

Micro-Cell MPX

High Capacity Filter

FEATURES

- 220 mm deep packs
- Variety of frame materials: MDF particle board and galvanized
- Microfiber media
- Mini-pleat technology
- 95% @ 0.3 micron efficiency
- MERV 16 efficiency



MERV 16 HIGH CAPACITY AIR FILTER

Micro-Cell MPX is ideal for critical applications that require high purity air, but not quite HEPA-level filtration—such as oil mist applications. Micro-Cell MPX fills the gap between ASHRAE-rated filters and HEPA filtration.

MEDIA PACKS

The Micro-Cell MPX utilizes a glass-microfiber media that is pleated into a pack on a computer-controlled pleater for consistent and repeatable media packs. The pleats are separated and secured by an adhesive bead separator that promotes uniform air flow, inhibits media-to-media contact and eliminates fiber break-off that can affect alternative pleating methods.

Media packs are centered in the frame so that the pack is recessed. This minimizes potential damage during shipping and handling, which can occur with competitive filters that have media packs that extend the full depth of the frame.

CONSTRUCTION

Micro-Cell MPX filters are available in a variety of frame materials. Galvanized and MDF high-density particleboard frames are offered as standard, with the latter combining both economy and ease of disposal. The media packs are sealed into the frame with a polyurethane sealant—the same sealant used in our HEPA filtration range.

EFFICIENCY

The Micro-Cell MPX features a minimum efficiency of 95% on 0.3 micron-sized particles and is a MERV 16 when tested per ASHRAE 52.2 test standard. Applications include healthcare, pharmaceutical, biotech, oil mist, biomedical and other high purity applications.

RESISTANCE

Micro-Cell MPX features a resistance of 0.65 "W.G. @ 2000 CFM—20% less than other filters in the same class. This low resistance delivers longer service life, reduced energy consumption and easier retrofit when upgrading from ASHRAE-rated filtration.

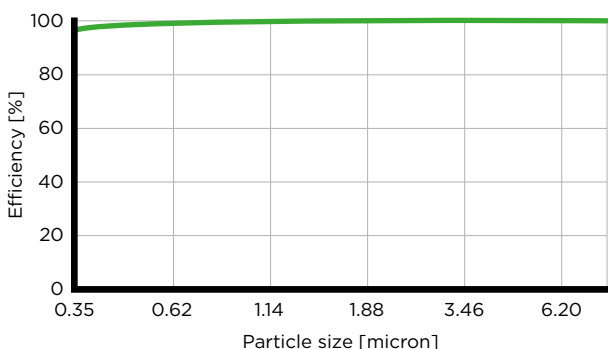
Micro-Cell MPX Specifications

TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Media | Glass microfiber |
| Frame | Galvanneal or MDF particleboard (standard) |
| Sealant | Polyurethane |
| Separators | Glue bead |
| Efficiency (test challenge = KCl) | 95% on 0.3 microns, MERV 16 per ASHRAE 52.2 |
| Resistance | 0.65 "W.G. @ 500 FPM (162 Pa @ 2.5 m/s) |

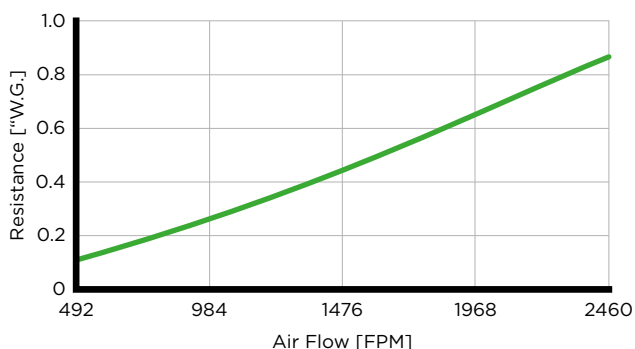
FILTRATION EFFICIENCY

vs. Particle Size



RESISTANCE

vs. Air Flow



Tri-Dim Filter Corporation is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a $\pm 5\%$ variance in filter performance.

LOCAL REPRESENTATIVE