



ALL PRODUCTS BROCHURE





No other air filter manufacturer has a broader line of products to meet the demanding needs of an increasingly complex market.

www.airguard.com

The Industry Looks to Airguard for Leadership in Air Filtration Technology



Expert technical assistance. Ask for an audit of your air filtration systems by a factory trained Airguard representative.

Worldwide distribution network.

State-of-the-art production facilities, including ISO-9001 Certification of the Jeffersonville, Indiana and Campellsville, Kentucky manufacturing complexes.

State-of-the-art research and testing facilities.





Airguard products...

can be found improving the quality of air around the world in hospitals, office buildings, industrial plants, laboratories, pharmaceutical facilities, schools, museums, sports arenas, residential complexes...and many more.

Other specialized products...

are used for gas turbine air intake systems, paint overspray collection, gas phase adsorption, lint, ink mist and grease collection.

No other manufacturer...

offers a broader line of products to meet your requirements for clean air and better indoor air quality backed by an experienced staff of technically qualified experts who know the air filtration business.

Our worldwide distribution network...

ensures Airguard products are available anywhere you need them.

For information...

on products, pricing, performance, applications or technical assistance, contact your authorized Airguard representative.

To find out more about Airguard, visit our web site: www.airguard.com

EFFICIENCY SELECTION GUIDE

Arrestance	⁽¹⁾ Efficiency	⁽²⁾ MERV rating	Filter Type	Airguard Product Selection
60 - 80%	Less Than 20%	MERV 1 - 4	Disposable Panel Filters Permanent Metal Filters Fiberglass Media Latex Coated Natural Fiber Media Foam Media Automatic Roll Media	Disposables Types HS, HD Standard Grade Permalast® Foam Media Types CF, DSF
80 - 90%	Less Than 20%	MERV 5	Disposable Panel Filters Synthetic Media Automatic Roll Filter Media	Tri-Plex 85® StreamLine™ Polyester Media Types YTS, SHP, DMC, DL-1, DL-2
90 - 95%	20 - 30%	MERV 6 - 7	Self-Supported Pocket Filters Ring Panel Filters Pleated Panel Filters	Activator Series (2 Ply, 3 Ply), Series N, Bio•Pure® DP4-SA Bio-Pure®, XTREME+Plus™
95%	30 - 40%	MERV 7 - 8	Self-Supported Pocket Filters Ring Panel Filters Pleated Panel Filters	SynPak, Ultra II Bags, DPGT, DP40, DP40-Max XTREME+Plus, PowerGuard™ (MERV-11), DP Class 1, DPHT, Fresh Air™, Fresh Air™ Suprem
95 - 98%	40 - 50%	MERV 8 - 9	Extended Surface Pocket Filters	Venti-Pak® VP-4, Clean-Pak™ CP-4
95 - 98%	50 - 60%	MERV 9 - 10	Pleated Panel Filters Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	DP-65 (MERV 11) Venti-Pak® VP-5, Clean-Pak™ CP-5 Vari-Pak®, Vari-Pak® Model S
99%	60 - 70%	MERV 10 - 11	Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	Clean-Pak [™] CP-6, Venti-Pak [®] VP-6 Bio-Pure [®] Variflow [®] , Variflow [®] SC, Variflow [®] Compact Series, Variflow [®] II-M, Variflow [®] II-MC, Vari+Plus [®] , Vari-Pak [®] , Vari-Pak [®] Model S, Bio-Pure [®] , V-Force [®] , Legac
99%	70 - 80%	MERV 12 - 13	Extended Surface Pocket Filters	Multi-Guard® MG-7
99%	80 - 90%	MERV 13 - 14	Pleated Panel Filters Extended Surface Pocket Filters Extended Surface Rigid Cell Filters	DP-g13een® Clean-Pak™ CP-8, Venti-Pak® VP-8, Multi-Guard® MG-8, Bio-Pure® Variflow®, Variflow® SC, Variflow® Compact Series, Variflow® II-M, Variflow® II-MC Vari+PI Vari-Pak®, Vari-Pak® Model S, Bio-Pure®, Legar 4", V-Force®
99%	90 - 95%	MERV 14 - 15	Extended Surface Pocket Filters	Clean-Pak™ CP-9, Venti-Pak® VP-9 Multi-Guard® MG-9, Bio-Pure®
			Extended Surface Rigid Cell Filters	Variflow [®] , Variflow [®] SC, Variflow [®] Compact Series, Variflow [®] II-M, Variflow [®] II-MC, Vari+Plus [®] , Vari-Pak [®] , Vari-Pak [®] Model S, Legacy [®] , Bio-Pure [®] , XTREME+Plus [™] , V-Force [®]
Does not apply	95% DOP	MERV 16	Extended Surface Rigid Cell Filters	Microguard® 95, Vari+Plus®, Microguard® LR
Does not apply	99.97% 99.99% 99.999% 99.9995%	Not Applicable	HEPA/ULPA Filters	Microguard® 99, MicroPleat™

