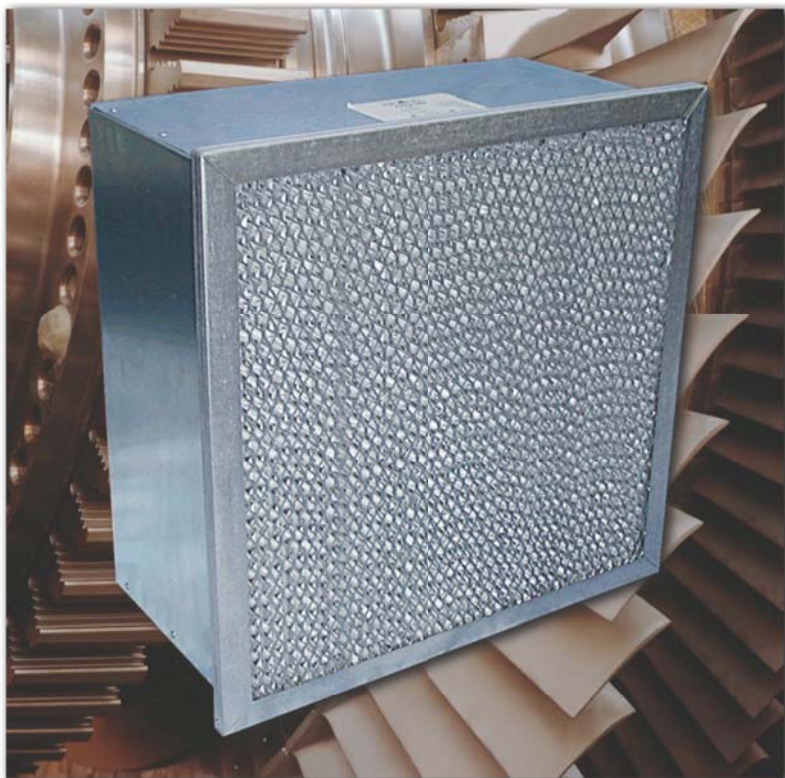


# TRI-CELL™ MIF

MEDIUM AND HIGH EFFICIENCY MACHINE INTAKE FILTRATION

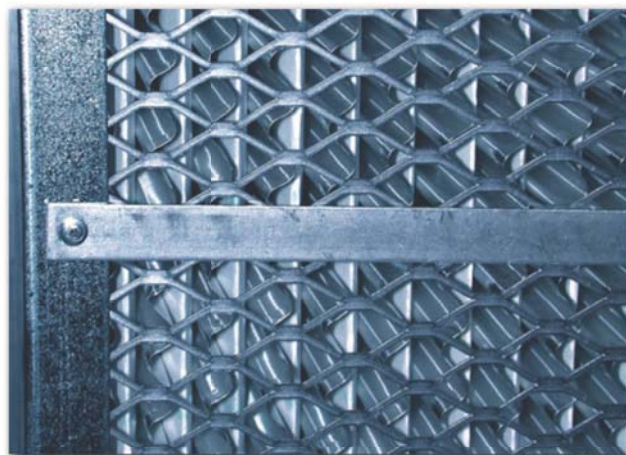


**TRI-CELL MIF - Machinery Intake Filters** are specifically engineered for the rotating machinery industry - centrifugal compressors, gas turbines and engines - where severe pulsing and surging can occur, in either airflow direction. The TRI-CELL MIF is designed to withstand these harsh conditions and offer high efficiency and high dust holding capacity.

The TRI-CELL MIF is available in MERV 11 (60-65%) and MERV 14 (90-95%) efficiencies and in either single header (*see photo left*) or double header configurations. The TRI-CELL MIF is constructed with protective faceguards both upstream and downstream and a cross brace located downstream.

The media is constructed of glass microfibers that are configured to maximize service life. The TRI-CELL MIF media is water resistant and can endure intermittent exposure to water with only a temporary rise in resistance. The TRI-CELL MIF media pack also features aluminum separators that have been rolled and tapered and placed between each pleat to enhance stability and to insure maximum airflow at a minimal resistance. The media pack is sealed to the frame around the perimeter with an adhesive sealant to create a positive seal and eliminate the bypass of unfiltered air.

The TRI-CELL MIF is the filter for use in the demanding environments of centrifugal compressors and gas turbines.



*Cross Brace and Faceguard*

# TRI-CELL MIF SPECIFICATIONS



## Media

Glass Microfiber

## Frame Construction

Galvanized Steel

## Seal

Perimeter Adhesive Seal

## Faceguards

Upstream and Downstream Standard

## Cross Brace

Downstream Standard

## Efficiency and Initial Resistance @ 500 FPM (2.54 m/sec)

MERV 11 (60-65%)

0.40" WG (100 PA)

MERV 14 (90-95%)

0.61" WG (152 PA)

## Recommended Final Resistance

2.5" WG (622 PA)

## Options

Factory Installed Gasketing  
Cross Brace Upstream

**Meets ANSI/UL-900 Requirements**

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. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. Tri-Pleat™ is a Trademark of Tri-Dim Filter Corporation.



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Brochure # 1200-2  
Revision: 08/2011

