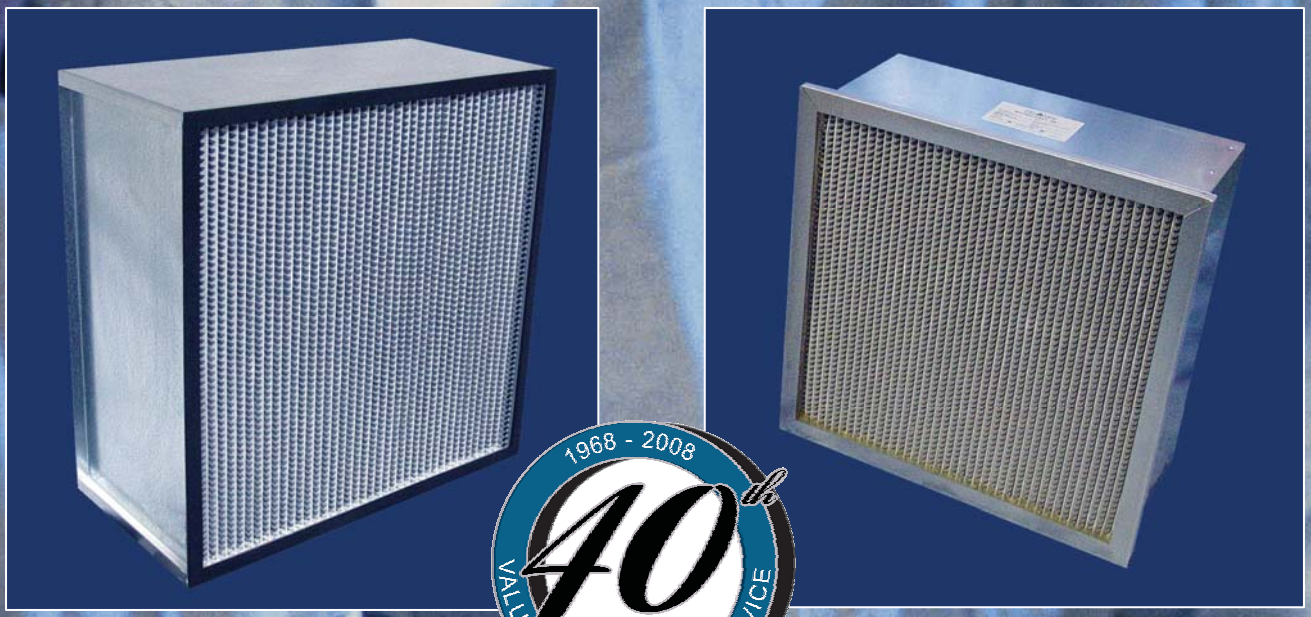
TRI DIM
FILTER CORPORATION

MICRO-CELL™ SERIES

95% DOP RATED EXTENDED SURFACE AIR FILTERS



1968 - 2008
40th Anniversary
VALUE INNOVATION SERVICE

WHEN CLEAN AIR IS CRITICAL

MICRO-CELL SERIES – MICRO-CELL XL (left) and MICRO-CELL 95 (right)

MICRO-CELL™ SERIES

95% DOP RATED HIGH EFFICIENCY EXTENDED SURFACE AIR FILTER

FEATURES:

- ☑ **Efficiency 95% @ 0.3 µm**
- ☑ **Retrofit in most Housings or Holding Frames**
- ☑ **Variety of Frame Materials**
- ☑ **Available in a Variety of Frame Configurations**
- ☑ **Microfiber Media**
- ☑ **Rolled and Tapered Aluminum Separators**
- ☑ **Standard and High Capacity Versions Available**
- ☑ **Faceguards optional**
- ☑ **Reduces Airborne Bacteria**
- ☑ **Quality-Controlled Manufacturing Facility**

Tri-Dim's MICRO-CELL™ Series of filters are ideal for use in critical applications that require clean air but do not require HEPA or ULPA efficiency or in applications that cannot handle the additional cost, air flow restrictions or major modifications associated with the use of a HEPA filters. The MICRO-CELL Series offers a minimal removal efficiency of 95% on particles 0.3 microns in size and fills the gap between the 90-95% ASHRAE filters and the 99.97% HEPA filters.

The MICRO-CELL Series features an easy and convenient retrofit into almost all ASHRAE and HEPA housings. The MICRO-CELL Series is available in three models, several styles and with a variety of frame materials. The MICRO-CELL Series is offered in the MICRO-CELL 95, MICRO-CELL XL and MICRO-CELL XL MAX.

MICRO-CELL 95 Series

The MICRO-CELL 95 Series offers the same construction as our Tri-Cell™ ASHRAE series – hot melt sealant, metal or wood frame materials, and Single, Double (metal only) and No Header (wood only) frame styles available. The MICRO-CELL 95 Series also is available in 6 and 12 inch depths.

