

# INNOVATIVE FILTRATION SOLUTIONS



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## Welcome

Tri-Dim Filter Corporation was founded over 40 years ago to provide innovative filtration solutions and 'Value-in-Use' engineered solutions. This philosophy has led to phenomenal growth over the past several decades and Tri-Dim is now an industry leader in filtration products and services. We at Tri-Dim still cling and adhere to these founding philosophies and continue to offer the latest in innovative solutions and value-in-use products. Please browse through these pages to see an overview of our current products and services.





ultra  xv



ULTRA XV™ 16/99 PLUS

ULTRA Xe™



ULTRA XV™



ULTRA XP™



ULTRA X2™



ULTRA GREEN™







## ULTRA Series Products

**ULTRA XV 16/99 PLUS FILTER** - offers near HEPA efficiency with ASHRAE resistance - MERV 16+ performance at 0.56" WG. Has been tested per ASHRAE 52.2 Appendix J. Other features are energy saving design, various frame options, light weight, etc.

**ULTRA Xe FILTER** - the 4-Panel version of the ULTRA XV - available efficiencies of MERV 15 and MERV 13. The ULTRA Xe filters offer high initial efficiency that has been tested per Appendix J, extremely low pressure drop, energy savings, light weight, long service life.

**ULTRA XV FILTER** - is the 8-Panel version - available in efficiencies of MERV 16, MERV 15 and MERV 13. The ULTRA XV filters offer high initial efficiency tested per Appendix J, low pressure drop, energy savings, light weight, long service life - the ULTRA XV that has it all.

**ULTRA XP FILTER** - extended surface bag filter utilizing the ULTRA media - offered in MERV 16+, MERV 15 and MERV 14 efficiencies. The ULTRA XP offers low resistance and high efficiency, the MERV 16+ features 97.8% efficiency on 0.3 micron particles per ASHRAE 52.2 Appendix J testing.

**ULTRA X2 FILTER** - offered in MERV 14 efficiency (ASHRAE 52.2 Appendix J test) with an initial resistance of 0.37" WG at 500 FPM. Durable plastic frame, tough ULTRA Media, Easy Upgrade and Retrofit, Water Repellency and UV Resistance - all in a compact 2" Deep filter.

**ULTRA GREEN FILTER** - is a mechanical MERV 10 cleanable filter with ultra low resistance, and is reusable for up to two years with proper cleaning.

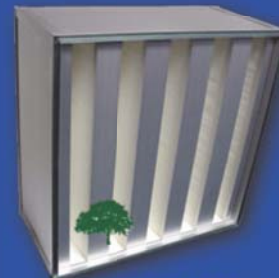




# Ultra High Efficiency Filtration Products



TRI-PURE™ TERMINAL MODULE



TRI-PURE™ 2000



TRI-PURE™ MP/MPX



TRI-PURE™ HEPA/HEPAMAX



TRI-PURE™ PANEL



TRI-PURE™ HT





# Ultra High Efficiency Products

**TRI-PURE™ TERMINAL MODULE** - has an anodized extruded aluminum frame with an inlet collar. Filter efficiencies range from 99.99% @ 0.3µm to 99.9995 @ 0.12µm.

**TRI-PURE™ PANEL** - HEPA/ULPA Panel Filters are available in a variety of frame configurations, sizes, pack depths and efficiencies for all types of Cleanroom Applications.

**TRI-PURE™ 2000** - High Flow HEPA Filters are designed to operate at 500 FPM with an initial resistance of 1.0" W.G. by utilizing a series of mini-pleat media packs arranged in a V-Bank.

**TRI-PURE™ MP and TRI-PURE™ MPX HEPA** - Mini-Pleat HEPA filters offer many advantages over traditional separator style HEPA filters.

