet the most stringent of current leakage tests. Each unit is PAO Scan Tested to IEST-RP-CC034.3 Standard to ensure leakage is consistent with an uncompromised filter. Premium design features and high quality construction include a removable face for room-side filter replacement. This enables the integrity of the clean space to be maintained as the ceiling does not need to be penetrated.

Standard ECM technology provides an ultra-energy efficient design with the ability to precisely set a constant air volume. Additionally, as filter loading increases fan external static pressure, the ECM will compensate to maintain set airflow.



STANDARD FEATURES

- Aluminum or Type 304 Stainless Steel construction
- 304 Stainless Steel Fully welded plenum
- High Efficiency ECM for reduced energy consumption, pressure independent airflow and simplified field balancing
- Internal Urethane Foam Insulation to reduce noise
- LED fan operation indicator (on during normal operation)
- #4 Brushed Satin Polished finish (SS) and AW Appliance White (AL)
- Two SS Safety Cables to prevent accidental dropping of face
- Digital speed controller with airflow readout
- Heavy duty hanger brackets
- ETL Listed and Tested to UL 507 Standard
- Face accessible static pressure port
- MERV 4 Washable Pre-Filter (non-ducted applications)
- HEPA filter (99.99% on 0.3 μm)
- Toggle disconnect switch

OPTIONS

- Type 316 Stainless Steel Construction
- ULPA Filter (99.9995% on 0.12 μm)
- Room-side removable Motor/Blower
- Room-side removable Motor/Blower/Controls
- Loaded Filter Indicator Package
- PAO Manifold for challenge test
- Inlet collar for ducted applications
- Wall mounted speed controller