

# AIR FILTER SELECTION GUIDE



# FILTER SELECTION OPTIONS

## HVAC Applications

Typical Applications	Type of Air Handling Equipment	Typical Air	
		Pre-filters	Purolator Product Selection
<b>Residential</b> Apartments, Condominiums Single Family Homes	Room Air Conditioners Residential Furnace & Air Conditioning Units	Not Applicable	Not Applicable
<b>Light Commercial</b> Hotels, Motels (Sleeping Rooms) Light Industrial Nursing Homes Schools (Classrooms) Small Office Buildings	Light Commercial Heating & Air Conditioning Units Packaged Terminal Air Conditioners Unit Ventilators Fan Coil Units	Not Applicable	Not Applicable
<b>Commercial, Industrial, Institutional</b> Airports Auditoriums Banks Bars, Cocktail Lounges Bowling Alleys Casinos Commercial Buildings Correctional Facilities Electric Utilities Food Processing Government Buildings Health Care Facilities Inpatient Care, Administrative, Sterile Processing, Food Processing, Storage, Soiled Holding Areas Hotels (Public Spaces) Industrial Plants - Offices, Plant Air Institutional Facilities Museums Residential (High Rise) Restaurants, Cafeterias Retail Stores, Super Markets Schools, Universities Sports Arenas, Gymnasiums Theaters Train Stations, Bus Depots Warehouses, Storage Areas	Rooftop Air Handling Units Central Station Air Handlers Built Up Frame Banks Side Access Housings	Disposable Panel Filters Pleated Filters  Filter Media & Frames Ring Panels, Links Poly Cube Filters Automatic Roll Filters	F312, P312 Defiant Mark 80-D, Hi-E 40, PAF 11, Puro-g13een, Key Pleat StreamLine Series N Ultra II, SynPak Fiberglass, Synthetic
<b>Sensitive Processes</b> Health Care Protective Environment Rooms, Airborne Infection Isolation Rooms, Surgical Suites Labs Microelectronics, Semiconductor Pharmaceutical Production Photo Film Research Facilities Universities	Rooftop Air Handling Units Central Station Air Handlers Built Up Frame Banks Side Access Housings	Disposable Panel Filters Pleated Filters  Filter Media & Frames Ring Panels, Links Poly Cube Filters Automatic Roll Filters	F312, P312 Defiant Mark 80-D, Hi-E 40, PAF 11, Puro-g13een, Key Pleat StreamLine Series N Ultra II, SynPak Fiberglass, Synthetic



### Ducted Ceiling Modules

- Low profile design - only 5" deep
- Roomside adjustable diffuser
- Anodized extruded aluminum construction



### Dominator® LoadTech™ High Efficiency Rigid Cell Extended Surface Filters

- MERV 14
- Sustainable Component for a LEED/Green Building Initiative

### Dominator® High Efficiency Rigid Cell Extended Surface Filters

- MERV 11 & 15
- Sustainable Component for a LEED/Green Building Initiative




### MicroPak® HEPA, ULPA Filters

- 99.99%, 99.999%, 99.9995% efficiencies
- Mini-pleat media pack
- Anodized extruded aluminum cell sides
- All cell side configurations - gasket seal, gel seal, knife edge

### Ultra-Cell® HEPA, ULPA Filters

- 99.97%, 99.99%, 99.999% efficiencies
- Separator style media pack
- Wood or metal construction
- Individually tested



Patent #6,685,833 

Patent #6,685,833 

Filter Products	
Final Filters	Purolator Product Selection
Disposable Panel Filters Pleated Filters (1") Polyurethane Foam Latex Coated Natural Fiber	P312, F312 Defiant Mark 80-D, Hi-E 40, PAF 11 Foam Media Permalast
Pleated Filters  Ring Panel Filters Slip-Ons Filter Media & Frames	Defiant Mark 80-D, Hi-E 40, PAF 11 Puro-g13een, Key Pleat Series N Slip-Ons StreamLine
Extended Surface Pocket Filters (50 - 90%) Extended Surface Rigid Cell Filters (60 - 95%)	Nano-Pak, Defiant, Serva-Pak S, Serva-Pak Serva-Cell, Serva-Cell Compact, Serva-Cell Mini Pleat, Serva-Cell 2VS, Serva-Cell PV, Aero Cell, Dominator LoadTech 4", Dominator 4" and 12"
Extended Surface Pocket Filters (50 - 90%) Extended Surface Rigid Cell Filters (60 - 95%)  HEPA, ULPA Filters Disposable Ducted Ceiling Modules Replaceable Filter Ceiling Modules	Nano-Pak, Defiant, Serva-Pak S, Serva-Pak Serva-Cell, Serva-Cell Compact, Serva-Cell Mini Pleat, Serva-Cell 2VS, Serva-Cell PV, Aero Cell Ultra-Cell, MicroPak Mini MicroPak Disposable Module MicroPak Permanent Hood