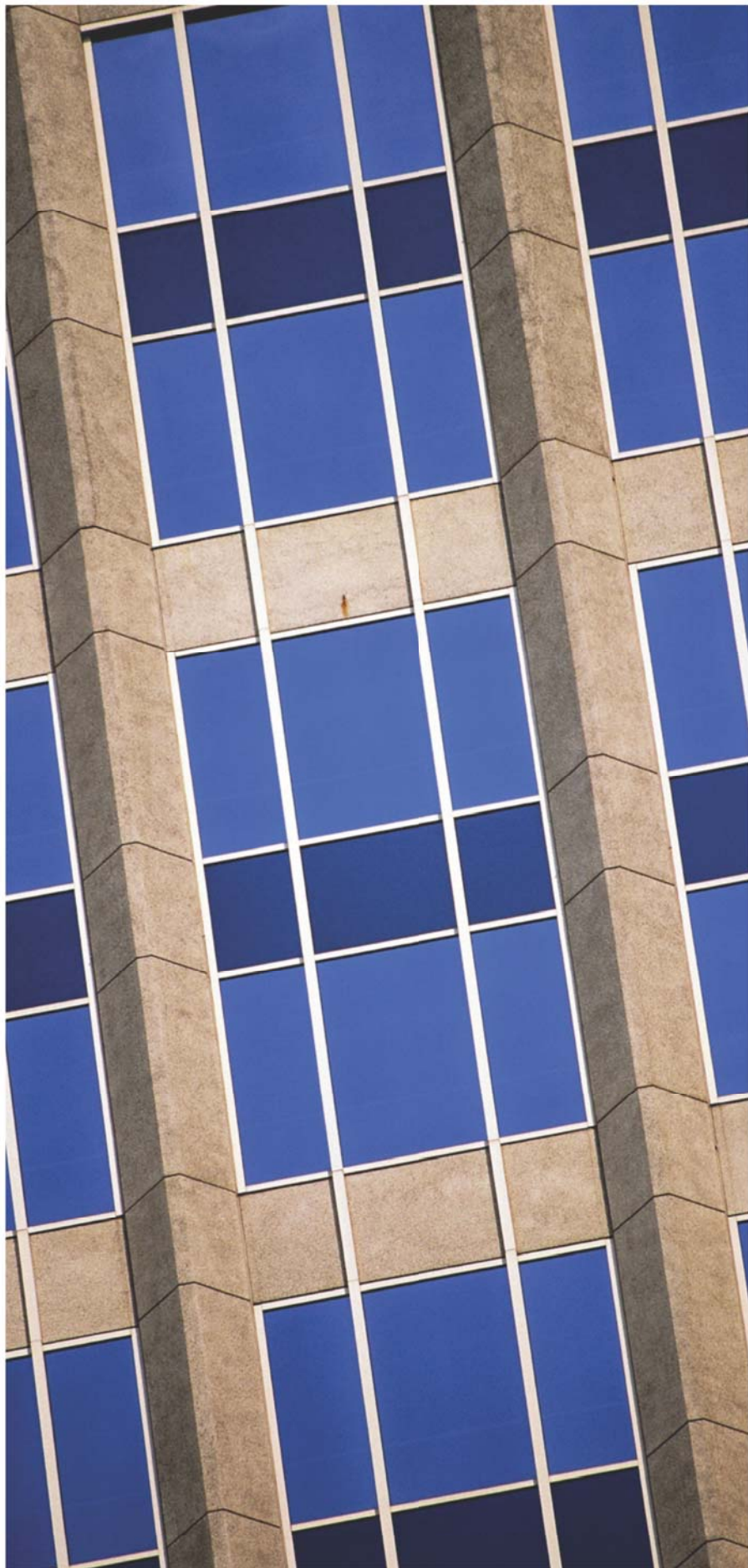
**TRI-PURE™ HEPA HT** - filters are designed for the challenging environments of high temperature applications where high demands are placed on HEPA filters.

**TRI-PURE™ HEPA and HEPAMAX™** - Both TRI-PURE HEPA and HEPAMAX filters are available in a variety of styles to meet your demanding application needs.

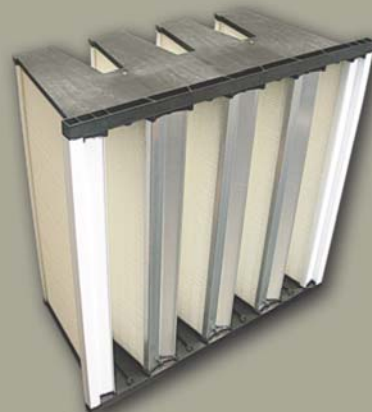
## ADDITIONAL FILTERS

**DOP FILTERS** - TRI-DIM offers a wide variety of filters from 95% DOP to 98% DOP in V-Cell as well as standard cell configurations.

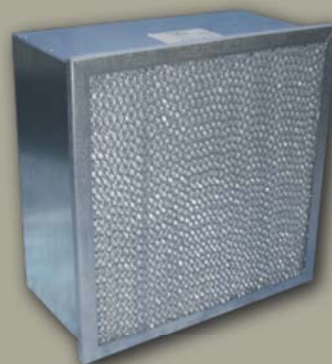




# High Efficiency Filtration Products



V-CELL FILTERS



BOX & THIN LINE FILTERS



BAG FILTERS





## High Efficiency - V-Cell Products

**PREDATOR Series** - available in 8 panel or 4 panel versions which offer economical and money saving alternatives to conventional box and rigid filters. The PREDATOR offers high efficiency and is available in MERV 11, MERV 13, MERV 14 and MERV 16 efficiencies, easy disposal and efficiency in real world applications that match test results. The PREDATOR also offers significant cost savings in energy expenditures over conventional filters.

