



# AIR FILTRATION PRODUCTS BROCHURE



## COMMERCIAL & INDUSTRIAL

# BASIC EFFICIENCY



# Purolator™

## Premier source for air filtration for home, commercial, industrial, & institutional applications

CLARCOR Air Filtration Products, Inc. (CLC Air) was founded in 1964 and manufactures HVAC filtration products under the Purolator brand name. Since its founding, Purolator air filtration products has provided its customers with high quality air filtration solutions and the best brand name recognition in the HVAC industry. Purolator products can be found everywhere; in retail outlets, commercial buildings, office complexes, industrial plants, healthcare facilities, schools, universities, and public and government buildings.



### F312

- Disposable fiberglass 1" & 2" panel filters
- Safe, fast, easy installation
- Wide selection of standard sizes
- Ideal for residential, commercial or light industrial use



### P312

- 1" & 2" filters perform well in areas of high lint and dust content
- High velocity system pre-filter
- Monobond frame option for warehouse and freight cost savings
- Ideal for residential, commercial or light industrial use



### Pad & Frame System

- Simple to use
- 18 gauge construction for heavy duty use
- Long service life
- Maintenance free
- Various pad sizes and materials



### Automatic Roll

- Perfect for high dust loading applications
- For use with AAF Roll-O-Matic, Continental Conomatic, Farr Roll-Kleen, Cambridge Electro-Aire, and Trane Equipment
- Fiberglass or Synthetic

## SPECIALTY ITEMS



### Puro-frame & Puro-clips

- Sheared, deburred preformed edges
- Multiple notches allow various filter/clip installations
- 16 gauge galvanized steel 3" holding frame
- Assorted clips



### Cut-It-Yourself

- Synthetic / Foam / Fiberglass / Aluminum Pads
- Fits virtually all window air conditioning units
- Easy installation / Convenient disposal
- Washable / Reusable (except fiberglass)



### Permalast® Rolls

- Strong, coarse polyester fibers requiring no frame
- Latex coated with scrim back
- Wash or vacuum to clean
- Trim-to-fit with household scissors
- Excellent on heavy lint concentrations



### Bulk Fiberglass Media

- Utility glass for light industrial, commercial, and residential use
- Blue laminated glass for heavy industrial & commercial applications
- Window unit glass
- Paint arrestor glass for paint overspray in air exhaust systems
- Tint on air entering side for proper installation



### Paint Arrestors

- Designed to simplify maintenance / cleanliness of paint booths
- Fiberglass media or paper available
- Entire pad is utilized eliminating splatter and release of contaminants

# MEDIUM EFFICIENCY



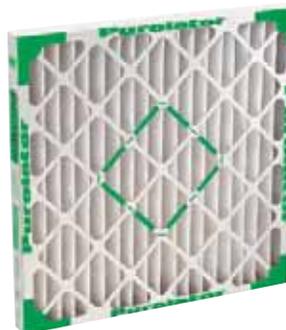
## DEFIANT® MARK80-D® High-Capacity Pleated Air Filter

- Mechanical MERV 8
- Low initial resistance for energy savings
- High dust holding capacity
- Available in 1", 2", or 4"
- 100% synthetic media
- Double wall frame construction



## Hi-E® 40 Pleat

- 100% synthetic media
- MERV 8 performance
- Available in 1", 2" and 4"
- Stronger adhesive with more bonding points
- Lower initial resistance for energy savings



## Puro-green®

- 100% synthetic media
- Offered in 1", 2" and 4" thickness
- LEED/Green compliant
- MERV 13 performance
- Moisture resistant beverage board



## Key Pleat®

- Self-supported pleated filters
- MERV 8/8A
- 100% synthetic media
- 16.4 (HC), 10.16 (SC) pleats per foot (2")
- 1", 2", 4" High Capacity
- 1", 2" Standard Capacity
- No metal - fully incinerable



## PAF11

- PAF11: MERV 11
- Self-supporting, extended surface, pleated air filter
- Electrostatic media removes more airborne particles



## Mono Pleat

- Economical, high capacity replacement for 1" disposable panel
- One-piece wrap-around frame
- Residential, commercial or light industrial use



## High Temp Pleat

- MERV 8
- High Temp: Constructed to operate at 500°F



## Purolator 2000/P5 & P1200

- Replacement filter for home heating/air cooling system cleaners: Research Products Corp. *Space-Gard*®, *Trion's Air Bear*®
- Reduces dust accumulation, allergy causing irritants, greasy and oily buildup
- Reduces maintenance costs



## P25

- MERV 8
- Replacement cartridge for Honeywell F25
- 95% efficiency on 5 microns and larger
- Moisture resistant frame with double wall construction



### Hi-E® 40 CB

- Combination media removes particulate plus gases and odors
- MERV 8 performance
- Loaded with 200 grams of carbon
- 30-35% efficiency
- Dual-layer, electrostatically charged media



### MPSG 2200/2250

- Replaces Space-Gard 201



### MPSG 2400

- Replaces Space-Gard 401



### PURO CELL Carbon-Loaded Rigid Box Filter

The PURO CELL filter is a rigid box-type filter engineered to provide medium and high-efficiency filtration combined with adsorbents for gaseous control. Its construction eliminates the need for retainers and special external wire media supports. A high surface area-to-depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space. These carbon-loaded pleated box filters clean the air by removing airborne molecular contaminants present at levels less than one part per million.