(2) Minimum Efficiency Reporting Value (MERV) ratings are based on the ASHRAE 52.2 test method.

DISPOSABLE PANEL FILTERS

1/2", 1", 2" thicknesses



Disposable

Disposables

- Fiberglass and Synthetic media
- Pinch frame construction with
- scrim retainer
- 65 85% arrestance

Tri-Plex[®] 85

- Industrial Grade
- fiberglass media
- Die cut beverage board frame
- 75 80% arrestance





PERMANENT METAL FILTERS

Type HD - Steel Construction Type HS - Aluminum Construction • Washable for repeated use Ideal for high moisture or

- high velocity conditions
 60 75% arrestance

SPECIALTY MEDIAS AND FILTERS

PL-24

- **Fiberglass Medias** Select from three grades
- 1", 2", 4" thicknesses
 70 90% arrestance

Foam Media

- 1/4", 1/2", 1" thicknesses
- Washable
- Operates at -50°F to 250° F
- 55 65% arrestance

Permalast[®] Media

- Synthetic fiber media
- 1/2", 1", 2" thicknesses
 Rigid, self-supporting
- Washable

Select from a variety of medias and filters for specialized equipment or applications.

 Lint and ink mist collection • Replacements for AAF PL-24 Special application medias

• 50 -65% arrestance

Widest variety of pleated filters available. Choose from 18 different styles.



Type DP[®] 40/ DP Max Pleated Filters

- 1", 2", 4", 6" (only DP Max) thicknesses
- Die cut beverage board frame
- 100% Synthetic media
- 15.0 (DP40), 10.0 (DP Max) pleats per foot (2")
- Mechanical MERV 8

XTREME+Plus[™] Pleated Panel Filters

- MERV 7 (Mechanical)
- 100% Synthetic Media
- Self Supported
- Damage Resistant
- No Metal
- Fully Incinerable





DP-gl3een

- 100% Synthetic Media
- 2" thickness
- 17.5 pleats per foot (2")
- LEED/Green Compliant
- MERV 13

PowerGuard[™] Filter

- 1", 2", 4" thicknesses
- Die cut beverage board frame
- 100% synthetic media
- 14.3 pleats per foot (2")
- 35 40% efficiency, MERV 11





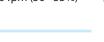
Type DPGT

- Heavy Duty Pleated Filters
- Welded wire pleat support grid
- Pleat stabilizer fingers
- 2", 4" thicknesses
- 30 35% efficiency MERV 8

Type DP-65, DP-85, DP-95

High Efficiency Pleated Filters for low velocity applications

- 2", 4" thicknesses
- Die cut beverage board frame
- Ultrafine fiberglass media
- Three efficiencies
- 50 55%, 75 80%, 80 85%
- 4" DP-65 provides highest efficiency availavle in a pleated filter operating at 500 fpm (50 - 55%)