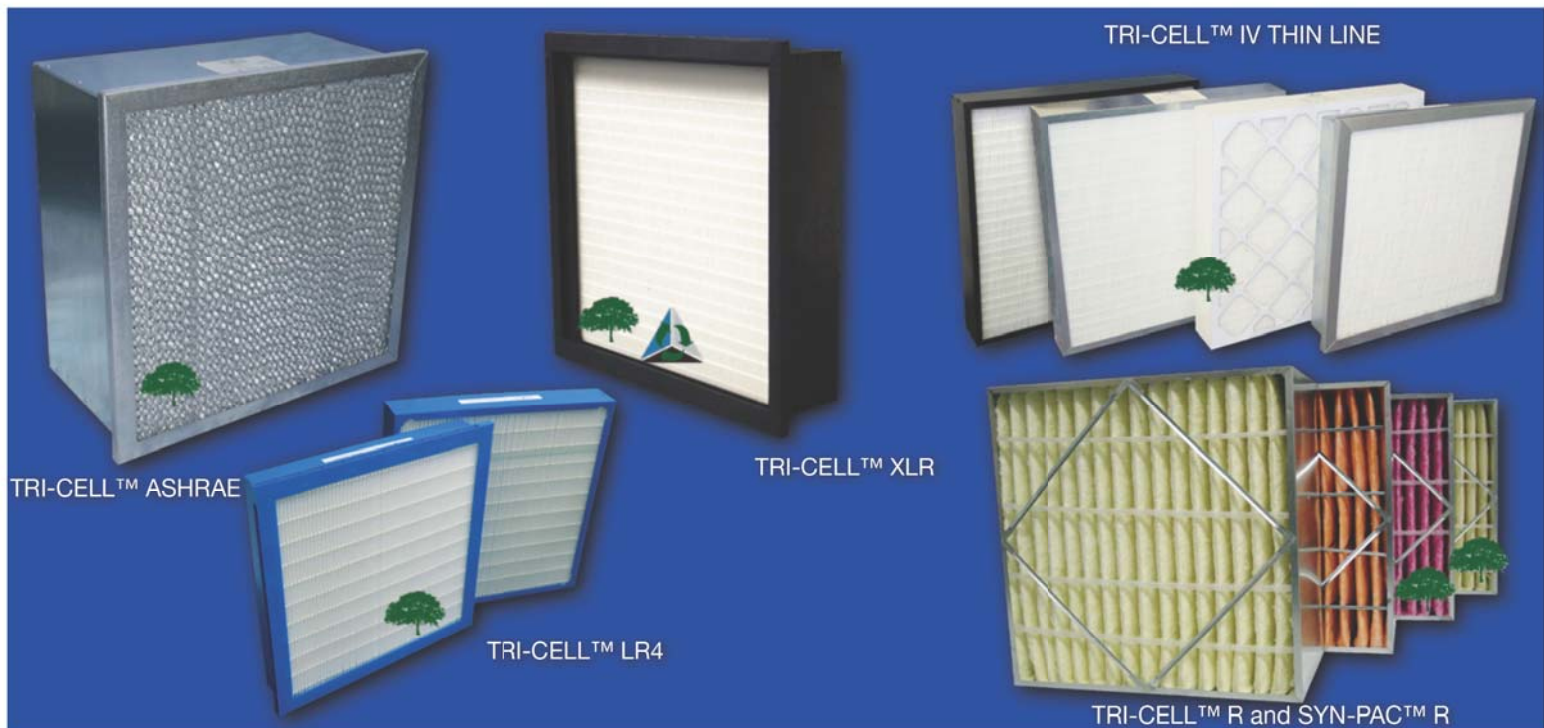
**PREDATOR VR Series** - is manufactured with a metal wrap around the standard Predator filter for applications that demand a double-header.

**PREDATOR Cube Filters** - are another Tri-Dim innovative solution for applications where a prefilter track does not exist and there is no room to add an additional filter track. Available in MERV 8 and MERV 11 efficiencies.

**TRI-CELL™ VRC** - features a permanent metal frame with replaceable media packs. Media packs are available from MERV 11 (60-65%) to MERV 14 (90-95%) and also available with carbon media replaceable packs for gas phase applications. The Tri-Cell VRC is available in either 15" or 12" deep configurations







## High Efficiency - Box and Thin Line Products

**TRI-CELL™ ASHRAE Filters** - are available in an array of styles to meet your needs – the TRI-CELL HT is for high temperature applications with models ranging from 350°F - 900°F. The TRI-CELL MIF is engineered to handle machine intake applications and the TRI-CELL ASHRAE is designed for environments where high efficiency filtration is needed.

**TRI-CELL™ R & SYN-PAC™ R Rigid Filters** - are available in a variety of efficiencies from MERV 9 (45-50%) - MERV 14 (90-95%). Tri-Cell R is constructed utilizing fiberglass media while the Syn-Pac R is constructed of synthetic media.

**TRI-CELL™ THIN LINE Filters** - are available in microglass (TRI-CELL IV and II), and synthetic media (TRI-CELL IVS). TRI-CELL II and IV filters are available in a variety of efficiencies - from MERV 11 (60-65%) to MERV 14 (90-95%), depths and frame styles. Tri-Cell IVS is also available in a variety of thicknesses and filter efficiencies to match your application.

**TRI-CELL™ XLR HIGH EFFICIENCY FILTERS** - offer exceptional value as a replacement for traditional 12" deep cells by offering virtually identical performance with no metal components, light weight, real world efficiency performance, and optional integrated prefilter.

**TRI-CELL™ LR4 HIGH EFFICIENCY FILTERS** - synthetic media and a plastic frame (both box and header style) offered in MERV 11, MERV 13 and MERV 14 efficiencies.







## High Efficiency - Bag Filters

**SYN-PAC™ XL II Hybrid Bag Filters** - offer a solution to the real world problem of efficiency degradation in electrostatically enhanced media by utilizing a hybrid media. SYN-PAC XL II is available in efficiencies of MERV 12 (60-65%), MERV 15 (80-85%) and MERV 16 (90-95%) and a Bacterial Efficiency of 98.19%.

**MICRO-PAC™ 99 Synthetic Bag Filters** - an all synthetic extended surface pocket filter that offers exceptional efficiency - including DAY 1 initial efficiency of 98.9% and a bacterial efficiency rating of 98.87% - making it the filter of choice in applications where extraordinary efficiencies are required.

**SYN-PAC™ E Synthetic Bag Filters** - are available in efficiencies from MERV 10 (40-45%) to MERV 15 (90-95%). Syn-Pac E filters are available with an optional antimicrobial treatment and are now rated UL Class 1 per UL Standard 900.

**SYN-PAC™ A Synthetic Bag Filters** - are available in efficiencies of MERV 12 (60-65%), MERV 14 (80-85%), MERV 15 (90% and 95%) and offer high performance for sensitive applications.

