



# AIR FILTER SELECTION GUIDE



**BAGS**



**RIGIDS**



**PLEATS**



Patent #6,685,833



**CUSTOMS**



**HEPA**

# FILTER SELECTION OPTIONS

## HVAC Applications

Typical Applications	Type of Air Handling Equipment	Typical Air	
		Pre-filters	Airguard 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 Self-Supported Pocket Filters Automatic Roll Filters	Tri-plex 85 DP, DP Max, PowerGuard, DP-g13een, Xtreme+Plus Bio-Pure, StreamLine (Synthetic), Fiberglass Series N, Bio-Pure, 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	Tri-plex 85 DP, DP Max, PowerGuard, DP-g13een, Xtreme+Plus Bio-Pure, StreamLine (Synthetic), Fiberglass Series N, Bio-Pure SynPak Fiberglass, Synthetic

### Ducted Ceiling Modules

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



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

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



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

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



### MicroPleat™ 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

### Micro Guard® HEPA, ULPA Filters

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



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**Filter Products**

Final Filters	Airguard Product Selection
Disposable Panel Filters Pleated Filters (1") Polyurethane Foam	Trip-plex 85 DP, DP Max, PowerGuard, Xtreme+Plus Poly Foam Permalast
Disposable Panel Filters Pleated Filters Ring Panel Filters Slip-Ons Filter Media & Frames	Tri-plex 85 DP, DP Max, PowerGuard, Bio-Pure, DP-g13een, Xtreme+Plus Series N, Bio-Pure Slip-Ons StreamLine (Synthetic), Fiberglass
Extended Surface Pocket Filters (50 - 90%) Extended Surface Rigid Cell Filters (60 - 95%)	Nano-Pak, Defiant, Clean-Pak, Venti-Pak Variflow, Variflow SC, Variflow II, Variflow II-M, Variflow II-MC, Vari+Plus, Vari-Pak, Vari-Pak S, Legacy LoadTech 4", Legacy 4" and 12", Bio-Pure
Extended Surface Pocket Filters (50 - 90%) Extended Surface Rigid Cell Filters (60 - 95%)  HEPA, ULPA Filters Disposable Ducted Ceiling Modules Replaceable Filter Ceiling Modules Fan / Filter Units	Nano-Pak, Defiant, Clean-Pak, Venti-Pak Variflow, Variflow SC, Variflow II, Variflow II-M, Variflow II-MC, Vari+Plus, Vari-Pak, Vari-Pak S, Bio-Pure Micro Guard (Separator Style), MicroPleat (Mini Pleat) MicroPleat Micro+Plus MicroPleat

**Vari+Plus® VP High Capacity Rigid Cell Filters**

- Mini-pleat media pack design for low resistance
- Rigid all plastic construction
- Dura-Tuff™ 100% synthetic media



**Ultra II  
Self-Supported  
Pocket Filters**

- Cube style and multi-pocket models
- Durable, moisture resistant polyester media
- Outstanding service life



**Variflow® High Efficiency  
Rigid Cell Filters**

- Rigid cell design for difficult operating conditions
- Moisture resistant construction
- Three efficiencies



**Complete Line of  
Airguard® Bag Filters**

**Nano-Pak®  
Defiant®  
Clean-Pak™  
Venti-Pak®**



**Purolator™ 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



**Xtreme+Plus® Pleated Filters**

- MERV 8 standard and high capacity
- 100% synthetic media
- Self supported
- Damage resistant
- No metal
- Fully incinerable



**DP-g13een®**

**Pleated Filters**

- LEED/Green Compliant
- 100% synthetic media
- MERV 13



**DP® and DP Max  
Pleated Filters**

- High wet strength beverage board frame
- Durable double wall construction
- Mechanical MERV 8



**PowerGuard® Pleated Filters**

- Highest initial and average efficiency with electrostatically enhanced, needled media
- MERV 11

# AIR FILTER SELECTION GUIDE

## Filter Efficiency Selection

Efficiency	MERV	Filter Type	Airguard Product Selection
Less Than 20%	MERV 1 - 4	Disposable Panel Filters Permanent Metal Filters Fiberglass Media Latex Coated Natural Fiber Media Foam Media Automatic Roll Filter Media	Purolator Disposables Types HS, HD Standard Grade Permalast Foam Media Types CF, DSF
Less Than 20%	MERV 5	Disposable Panel Filters Automatic Roll Filter Media	Tri-Plex 85 Types YTS, SHP, DMC, DL-1, DL-2
20 - 30%	MERV 6 - 7	Synthetic Media Ring Panels  Pleated Filters	StreamLine Polyester Media Activator Ring Panels, Activator Series (2 Ply, 3 Ply), Series N, Bio-Pure DP4-SA, Bio-Pure
30 - 40%	MERV 7 - 8	Self-Supported Pocket Filters Pleated Filters	Ultra II, SynPak DPGT, DP-40, DP Max, PowerGuard (MERV-11), DPHT, Fresh Air, Fresh Air Supreme, Xtreme+Plus
50 - 60%	MERV 9 - 10	Pleated Filters Extended Surface Rigid Cell Filters	DP-65 (MERV 11) Vari-Pak, Vari-Pak Model S
60 - 70%	MERV 10 - 11	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Clean-Pak CP-5, Venti-Pak VP-5 Variflow, Variflow SC, Variflow Compact Series, Variflow II, Variflow II-M, Variflow II-MC, Vari+Plus, Vari-Pak, Vari-Pak Model S, Bio-Pure, V-Force, Legacy 4" and 12"
70 - 80%	MERV 12 - 13	Extended Surface Pocket Filters Pleated Filters	Clean-Pak CP-6, Venti-Pak VP-6 DP-g13een
80 - 90%	MERV 13 - 14	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Defiant, Clean-Pak CP-8, Venti-Pak VP-8, Variflow, Variflow SC, Variflow Compact Series, Variflow II-M, Variflow II-MC, Vari+Plus, Vari-Pak, Vari-Pak Model S, Bio-Pure, V-Force, Legacy LoadTech 4"
90 - 95%	MERV 14 - 15	Extended Surface Pocket Filters  Extended Surface Rigid Cell Filters	Nano-Pak, Defiant, Clean-Pak CP-9, Venti-Pak VP-9, Variflow, Variflow SC, Variflow Compact Series, Variflow II-M, Variflow II-MC, Vari+Plus, Vari-Pak, Vari-Pak Model S, Bio-Pure, Legacy 12", V-Force
95% DOP	MERV 16	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Nano-Pak Micro Guard 95, Vari+Plus
99.97% 99.99% 99.999% 99.9995%	NA	HEPA/ULPA Filters	Micro Guard 99, MicroPleat

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