

Y100 Synthetic Pleated Pre-filter

Y100 Pre-Filter offers high performance and durability in hostile operating environments

Description

The Pneumafil Y- series extended area pre-filter is a heavy duty pre-filter designed for installations immediately upstream of V-Cell style barrier final filters. It can also be used in other pre-filter mounting systems. The contoured shape and spacing of the pleated medium allow dust to collect uniformly over every square inch of the media. The media is 100% synthetic non-woven. A galvanized expanded metal support grid is bonded to the media with non-water soluble adhesive.

The media is completely bonded to a rigid beverage board frame which is treated for moisture resistance but designed for normal and dry atmospheric use.

Also note that all pre-filters will repel water to a certain degree and or coalesce the moisture pending air density and pressure resistance against the media. For severe moisture applications use either the Pneumafil metal or plastic impact resistant frames.

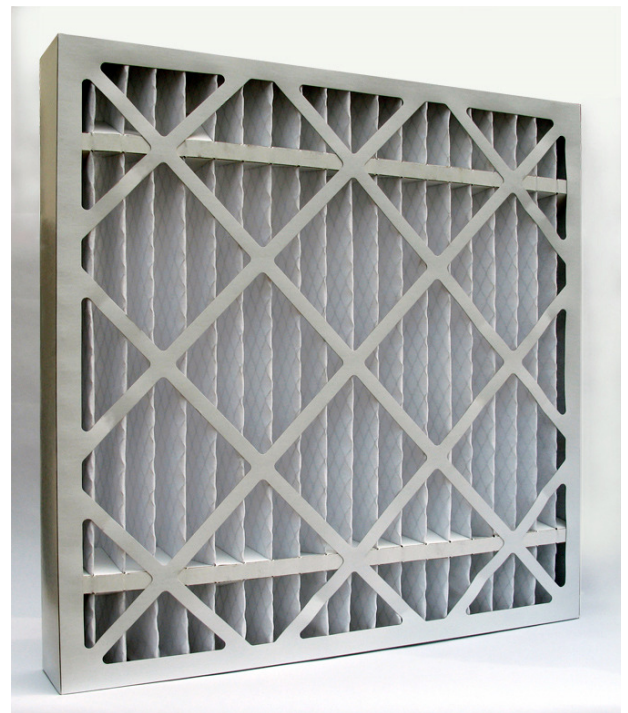
Benefits

Low Air Flow Resistance - Open pleat design creates the lowest pressure drop available in a compact depth loaded pre-filter. The low pressure drop maximizes energy savings and performance.

Longer Filter Life: The highly durable corrugated frame construction and double thickness expanded wire backing of the media provides maximum rigidity and structural support during extreme moisture conditions.

Light Weight: The Y100 is also light in weight, allowing for simple installation and removal. Specifically recommended for applications where space constraints and the labor associated with material handling and installation are critical.

Robust Media: The Panel Pleat media is extremely durable and very resistant to tears and punctures when compared with paper or fiberglass style filters. Synthetic medium, rated at MERV 8 efficiency, is gradient density to ensure high fine dust retention, is rigid and self-supporting in the airstream to maintain integrity during shutdowns.



Available Designs

Y100 Pre-filters are available in 24" x 24" x 4" sizes

Filters are rated to withstand a continuous operating temperature of up to 150 F. Filters shall have a recommended final resistance of 1.5" w.c.

Application Parameters

- Temperature resistance:
- Continuous to 150 F Peaks to 175 F
- Flammability: UL Classified
- Media: Synthetic
- Frame: Double Wall Cardboard
- Relative humidity: 100%

Media Rating	Part Number	Size
MERV 8	S51654A1	24" x 24" x 4"

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Performance Information