Mist-Defier

- High Moisture Pleats
- Moisture resistant media and frame
- MERV 7



Type DPHT

High Temperature Pleated Filters

- Operates up to 500°F
- 1", 2", 4" thicknesses
 Aluminized steel frame
- and support grid
- Ultrafine fiberglass media
- 35 40% efficiency

Type DP4SA

Side Access Filters

- Same construction as standard Type DP
- 4["] thickness
- 1" header ontop and bottom is
- designed for side access systems • 25 - 30% and 35 - 40%
- (Power Guard) efficiencies

PLEATED FILTERS

EXTENDED SURFACE **POCKET FILTERS**



Clean-Pak[™] Pocket Filters

Dual layer microfine synthetic media

- Moisture resistant
- Wide variety of pocket lengths and counts
- Fail safe mechanically
- staked pocket attachment Sonic welded pocket construction
- Five efficiencies -
- 90 95%, MERV 14
- 80 85%, MERV 13
- 60 65%, MERV 12 50 55%, MERV 11
- 40 45%, MERV 10
- Self-sealing models (40 45%, 60 65%)
- U.L. Class 1 and Class 2

Venti-Pak® **Pocket Filters**

Ultrafine, high loft, microglass media

- Wide variety of pocket lengths and counts
- Fail safe mechanically
- staked pocket attachment Double lock stitched pocket formation
- Five efficiencies -
- 90 95%, MERV 14
- 80 85%, MERV 13
- 60 65%, MERV 12
- 50 55%, MERV 11 40 - 45%, MERV 10





Multi-Guard® Pocket Filters

Next generation, microfine synthetic media

- · Electrostatically enhanced for higher initial efficiency
- Gradient density fiber structure -for higher dust holding capacity
- Three efficiencies -
- 90 95%, MERV 15
- 80 85%, MERV 13
- 70 75%, MERV 12

EXTENDED SURFACE **RIGID CELL FILTERS**



MERV 14 & 15 models meet the efficiency requirements required to contribute points toward a LEED/Green Building certification.

• Lower Energy Costs.

Legacy [®]

- Low Resistance
- High Efficiency
- High Dust Holding Capacity
- 4" MERV 11 & 14, 12" MERV 11 & 15
- 100% Synthetic Media
- Moisture Resistant
- Chemical Resistant
- All Plastic Construction
- Fully Incinerable
- Light Weight
- UL 900 Class 1



V-Force®

- All Plastic Construction
- 100% Synthetic Media
- Moisture and Chemical Resistant
- Fully incinerateable
- Low Resistance
- Three efficiencies -90 -95%, (MERV 15)
- 80 85%, (MERV 13)
- 60 65%, (MERV 11)
- UL 900 Class 1



Vari+Plus® VP

- All plastic construction
- No metal components
- Dura-Tuff 100% synthetic media
- Fully incinerateable
- Suitable for selected corrosive or chemical environments Three efficiencies -
- 90 -95%, (MERV 15) 80 - 85%, (MERV 13)
- 60 65%, (MERV 11)



Variflow®

Extended Surface Rigid Cell Filters

- Ultrafine microglass paper media
- Moisture resistant construction Single header, double header,
- no header models Metal and wood cell sides
- Corrugated aluminum separators High temperature models up to 900°F
- Three efficiencies -
- 90 -95%, (MERV 14)
- 80 85%, (MERV 13)
- 60 65%, (MERV 11)

Variflow[®] SC

Same construction as Variflow, except less media



Vari-Pak®

Extended Surface Rigid Box Filters

- Ultrafine high loft microglass media
- Pleated construction with pleat stabilizers (fingers) on both sides
- Galvanized steel cell sides
- Box construction (no header) and header models
- Four efficiencies -
- 90 95%, (MERV 14) 80 - 85%, (MERV 13)
- 60 65%, (MERV 11)
- 50 55%, (MERV 10)

Vari+Pak[®] Model S

Same construction as standard Vari-Pak filters except made with dual layer, microfine synthetic media.