**TRI-SAC™ Fiberglass Media Bag Filters** - are constructed of fiberglass media and are available in a variety of efficiencies: MERV 9 (40-50%), MERV 11 (60-65%), MERV 13 (80-85%) and MERV 15 (90-95%). Tri-Dim also offers the Tri-Sac Oil Mist bag filter that has been specially engineered for oil mist applications.





## Medium - Low Efficiency Filtration Products



TRI-DEK® FILTERS



PLEATED FILTERS



ADDITIONAL FILTERS





## Medium Efficiency - TRI-DEK® Products

**TRI-DEK® PANEL & LINK FILTERS** - available in 2 ply (3/67), 3 ply (15/40), or 4 ply (XL) to meet your requirements. Tri-Dek is an excellent upgrade from fiberglass disposable filters and pleated air filters. TRI-DEK filters are available in the standard version, with an optional antimicrobial treatment or in UL Class 1 versions. TRI-DEK advantages over pleats include no air bypass, moisture and mold resistant, improved system efficiency, reduced labor and disposal cost, reduced filter damage, cleaner coils, etc. Available in both standard and special sizes.

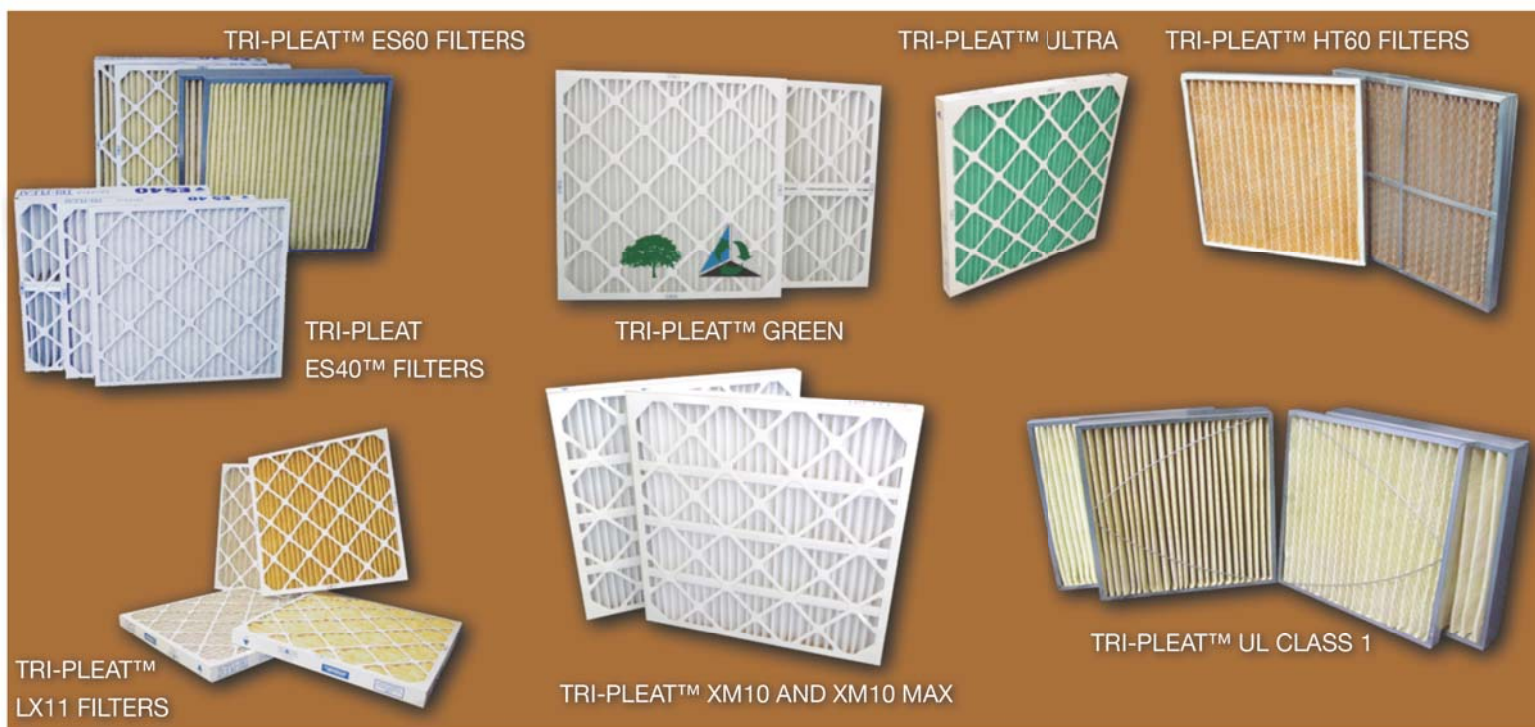
**TRI-DEK® E SERIES PANEL FILTERS** - offers many 'Green' features including no metal components, the E2 offers recycled media, the E8 offers MERV 8 efficiency, both offer 70% savings in shipping & storage cost and all the benefits you would expect from TRI-DEK products.

**TRI-CUBE™ CUBE FILTERS** - available with either a self-sealing header (shown in photo above) or with a metal header. The TRI-CUBE filters are also available in the TRI-CUBE XL PLUS model which adds an additional layer of high efficiency media to the XL 4-Ply cube filter. TRI-CUBE filters are also available with multiple pockets for applications that require even more surface area.

**TRI-CUBE™ REVERSE FLOW CUBE FILTERS** - are available in a reverse flow configuration for those applications that require an extended surface filter but with no available space downstream.







