



Mini-Pleat Filters

Donaldson's mini-pleat filters offer 3 filter media choices packaged in sturdy, lightweight polymer frames. Various pre-filters are also available.

Filter Media: Fine microglass fibers are compressed into a paper-like configuration, then pleated to maximize surface filtering area.

Construction:

- Sturdy yet lightweight polymer frame means no corrosion.
- Hot melt beading across the filter media has a dual function: It holds the pleats open throughout the life of the filter to maximize filtering capability and it serves to stabilize the entire filter construction.
- Because the media is potted (sealed) into the polymer frame, there is no change of blow-out or leakage at higher ΔP 's (even up to 4" and 5").
- A unique interior angled design allows coalesced moisture to drain out, away from the media.



The frame of the pocket-type pre-filter mates perfectly to the mini-pleat.

The result is high dust-holding capacity with low ΔP over the service life of the filter.

This mini-pleat is perfect for gas turbine applications with high velocity air requirements, high moisture environments, and/or high dust situations. Designed to fit gas turbine air filter systems that use standard 24x24" mini-pleat filters.

Media Choices

- F9 (>95% efficiency):** Highest efficiency cleaning, recommended for gas turbines. Initial ΔP is only slightly higher than the others, but it plateaus over the life of the filter.
- F8 (90<95% efficiency):** The medium grade filter normally supplied by the OEM at first installation. Low initial ΔP .
- F7 (80<90% efficiency):** For older turbines that have large clearances and don't require highly efficient filtration.

Specifications

- **Media** is fully potted at ends to preclude blow-out and leakage
- **Media pleats** are held in place with hot melt beading
- **Frame:** Polymer, fully incinerable
- **Gasket:** Seamless urethane

Dimensions

Inches: 24 x 24 x 11.65
Mm: 592 x 592 x 296

Description	Media	ASHRAE Efficiency
24" sq Mini-Pleat	Fiberglass, F7	85% Dust Sport*
24" sq Mini-Pleat	Fiberglass, F8	90% Dust Sport*
24" sq Mini-Pleat	Fiberglass, F9	95% Dust Sport*
Pocket Pre-Filter	Synthetic, G4	90% Arrestance**
Pocket Pre-Filter Media	Synthetic, G4	90% Arrestance**

Notes on ASHRAE Efficiency Tests:

- * Dust Spot is a specific test done with fine test dust to determine the effectivity of the high-efficiency media typically used in primary filters.
- ** Arrestance is a specific test done with coarse test dust to determine the effectivity of the lower efficiency media typically used in pre-filters.