End users include critical manufacturing industries (including pharmaceuticals, microelectronics and cleanrooms) that require top-quality air filtration products like the PURO CELL filter to remove low level concentrations of gases.



### ATI Activator Panels

- Designed for applications with high humidity or varying temperature conditions
- 2-ply & 3-ply options
- Excellent pre-filter for higher efficiency bag and box filters
- Moisture resistant
- Eliminates air bypass



### ATI Streamline

- Polyester media
- 2-ply & 3-ply options
- Moisture resistant
- Eliminates air bypass



### ATI Ultra II Bags

- MERV 8
- Double layer of polyester media with tackifier on downstream side increases dirt holding capacity, prevents fiber migration



# HIGH EFFICIENCY



## DEFIANT® Cell Rigid Box Filters

As with the other DEFIANT products, the DEFIANT Cell media has multiple top-performance characteristics to provide optimum filter service life and lower maintenance and energy costs. The DEFIANT Cell filter is constructed with a strong, corrosion-resistant galvanized frame. To prevent air bypass, the filter pak is sealed to the frame on all sides. Filter integrity is maintained by galvanized steel stabilizers on both the air entry and exit sides of the pak. The DEFIANT Cell filter will operate to a final pressure drop of 1.5" W.G. DEFIANT Cell filters come in MERV 13, 14 and 15.



## AERO-CELL™ High-Efficiency Rigid Air Filter

AERO-CELL is a rigid air filter engineered to provide medium and high efficiency filtration combined with a prolonged life cycle. The box filter construction eliminates the need for retainers and special external wire media supports. The AERO-CELL configuration features a strong, corrosion-resistant galvanized steel frame. To prevent air bypass, the filter pak is sealed to the frame on all sides. Filter integrity is maintained by galvanized steel stabilizers on both the air entry and exit sides of the media pak. The Purolator AERO-CELL filter is available in fiberglass or synthetic media. The AERO-CELL filter will operate to a final pressure drop of 1.5" W.G. deterioration.



## SERVA-CELL® Family of Filters

Purolator's SERVA-CELL filter is a rigid air filter engineered to provide medium and high efficiency filtration combined with a prolonged life cycle. The box filter construction eliminates the need for retainers and special external wire media supports. The rugged design and materials of construction make the SERVA-CELL filter effective in challenging applications where high humidity, turbulent airflow, intermittent water exposure, and elevated operating temperatures are present.

A high surface area-to-depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space. SERVA-CELL filters will operate to a final pressure drop of 1.5" W.G. deterioration. They are especially suited for Variable-Air-Volume (VAV) or cycled HVAC systems.



Patent #6,685,833\*

## DOMINATOR® Rigid Cell Extended Surface Filter

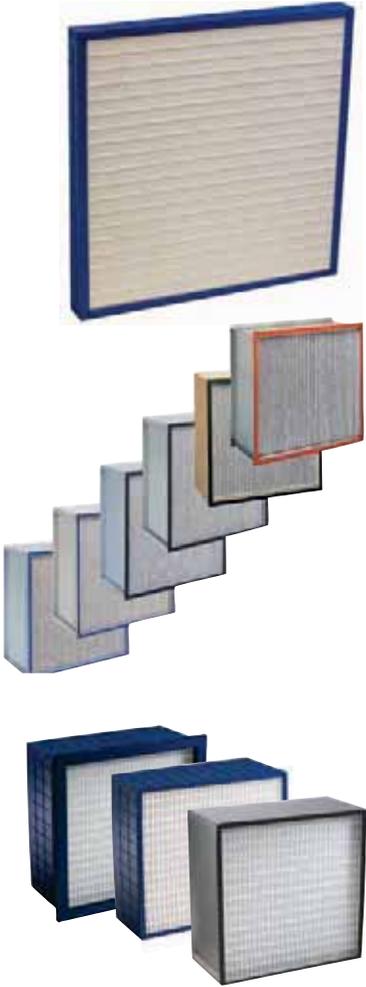
DOMINATOR high efficiency filter is a perfect sustainable component for your next LEED/Green Building initiative. The DOMINATOR 4" is MERV 11 and the 12" is MERV 11 & 15 (Standard 52.2 Minimum Efficiency Reporting Value) with extremely low initial resistance characteristics. MERV 14 & 15 is hospital compliant for full patient care. The DOMINATOR will help you increase your overall filter efficiency to exceed LEED efficiency requirements of MERV 13, while maintaining or lowering your energy costs. The DOMINATOR has very low resistance, high dust-holding capacity and is light weight with an all plastic construction. DOMINATOR filters are manufactured with our E-pleat® proprietary media.