## Medium Efficiency - Pleated Products

**TRI-PLEAT™ ES40 SERIES** - Tri-Dim offers a full range of extended surface pleated air filters. Available models include TRI-PLEAT ES40E economy pleated filters, the TRI-PLEAT ES40LE and the ES40ME. These filters are MERV 7 efficiency.

**TRI-PLEAT™ ULTRA SERIES** - is our mechanical MERV 8 filters with low resistance that are available in 1, 2, and 4" depths in either standard or high capacity versions using synthetic medias.

**TRI-PLEAT™ LX11 SERIES** - is our MERV 11 rated filters that are available in 1, 2, and 4" deep models in either standard or high capacity versions using synthetic medias.

**TRI-PLEAT™ HT60** - is a high temperature version engineered to operate at temperatures up to 500° F and provide MERV 11 efficiency.

**TRI-PLEAT™ ES60 SERIES** - utilizes a fiberglass media and offers a MERV 11 (60-65%) efficiency. The Tri-Pleat ES60 is available in standard and high capacity versions as well as in a UL Class 1.

**TRI-PLEAT™ GREEN FILTERS** - offer MERV 13 performance and easy retrofit from current filtration to MERV 13 to achieve valuable LEED points. Available in either two or four inch depths.

**TRI-PLEAT™ XM10 AND XM10 MAX FILTERS** - features MERV 10 efficiency, no metal components, low pressure drop and mechanical media. Available in either two or four inch depths.







## Low/Medium Efficiency Products

**TRI-GLASS™ DISPOSABLE** - Tri-Dim offers a complete line of disposable filters that include fiberglass and synthetic media.

**TRI-MET™ METAL** - Tri-Dim offers a complete line of metal mesh filters, grease baffle filters and pad holding frames.

**CARTRIDGE FILTERS** - Tri-Dim offers TRI-CAP™, TRI-FLO™, TRI-FLO™ P and TRI-P™ Cartridge filters for replacement into internally supported wire basket retainers.

**AUTO ROLL FILTERS** - are available for replacement into all OEM automatic roll machines offered in four different medias and in all sizes.

**TRI-DEK® SLEEVE FILTERS** - Two-ply heat sealed sleeves are pulled over a permanent reusable galvanized wire frame.

**TRI-DEK® MEDIA PADS AND ROLLS** - are available in a wide range of efficiencies and depths – now available in MERV 8 efficiency to meet LEED requirements.





## Gas Phase Filtration Products



TRI-SORB™ FILTERS



TRI-SORB™ BULK ROLL



TRI-DEK® C



TRI-SORB™ PLEATS



TRI-SORB™ CUBE  
FILTERS



TRI-SORB™  
BOX FILTERS



HOUSINGS, TRAYS  
AND MODULES





# Gas Phase Filtration Products

**TRI-SORB™ GAS PHASE FILTERS** - are available in media pads, bulk rolls, pads in die-cut frames and triple stage filters in a die-cut frame with media loadings ranging from 55 to 900 gr/ft<sup>2</sup>.

**TRI-DEK® C RING PANEL CARBON FILTERS** - are available from 45, to 600 grams/sq. ft. carbon loadings with MERV 8/9 particulate removal efficiencies.

**TRI-SORB™ PLEATED FILTERS** - Tri-Sorb XL utilizes the carbon surface area rather than weight to increase effectiveness. The Tri-Sorb XL Diesel specifically targets diesel odors. The Tri-Sorb 50/50 filter is a 50/50 blend comprised of granular activated carbon and impregnated alumina.

**TRI-SORB™ CUBE FILTERS** - Tri-Sorb Cube filters offer gas phase filtration in a cube filter.

**TRI-SORB™ RIGID BOX FILTERS** - The Tri-Sorb R offers both gas phase and particulate filtration. The Tri-Sorb XL filters use surface area rather than weight to increase efficiency. The TRI-SORB V filter is a V-Cell that has a large quantity of carbon with a low operating resistance.

**TRI-SORB™ BULK ROLL FILTERS** - available in four carbon loadings and offers an excellent solution to the problem of 'sudden' reoccurring odors.

**TRI-SORB™ BULK CARBON, TRAYS, MODULES AND HOUSINGS** - Tri-Dim offers a complete line of bulk carbon medias, refillable carbon trays, modules and housings.





# Purification Equipment Products



LP SERIES CEILING MOUNT



LP LOW PROFILE SERIES



ACCU™ SERIES  
CEILING MOUNT



ACCU™ SERIES -  
PORTABLE



TRI-KLEEN™ 2500





# Purification Equipment Products

Tri-Dim's IDT Equipment Division offers innovative solutions for today's air decontamination problems. IDT's roots can be traced back to the asbestos abatement industry but today has solutions for many sectors including healthcare, industry, retail, restaurants, commercial buildings and more. Below we have highlighted just a few products from our complete line.

**ACCU™ SERIES NEGATIVE AIR EQUIPMENT** - offers a versatile air purification/negative air pressure machine that comes with optional HEPA filtration, UV light section, louvers and collars so the machine can be used in-room or above-ceiling to create the needed air flow patterns - perfect for Protective Isolation areas in medical facilities.

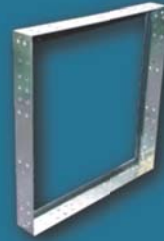
**LP™ SERIES LOW PROFILE AIR CLEANER** - is a low profile 600 or 1000 CFM air cleaning system designed for above-ceiling installations to control smoke, particulate and odors. Features include in-room filter access, variety of filter options, low noise levels and high airflow.