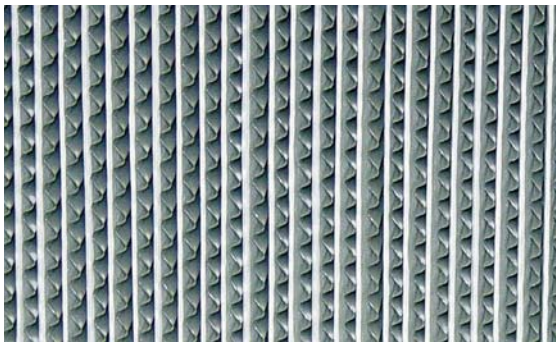
The MICRO-CELL XL Series offers the same construction as our Tri-Pure™ Separator Style HEPA filters – polyurethane sealant and a metal frame with Z-Body construction frame.

This style offers the same assurance of quality construction as HEPA filters. MICRO-CELL XL Series is also available with particleboard frame construction.

MICRO-CELL XL Series

The MICRO-CELL XL Series is also offered in a high capacity version – the MICRO-CELL XL MAX. All the same features and benefits of MICRO-CELL XL with the added feature of a rated airflow of 500 FPM (*2.5 m/sec*) with an initial resistance of 0.90" W.G. (*224 PA*).

The MICRO-CELL Series utilizes glass microfibers that are pleated into media packs using aluminum separators to offer protection, stability and uniformity to the media pack. Tri-Dim's separators are rolled and tapered to offer reduced risk of personal injury and diminish the risk of damaging the media pack.



MICRO-CELL Series Media Pack

The MICRO-CELL Series media pack utilizes microfiber media that offers consistent efficiency, real world results vs. laboratory results, negligible fiber shed and resistance to moisture.

Tri-Dim also offers optional faceguards and gasketing to match your application needs. Faceguards are available either on the upstream face, downstream face or on both faces of the filter. Faceguards add to the stability of the filter and are valuable protection for the media pack. Gasketing is also available and recommended on all MICRO-CELL Series filters to insure that no unfiltered air will bypass around the filter.

Micro-Cell 95 filters are manufactured in our quality-controlled facility to ensure you receive only the highest quality product available.

Tri-Dim is a full line filter manufacturer able to provide the full range of HVAC and Cleanroom filtration products and services to you and your company. Tri-Dim also provides local service through a network of dedicated, factory-trained sales professionals that can work with you on your filtration needs. Contact your local sales professional at 1-800-458-9835 for a free, no obligation filter and IAQ assessment.

MICRO-CELL XL Series with Gasketing

SPECIFICATION

MICRO-CELL™ 95

Recommended Airflow/Resistance:
12" Deep @ 250 FPM = 0.50" W.G.
(1.25 m/sec =125 PA)
6" Deep @ 125 FPM = 0.50" W.G.
(0.625 m/sec = 125 PA)

Temperature Limit: 200°F (93°C)

Frame Construction:
Galvanized, Particle Board,
Fire Retardant Particle Board
Other materials available upon request

Sealant: Hot Melt

Media: Glass Microfiber

Separators: Aluminum

UL 900 Class 1*
* All Metal Frame Versions

MICRO-CELL TYPICAL APPLICATIONS

- HEALTHCARE
- BIOTECH
- PHARMACEUTICAL
- FOOD PROCESSING
- PRECISION MANUFACTURING
- BIOMEDICAL
- UNIVERSITIES
- LABORATORIES
- INDUSTRIAL APPLICATIONS
- PHOTO PROCESSING
- MUSHROOM GROWERS
- RESEARCH FACILITIES

MICRO-CELL™ XL

Recommended Airflow/Resistance:
12" Deep @ 250 FPM = 0.50" W.G.
(1.25 m/sec = 125 PA)
6" Deep @ 125 FPM = 0.50" W.G.
(0.625 m/sec = 125 PA)

Temperature Limit: 250°F (121°C)

Standard Frame Construction:
Galvanized, Particle Board
Other materials available upon request

Sealant: Polyurethane

Media: Glass Microfiber

Separators: Aluminum

UL 900 Class 1*
*Gasket and Gel Seal Versions with a Metal Frame

MICRO-CELL™ XL MAX

Recommended Airflow/Resistance:
12" Deep @ 500 FPM = 0.90" W.G.
(2.5 m/sec = 224 PA)

Temperature Limit: 250°F (121°C)

Standard Frame Construction:
Galvanized, Particle Board
Other materials available upon request

Sealant: Polyurethane

Media: Glass Microfiber

Separators: Aluminum

UL 900 Class 1*
*Gasket and Gel Seal Versions with a Metal Frame

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice.
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