Patent #6,685,833\*

## DOMINATOR® LoadTech™ Rigid Cell Extended Surface Filter

DOMINATOR LoadTech filters are manufactured with our E-pleat® proprietary media. The DOMINATOR 4" is MERV 14 and holds 2X more dust with 100% synthetic, exclusive, blue media with our LoadTech Embossed Design. The filter has a longer filter life and fewer filter change-outs with higher dust holding capacity and has 12" filter performance in a 4" filter. The DOMINATOR LoadTech will increase your cost savings by reducing energy costs with low pressure drop and low energy consumption. The DOMINATOR LoadTech offers simplified handling and easy installation plus reduced storage space, less weight and lower shipping costs. The filter is completely incinerable with high impact plastic frame and lightweight construction.



**PRIME ONE® High Efficiency 2" Mini-Pleat Filters**

The PRIME ONE is a 2" deep mini-pleat filter that provides outstanding particulate removal efficiency and service life. Ideal for any application where 2" pleated filters are currently in use. PRIME ONE is MERV 16/14A for improved air quality in occupied spaces without significant reduction in air flow. It is available in 4 sizes. A high-impact polystyrene (HIPS) frame ensures durability of the assembled filter throughout its service life.

**ULTRA-CELL® HEPA Filters**

Purolator's ULTRA-CELL HEPA filter products are high efficiency aluminum separator style filters, except for the ULTRA-CELL "V" Pleat. They are manufactured for environments requiring 95% minimum efficiency on .3 micrometer particles, 99.97% efficiency on .3 micrometers, or 99.99% efficiency on .3 micrometers (scan tested to assure no leak shall exceed 0.01% of the upstream challenge).

The media is a continuous sheet of non-combustible, waterproof, microfiberglass. Each is available in a variety of frame materials—16-gauge galvanized metal, stainless steel, fire retardant particle board, or extruded anodized aluminum. Customers may choose a gasket seal (urethane material) or fluid seal (Puro-gel) option. High temperature models are also available. Each is offered in various filter face sizes and two depth sizes—5<sup>7</sup>/<sub>8</sub>" and 11<sup>1</sup>/<sub>2</sub>".

**ULTRA-CELL® LR 99% Plus Efficiency Filters**

The Ultra-Cell LR is 99%-Plus Efficiency on 0.3 micrometer particles. It is available in High-Impact Plastic (HIPS) cell side model and in header box-style with metal cell sides. The LR uses propriety media and "Embossed Pleat" (E-pleat™) technologies. The LR has a 0.53 w.g. initial resistance (box construction) and is available in 4 sizes. Ultra-Cell LR has standard Dove-tail interlocking gasketing.



**MICROPAK® Cleanroom Products**

Purolator's family of MICROPAK cleanroom filters provide a wide range of products for the cleanroom user or the design engineer. MICROPAK cleanroom filter products have a range of filter efficiency from 99.99% scan tested at .3 microns to 99.9995% at .12 micrometers.



**ASHRAE, HEPA, and Bag-In/Bag-Out Housings**

Purolator's wide range of ASHRAE and HEPA housings are manufactured using stainless or galvanized steel construction materials depending upon customer requirements. These housings include: ASHRAE Side Access, Flat or V-Bank Assembly, Bag-In/Bag-Out HEPA fluid and gasket seal, HEPA Side Access fluid and gasket seal, and Carbon Side Access configurations.

- Fully gasketed doors with positive lock door latches
- Double wall construction with corner gussets along the upstream side
- Intermittently welded seams sealed with silicone compound
- Center stabilizer bars on models wider than 24"
- Weatherproofing & Insulation

# HIGH EFFICIENCY



## Nano-Pak® Bag Filters

- Revolutionary, patented NanoWave® synthetic media
- High mechanical filtration performance over the life of the filter
- High loft media optimized for the highest dust holding capacity
- Low pressure drop
- Low energy costs
- Resistant to humidity and moisture
- Two efficiencies –  
MERV 16  
MERV 15

NanoWave® is a registered trademark of Hollingsworth & Vose Company.



## DEFIANT® Bag Filters

- Exclusive, patented synthetic media with T-Flo® technology.
- Holds more dust with a lower pressure drop than Serva-Pak S
- Lower resistance than Serva-Pak S
- Resistant to humidity and moisture
- Two efficiencies –  
MERV 15  
MERV 14

T-Flo® is a registered trademark of Transweb.



## SERVA-PAK™ S Bag Filter

- Commodity synthetic media that's electrostatically enhanced
- Resistant to humidity and moisture
- Four efficiencies –  
MERV 15  
MERV 14  
MERV 12  
MERV 11



## SERVA-PAK™ Bag Filters

- Ultrafine, high loft, microglass media
- Wide variety of pocket lengths and counts
- Fail safe mechanically staked pocket attachment
- Double lock stitched pocket formation
- Four efficiencies –  
MERV 15 (90 - 95%)  
MERV 13 (80 - 85%)  
MERV 12 (60 - 65%)  
MERV 11 (50 - 55%)

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