**TRI-KLEEN™ 2500 AIR CLEANER** - The Tri-Kleen 2500 is a self-contained three stage media air cleaner, featuring the unique Coanda airflow pattern. Each Tri-Kleen 2500 creates its own airflow, minimizing sizing and placement problems. Tri-Kleen 2500 air cleaner can be positioned directly above the source of the contaminant to capture pollutants before they have a chance to disperse.

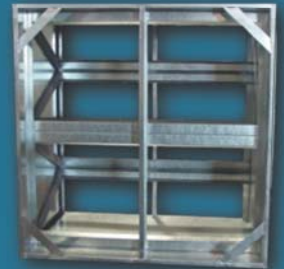




# Filter Housings Products



TRI-MET™ HOLDING FRAMES



TRI-MET™ VB V-BANK



TRI-MET™ FB FLAT BANK



TRI-MET™ SA SIDE ACCESS



TRI-LOCK™ HOLDING FRAME



TRI-LOCK™ FS/GS  
SIDE ACCESS



TRI-PURE™ GSR  
HEPA HOOD



TRI-LOCK™ BG/BF  
BAG-IN BAG-OUT





# Filter Housings Products

**TRI-MET™ ASHRAE Holding Frames** - are available in two styles – the Tri-Met TML Universal Holding Frame and the Tri-Met TM8 (Type 8) Holding Frame in a variety of metals and depths. In addition Tri-Dim offers a full line of filter retaining clips for use with our Tri-Met Holding Frames.

**TRI-MET™ ASHRAE Housings** - are available in a wide variety of styles that include the Tri-Met FB – Flat Bank Housing for 2” or 4” thick filters, the Tri-Met VB – V-Bank Housing for 2” or 4” thick filters to increase filter area, the Tri-Met SA to hold two stages of filters – a 2” or 4” prefilter, 1” final filter track and a Tri-Met Carbon SA for carbon trays.

**TRI-LOCK™ HF & HF4 – HEPA Holding Frames** - are available for either Gel Seal or Gasket Seal HEPA filters and are available in Galvanized or Stainless Steel with all joints continuously welded.

**TRI-LOCK™ HEPA Housings** - are available in a Side Access version, the TRI-LOCK SB Swing Bolt (Gasket Seal) the TRI-LOCK GS (Gasket Seal) or TRI-LOCK FS (Gel Seal), are also available in the Bag-In/Bag-Out Version, the TRI-LOCK BG (Gasket Seal) and the TRI-LOCK BF (Gel Seal).

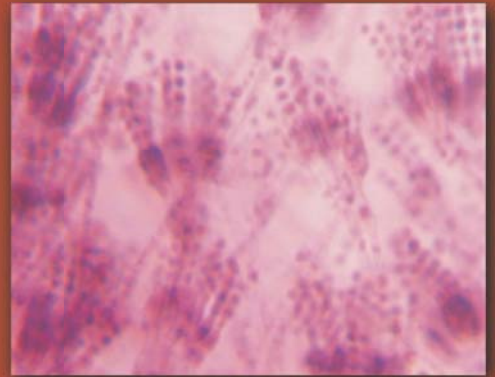
**TRI-PURE™ GSR HEPA Hoods** - Gel Seal Replaceable Ducted Hoods that are engineered for applications where ease of filter change and by-pass free filter change is required - such as Pharmaceutical or Biotech applications.





Services

# Services



IAQ Testing (picture of mold)



IET Service



IAQ Testing





## Services

Our service division continues Tri-Dim's tradition of innovation by providing a full range of products and services that are required to ensure a clean, high quality work environment. Tri-Dim offers the professionalism you would expect from an industry leader, our staff averages over 15 years of experience and knows the surest route to a cleaner work environment, with certifications and training from the leading organizations in the industry. Our staff is backed by state-of-the-art equipment and technology to provide efficient and cost-effective service. Tri-Dim's service is about more than cleaner air- it is about creating optimal work conditions by providing the highest quality of products and services and delivering the benefit of a cleaner work environment.

**AVAILABLE SERVICES** - Commercial and Retail, Vacuum Truck Services, Industrial Cleaning, Paint Booth Services, Filter Changing Service, Mold Remediation, Indoor Air (Air Handling Unit / Air Conveyance System), Environmental Testing, Ventilation System Cleaning and Hygiene Indoor Air Quality Testing.

**IAQ Testing** - How do you know if you have an IAQ problem? By the time you receive a complaint is it already too late? These are tough questions and there are no easy answers but an IAQ Testing program is an integral part of a complete IAQ Prevention Program. Tri-Dim can perform a variety of IAQ testing and the cultures are processed at an independent laboratory.





# Spray Booth Filtration Products



TRI-DEK® PANEL  
FILTERS

TRI-CUBE™ CUBE  
FILTERS



DIFFUSION  
FILTERS

SYN-PAC 319™  
BAG FILTERS



TRI-GUARD™ PAINT  
ARRESTOR MEDIA





# Spray Booth Filtration Products

Tri-Dim has a complete line of spray booth filters for downdraft and cross draft booths. Filters include both intake and exhaust filters and include NESHAP 319 systems for Aerospace related industries. Intake filters include:

**TRI-DEK® Panel Filters** - are available in panel and links for filtration of the intake in a spray booth.

**TRI-CUBE™ Filters** - extended surface intake filtration.

**TR-1™ Filters** - diffusion panel and media filters.

**TD-700-8™ Filters** - ceiling diffusion panel and media filters.

Exhaust filters include:

**PA-201™ Filters** - fiberglass paint arrestor filters

**TRI-GUARD™ Filters** - TRI-GUARD™ and TRI-GUARD™ 319 synthetic media, TRI-GUARD™ II paper and paper/poly paint arrestor media available in pads and rolls.