- Disposable Panel Filters**
- Fiberglass and synthetic media
  - High strength pinch frame construction
  - Space saving nested packaging



- Ring Panel Filters**
- Select from four styles
  - Tackified media for high dust holding capacity, long service life
  - MERV 6 to 7



- Hi-E<sup>®</sup>40 and Defiant<sup>®</sup> Mark 80<sup>®</sup>-D Pleated Filters**
- High wet strength beverage board frame
  - Durable double wall construction
  - Mechanical MERV 8



- Puro-g13een<sup>®</sup> Pleated Filters**
- LEED/Green Compliant
  - 100% synthetic media
  - MERV 13



- Key Pleat<sup>®</sup> Pleated Filters**
- MERV 8 standard and high capacity
  - 100% synthetic media
  - Self supported
  - Damage resistant
  - No metal
  - Fully incinerable



- PAF 11 Pleated Filters**
- Highest initial and average efficiency with electrostatically enhanced, needled media
  - MERV 11

- Serva-Cell<sup>®</sup> PV High Capacity Rigid Cell Filters**
- Mini-pleat media pack design for low resistance
  - Rigid all plastic construction
  - Dura-Tuff<sup>™</sup> 100% synthetic media



- Ultra II Self-Supported Pocket Filters**
- Cube style and multi-pocket models
  - Durable, moisture resistant polyester media
  - Outstanding service life



- Serva-Cell<sup>®</sup> High Efficiency Rigid Cell Filters**
- Rigid cell design for difficult operating conditions
  - Moisture resistant construction
  - Three efficiencies



- Complete Line of Purolator Bag Filters**
- Nano-Pak<sup>®</sup>  
Defiant<sup>®</sup>  
Serva-Pak S<sup>™</sup>  
Serva-Pak<sup>™</sup>**

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## Filter Efficiency Selection

Efficiency	MERV	Filter Type	Purolator Product Selection
Less Than 20%	MERV 1 - 4	Disposable Panel Filters Permanent Metal Filters Fiberglass Media Latex Coated Natural Fiber Media Foam Media	Disposables PFAM Utility Glass Permalast Foam Media
Less Than 20%	MERV 3 - 4	Automatic Roll Filter Media	Autorolls
20 - 30%	MERV 6 - 7	Synthetic Media Ring Panel Filters Pleated Filters	StreamLine Polyester Media Activator Series (2 Ply, 3 Ply), Series N Hi-E 40AM, Mono Pleat, Key Pleat
30 - 40%	MERV 7 - 8	Self-Supported Pocket Filters Pleated Filters	Ultra II Bags, Hi-E40, Hi-E40H, PAF11 (Merv11), Hi-E40I, Hi-E40CB, Defiant Mark 80-D, Key Pleat
50 - 60%	MERV 9 - 10	Extended Surface Rigid Cell Filters	Aero Cell and Aero Cell 50%
60 - 70%	MERV 10 - 11	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Serva-Pak 50%, Serva-Pak S 50% Serva-Cell 65%, Serva-Cell, Compact Series, Serva-Cell Mini Pleat 65%, Serva-Cell 2Vs, Serva-Cell PV 65%, Aero Cell 60%, Aero Cell 60% Synthetic, Dominator 4" and 12"
70 - 80%	MERV 12 - 13	Extended Surface Pocket Filters Pleated Filters	Serva-Pak 65%, Serva-Pak S 65% Puro-g13een
80 - 90%	MERV 13 - 14	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Defiant 85%, Serva-Pak 85%, Serva-Pak S 85% Serva-Cell 85%, Serva-Cell Compact 85%, Serva-Cell Mini Pleat GI 85%, Serva-Cell 2Vs, Serva-Cell PV 85%, Dominator LoadTech 4", Aero Cell 85% FG and SYN
90 - 95%	MERV 14 - 15	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Nano-Pak 95%, Defiant 95%, Serva-Pak 95%, Serva-Pak S 95%, Serva-Cell 95%, Serva-Cell Compact 95%, Serva-Cell Mini Pleat 95%, Serva-Cell 2Vs, Serva-Cell PV 95%, Dominator 12", Aero Cell FG and SYN 95%
95% DOP	MERV 16	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Nano-Pak 98% Ultra Cell 95%, Serva-CELL PV
99.97% 99.99% 99.999% 99.9995%	NA	HEPA/ULPA Filters	Ultra Cell, MicroPak Ducted Disposable, Ultra Cell V

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