Innovative Filtration Solutions
Product Overview
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WELCOME
Tri-Dim Filter Corporation was founded 50 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 with the 2018 merger with MANN+HUMMEL, Tri-Dim is now in position to become the global 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.

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PRODUCT ICONS

- MERV 13 or higher, LEED compliant
- Environmental Series Filter
- Post Consumer Recycled Content
Ultra XV Series

ULTRA XV 16/99 PLUS
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, and light weight.

ULTRA 6
A 6” deep filter available in a plastic frame with a single header and in a mix style with MERV 15, MERV 13 and MERV 11 efficiencies. Features include high efficiency, low resistance, light weight, reduced shipping, storage and disposal cost.

ULTRA XV/XE
The 8 and 4-Panel version of the Ultra - available in efficiencies of MERV 13, MERV 15 and MERV 16 (8-Panel only). Ultra filters offer high initial efficiency that has been tested per Appendix J, extremely low pressure drop, energy savings, light weight, and long service life.

ULTRA XP
Extended surface bag filter utilizing Ultra media - offered in MERV 14, MERV 15 and MERV 16+ 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
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™ 4 HIGH EFFICIENCY FILTERS
Synthetic media and a plastic frame (both box and header style) offered in MERV 11, MERV 13 and MERV 14 efficiencies.
Ultra High Efficiency Products

**TRI-PURE™ TERMINAL MODULE**
Features 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 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 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 & TRI-PURE™ MPX HEPA**
Mini-pleat HEPA filters with many advantages over traditional separator-style HEPA filters.

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

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

**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 V-Cell Products

**PREDATOR SERIES**
Available in 8 or 4 panel versions which offer an economical alternative to conventional box and rigid filters. Predator offers high efficiency and is available in MERV 11, MERV 13, MERV 14 and MERV 16 efficiencies. Easy disposal and performance in real world applications that match test results, Predator also offers significant energy savings over conventional filters.

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

**PREDATOR CUBE FILTERS**
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 & Thin-Line Products

TRI-CELL™ ASHRAE FILTERS
Available in an array of styles to meet your needs. Tri-Cell HT is for high temperature applications ranging from 350°F - 900°F. Tri-Cell MIF is engineered to handle machine intake applications and Tri-Cell ASHRAE is designed for environments where high efficiency filtration is needed.

TRI-CELL™ R & SYN-PAC™ R RIGID FILTERS
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 SynPac R is constructed of synthetic media.

TRI-CELL™ THIN LINE FILTERS
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.

ULTRA GREEN
A mechanical MERV 10 cleanable filter with ultra low resistance, which is reusable for up to two years with proper cleaning.
High Efficiency Bag Filters

**SYN-PAC™ XL II HYBRID BAG FILTERS**
A solution to the real world problem of efficiency degradation in electrostatically-enhanced media. 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 one initial efficiency of 98.9% and a bacterial efficiency rating of 98.87%. The filter of choice in applications where extraordinary efficiencies are required.

**SYN-PAC™ E SYNTHETIC BAG FILTERS**
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 rated UL Class 1 per UL Standard 900.

**SYN-PAC™ A SYNTHETIC BAG FILTERS**
Available in efficiencies of MERV 12 (60-65%), MERV 14 (80-85%), MERV 15 (90% and 95%). Syn-Pac filters offer high performance for sensitive applications.

**TRI-SAC™ FIBERGLASS MEDIA BAG FILTERS**
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 Efficiency
TRI-DEK® Products

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

**TRI-CUBE™ CUBE FILTERS**
Available with either a self-sealing or 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-DEK® E PANEL FILTERS**
Tri-Dek E is an economy 2-ply panel and link filter developed for the upgrade and replacement of traditional fiberglass disposable filters, in applications where a cost-effective solution is required.

**TRI-CUBE™ REVERSE FLOW CUBE FILTERS**
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**
A full range of extended surface pleated air filters in MERV 7 efficiency. Models include Tri-Pleat ES40E economy pleated filters, Tri-Pleat ES40LE and ES40ME.

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

**TRI-PLEAT™ ES60 SERIES**
Utilizes a fiberglass media and offers a MERV 11 (60-65%) efficiency. Tri-Pleat ES60 is available in standard and high capacity versions.

**TRI-PLEAT™ XM10 AND XM10 MAX FILTERS**
Features MERV 10 efficiency, no metal components, low pressure drop and mechanical media. Available in either 2” or 4” depths.

**TRI-PLEAT™ ULTRA SERIES**
Our mechanical MERV 9 filters with low resistance are available in 1”, 2” and 4” depths in either standard or high capacity versions using synthetic media.

**TRI-PLEAT™ HT60**
A high temperature version engineered to operate at temperatures up to 500 °F and provide MERV 12 efficiency.

**TRI-PLEAT™ GREEN FILTERS**
Offers an easy way to retrofit from current filtration to MERV 13 in order to achieve valuable LEED points. Available in either 2” or 4” depths.

**TRI-PLEAT™ ULTRA XT**
An extra tough pleated filter for the most demanding of applications. Tri-Pleat Ultra XT combines MERV 9A efficiency and a long service life.
Low/Medium Efficiency Products

**TRI-GLASS™ DISPOSABLE**
A complete line of disposable filters that include fiberglass and synthetic media.

**CARTRIDGE FILTERS**
Tri-Cap™, Tri-Flo™, Tri-Flo™ P and Tri-P™ cartridge filters for installation into internally supported wire basket retainers.