**TRI-CUBE™ Filters** TRI-CUBE™ 319 and 319 PLUS Filters for NESHAP compliance.

**SYN-PAC™ Filters** SYN-PAC™ 319 Bag Filters for 3 stage NESHAP systems.





Additional Products

# Additional Products



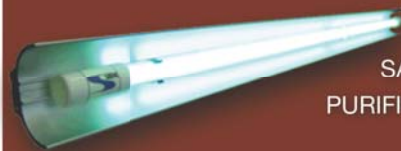
TRI-KLEEN™  
HVAC  
EXTENDED  
CARE

V-BELTS



LIQUID FILTERS

POLY-TRI MCF LIQUID  
MEDIA

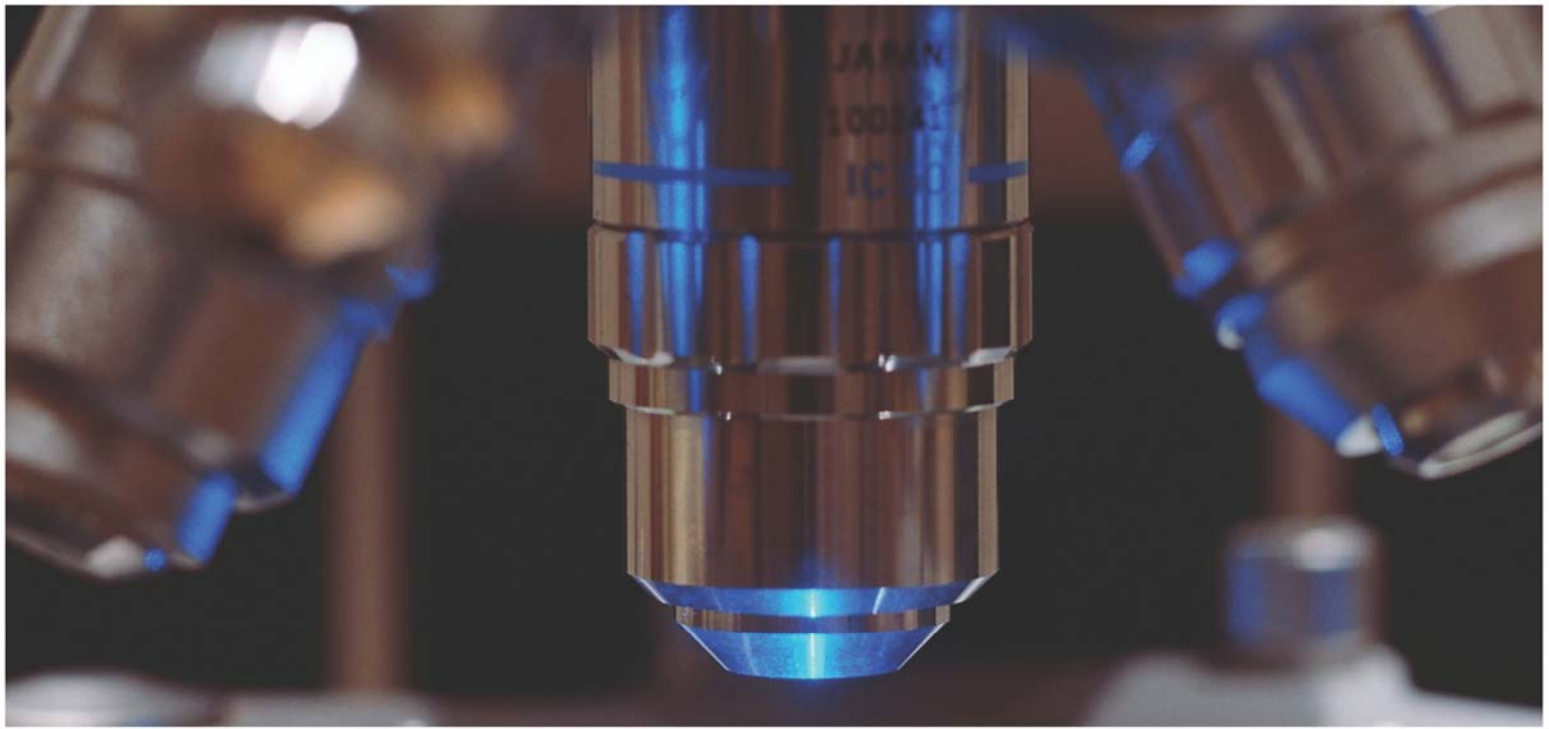


SANUVOX® UV  
PURIFICATION SYSTEMS

TOTAL SOURCE  
FOR FILTRATION







## Additional Products

**TRI-KLEEN HVAC EXTENDED CARE** - with the negative effects of a dirty HVAC system there is a need for a complete control system. TRI-KLEEN is a series of products that can put your HVAC system back under control.

**V-Belts for HVAC Applications** - Tri-Dim offers a full line of Continental high quality belts for any HVAC application.

