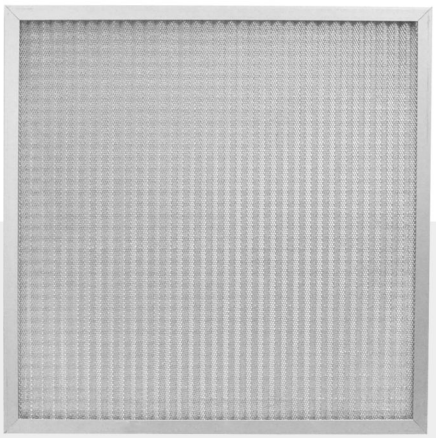
PreMet

Washable Aluminum Mesh Filter



Product Overview

Aluminum frame structure, lowering maintenance costs

Low initial resistance

High dust-holding capacity

Long service life

Easy installation and cleaning process

PreMet is specially designed for commercial heating, ventilation, and air conditioning (e.g., offices, meeting rooms, hospitals, shopping malls, stadiums, airports, and other large building air conditioning systems, HVAC systems in industrial plants, prefilter for HVAC systems in clean rooms).

Advantages

PreMet uses a lightweight plate structure with reusable aluminum frame. Intricately woven aluminum mesh structure results in high dust-holding capacity and unique moisture resistance, greatly reducing the cost of replacement and maintenance of the filter.

(1) Can reduce the frequency of cleaning and maintaining filter

(2) Greatly reduce the risk of causing fires

(3) Efficient heat dispersion increases service life of fan motors

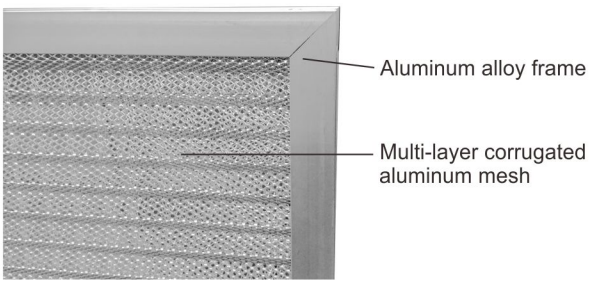
Unique Structure

The multi-layer corrugated aluminum mesh structure is designed to achieve the perfect filtering effect. Air pollutants are adsorbed onto the mesh going through layers of three-dimensional aluminum mesh. The spaces in between the aluminum mesh layers result in high dust-holding capacity. PreMet has a high heat resistance of up to 300°C

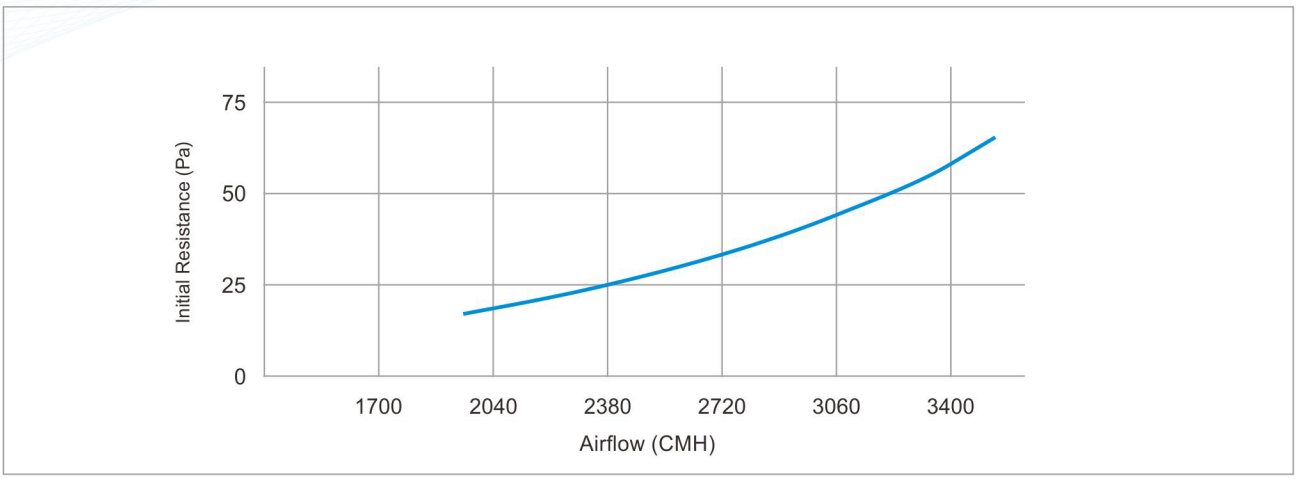
Installation and Maintenance

PreMet has a sturdy structure to prevent movements between the folded aluminum mesh layers and can be used in harsh operating environments. Its light weight and compact structure (only 46mm in thickness) reduces transport costs and makes for simple handling and installation. PreMet also comes in stainless steel frames and galvanized steel frames of any dimensions depending on needs of the user.

PreMet can be cleaned and reused many times by blowing compressed air or washing with an aqueous cleaning solution.



Initial Resistance vs Face Velocity



Standard Sizes and Performance Parameters

Nominal Size (Inches)	Actual Size (mm)	Rated Airflow (CMH)	Rated Face Velocity (m/s)
20 × 10 × 2	492 × 238 × 46	1054	2.5
16 × 20 × 2	390 × 492 × 46	1727	2.5
20 × 20 × 2	492 × 492 × 46	2179	2.5
16 × 25 × 2	390 × 619 × 46	2173	2.5
20 × 25 × 2	492 × 619 × 46	2741	2.5
24 × 24 × 2	594 × 594 × 46	3176	2.5

Additional sizes available upon request.