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

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

**AUTO ROLL FILTERS**
Available for replacement into all OEM automatic roll machines. Offered in four different media types and all sizes.

**TRI-DEK® MEDIA PADS & ROLLS**
Available in a wide range of efficiencies and depths – including MERV 8 efficiency to meet LEED requirements.
Molecular Filtration Products

**TRI-SORB™ MOLECULAR FILTERS**
Available in media pads, bulk rolls, pads in die-cut frames, and triple stage filters in a die-cut frame. Media loadings range from 55 to 900 gr/ft².

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

**TRI-SORB™ PLEATED FILTERS**
The Tri-Sorb pleat line offers many options for different applications. The XL line offers MERV 8 efficiency and high odor removal. While the M13 features MERV 13 performance with high odor removal.

**TRI-SORB™ RIGID BOX FILTERS**
Tri-Sorb R and R15 offer both molecular and particulate filtration, with the R15 providing MERV 15 performance. Tri-Sorb V is a V-cell that has a large quantity of carbon with a low operating resistance.

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

**TRI-SORB™ CUBE FILTERS**
Tri-Dim offers a complete line of bulk carbon medias, refillable carbon trays, modules and housings.

**TRI-SORB™ VH & V M15**
Tri-Sorb VH is a V-cell filter with 24 lbs of bulk carbon packed into its honeycomb panels. Tri-Sorb V M15 delivers MERV 15 performance and high gas phase removal with low resistance in a V-cell configuration.

**TRI-SORB™ BULK CARBON, TRAYS, MODULES & HOUSINGS**
Tri-Sorb Cube filters offer molecular filtration in a cube filter.
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.

**TRI-KLEEN™ SERIES AIR CLEANING EQUIPMENT**
Tri-Kleen is a range of air purification models utilizing HEPA with UV. These versatile units can convert patient rooms into CDC-compliant, negative pressure isolation rooms, or be used as a continuous recirculating air purifier to lower airborne pathogen counts in high risk areas such as ER waiting rooms, patient treatment areas and surgical centers.

**LP™ SERIES LOW PROFILE AIR CLEANER**
A low profile 600 or 1000 CFM air cleaning system designed for above-ceiling installations, LP Series controls smoke, particulate and odors. Features include UV lights, in-room filter access, various filter options, low noise levels and high air flow.
Filter Housing Products

**TRI-MET™ ASHRAE HOLDING FRAMES**
Available in two styles – the Tri-Met TML universal holding frame and the Tri-Met TMB (Type 8) holding frame – and in a variety of metals and depths. Tri-Dim also offers a full line of filter retaining clips for use with our Tri-Met holding frames.

**TRI-MET™ ASHRAE HOUSINGS**
Available in a wide variety of styles, including: 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 with increased filter area; the Tri-Met SA – to hold two stages of filters (a 2” or 4” prefilter, and a 1” final filter track); and a Tri-Met Carbon SA for carbon trays.

**TRI-LOCK™ HF & HF4 – HEPA HOLDING FRAMES**
Available for either gel sealed or gasket sealed HEPA filters, Tri-Lock HF and HF4 are available in galvanized or stainless steel with all joints continuously welded.

**TRI-LOCK™ HEPA HOUSINGS**
Available with side access as the Tri-Lock SB Swing Bolt (gasket seal), the Tri-Lock GS (gasket seal) or the Tri-Lock FS (gel seal). Also available in bag-in/bag-out format as 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 bypass free filter change is required – such as in pharmaceutical or biotech applications.
Spray Booth
Filtration Products

**TRI-DEK® PANEL FILTERS**
Available in panel and links for filtration of intake air.

**TRI-CUBE™ FILTERS**
Extended surface intake filtration.

**THREE-STAGE AEROSPACE 319 FILTERS**
A range of final filters approved for use in three-stage Chromate paint systems, including Syn-Pac 85A 319, Syn-Pac 95A 319, ULTRA 6 319 and ULTRA 16/99 319.

**TWO-STAGE AEROSPACE 319 FILTERS**
Pre- and final filters approved for use in two-stage Chromate paint systems, including Tri-Cube 319, Tri-Cube 319+ and Tri-Pleat 319.

**TD-700-8™ FILTERS**
Ceiling-diffusion panel and media filters.

**TR-1™ FILTERS**
Diffusion panel and media 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.

**PA-201™ FILTERS**
Fiberglass paint arrestor filters.
Additional Products

**TRI-KLEEN HVAC EXTENDED CARE**
A dirty HVAC system creates a number of problems. Tri-Kleen is a series of products that helps you bring your HVAC system back under control.

**LIQUID FILTRATION**
Tri-Dim offers a full line of filtration products and housings for every application.

**V-BELTS FOR HVAC APPLICATIONS**
Tri-Dim offers a full line of high quality continental belts for all HVAC applications.

**ATMOSAIR® PURIFICATION SYSTEMS**
AtmosAir compliments Tri-Dim’s filters by actively working in the space where we live and play. AtmosAir reduces odors, particles, VOCs and microorganisms, while improving filter efficiencies and reducing energy use and emissions.

**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

Our service division continues Tri-Dim’s tradition of innovation by providing a full range of products and services that 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’s about creating optimal work conditions by providing the highest quality of products and services.

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 IAQ testing.

IAQ TESTING
How do you know if you have an indoor air quality (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 testing indoor air is an integral part of any IAQ program. Tri-Dim can perform a variety of IAQ testing and process the cultures at an independent laboratory.

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 to 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 almost 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 and more. Contact us for further 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 products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.