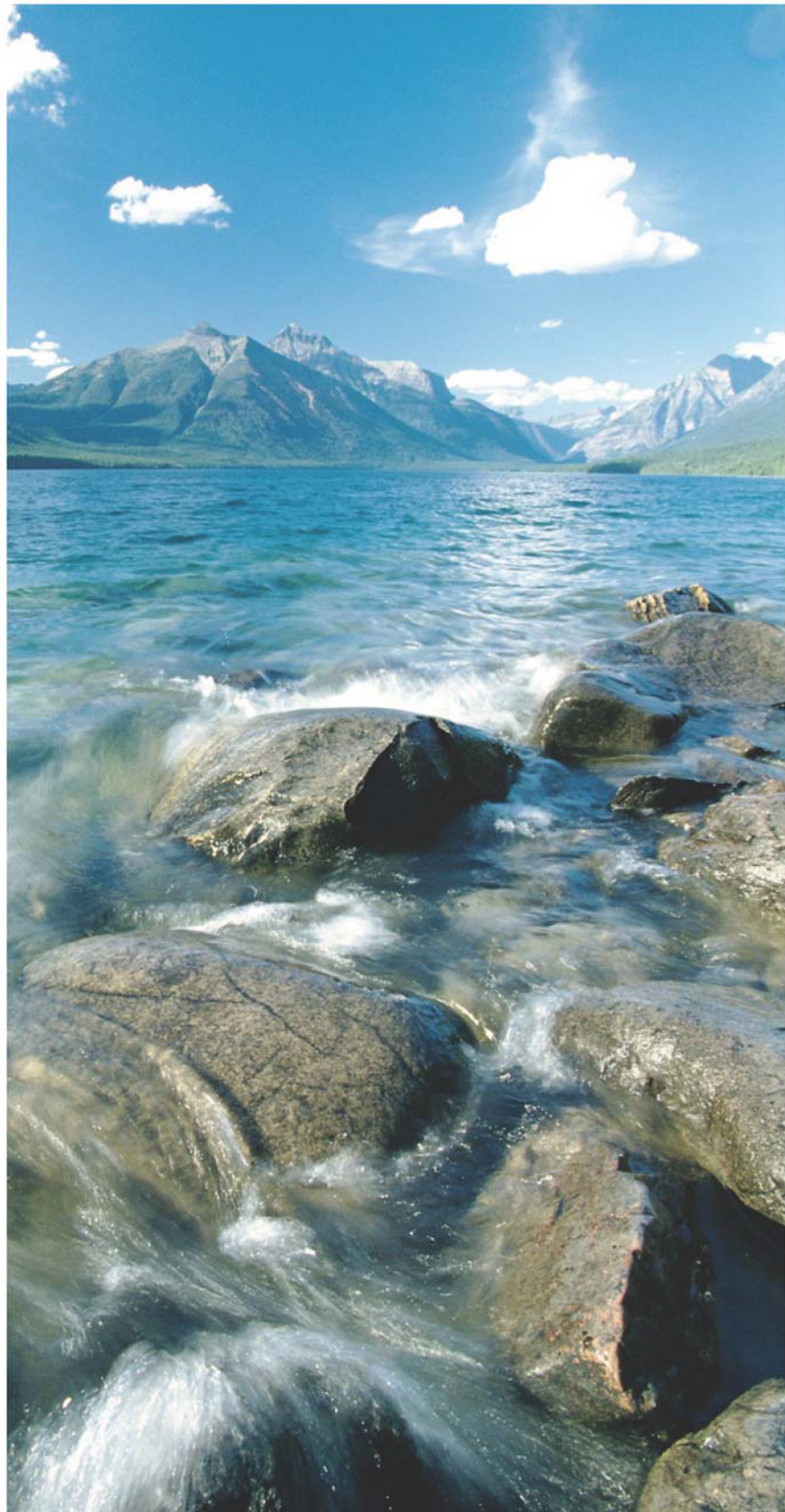
**LIQUID FILTRATION** - includes the POLY-TRI Liquid Bag line of high performance micro-fiber liquid filter bags.

**POLY-TRI MCF Liquid Media** - for use in Vacuum, Gravity and Pressure filtration systems. These systems are typically used in machine tool coolant filtration applications.

**SANUVOX® UV PURIFICATION SYSTEMS** - Tri-Dim is proud to offer the state-of-the-art in UV Light Purification Systems both for object and air purification.

**TOTAL SOURCE FOR FILTRATION PRODUCTS** - Tri-Dim has developed a network of strategic partnerships and can provide liquid bags, cartridges, compressed air, machine intake, hydraulic, air intake elements, coalescer filters, dust collector bags and cartridges, gas turbine filters, powder coat booth filters and more at competitive pricing.





# VALUE ADDED SERVICES

## **FILTER AND IAQ ASSESSMENT -**

Tri-Dim offers a complimentary assessment by a factory-trained sales professional to document your current conditions and offer upgrades in your program that will improve efficiencies and save money.

## **Seminars and Education Programs**

- Tri-Dim also offers complimentary Seminars and Educational Programs that are offered in convenient regional settings as well as in-house. Our entertaining and knowledgeable staff offers topics from basic information to the advanced.

**TEST LABORATORY** - Tri-Dim has an ASHRAE 52.2 Test Duct and an ASHRAE 52.1 Test Duct as well as other analytical equipment to do an endless variety of tests and analysis on air filters. All of these services are available to our customers.

## **NATIONAL ACCOUNT PROGRAM -**

Tri-Dim offers a comprehensive package of services to our National Account Partners – these services include implementation, mapping, reporting, connectivity, cost savings, local sales representatives, corporate communication, etc. Contact us for more details.

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

Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.



**TRI-DIM**  
FILTER CORPORATION  
**TRI-DIM FILTER CORPORATION**

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