Vari+Plus[®]

High-capacity Extended Surface Mini-Pleat Filters

- Ultrafine microglass paper media
- Moisture resistant construction
- Continuous bead, mini-pleat adhesive separators
- V-bank assembly of mini-pleat media packs
- Large media area, low resistance
- Five efficiencies
- 95% DOP, (MERV 16)
- 95%, (MERV 16) 90 - 95%, (MERV 14)
- 80 85%, (MERV 13) 60 - 65%, (MERV 11)

Vari+Plus® MC

Vari+Plus style mini-pleat media paks contained in galvanized steel cell sides.

SEPARATOR STYLE FILTERS



Microguard® LR

- 99%+ efficiency on 0.3 micrometer particles
- Available in High-Impact Plastic (HIPS) cell side model and in header boxstyle with metal sides • U.L. Class 2
- E-pleat[™] propreitary media
 Available in 4 sizes
- Standard dove-tail interlocking gasketing



Microguard[®]

- Wood and metal construction
- Gasket seal and gel seal models
- Wide variety of cell side
- configurations
- Corrugated aluminum separators
- Three efficiencies 99.7%, 99.9%, 99.999%
- on .3 micrometers

Microguard® SC Series

Same media and construction as standard Microquard, except fewer pleat. 99.97% efficiency

MINI-PLEAT SEPARATOR STYLE FILTERS

MicroPleat™

- Ultrafine microglass paper media
- Anodized extruded aluminum cell sides
- Gasket seal, gel seal and knife edge models
- Continuous bead mini-pleat adhesive separators
- Five efficiencies 99%, 97%, 99.99%, 99.99% on 0.3 micrometers;
- 99.999%, 99.9995% on .12 micrometers
- U.L. Class 1

HIGH CAPACITY HEPA FILTERS

Microguard Separator Style

- 500 fpm @ 1.35" W.G.
- 99.97%, 99.99% efficiencies

Micro-V 2000 Mini-Pleat Style

- 500 fpm @ 1.2" W.G.
- 99.97%, 99.99% efficiencies @ 500 fpm
- 99.999% efficiency @ 400 fpm

Micro-V 2400

- 600 fpm @ 1.35" W.G.
- 99.97% efficiency



EANROOM PRODUCTS

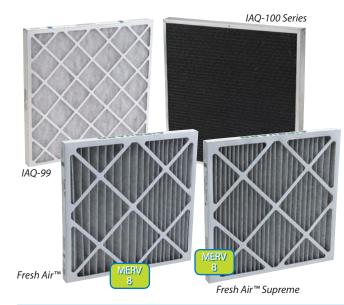


Disposable Ducted Ceiling Modules A

- Anodized extruded aluminum construction
- 2' x 2' and 2' x 4' sizes
 Low profile design 5" deep. Fits into T-bar ceiling grid
- Adjustable diffuser/damper
- Five efficiencies 99.7%, 99.99%,
- 99.999% on .3 micrometers; 99.999%, 99.9995% on .12 micrometers • U.L. Class 1

- - **Micro+Plus Room Side Replaceable Ceiling Modules**
 - Permanent housing with room side replaceable **HEPA** filter
 - Ducted inlet design
 - Low Profile 7" deep





EXTENDED SURFACE FILTERS

Vari-Pure®

High Capacity Activated Carbon Filters

- Select from activated carbon, impregnated carbon, potassium permanganate or blended media
- Effective on wide variety of gases and odors
- Vari-Sock afterfilter prevents carbon dusting downstream
- 12" deep



REPLACEMENT TRAYS AND ELEMENTS

AG-12 Element

- Fits Purafil and Flanders housings
- Refillable design
- Contains 30 pounds of carbon

Available with activated carbon, potassium permanganate or blended media

Refillable Carbon Trays

Vari•Klean®

carbon content

- Wide variety of sizes to fit various
- manufacturers' housings
- Cold rolled steel frame

AG-18 Element

- Fits AG-22 and Purafil PC-22 housings
- Refillable and disposable models
- Contains 30 pounds of carbon

CARBON FILTER HOUSINGS



AG-2000 Front Access Housing

- 14 gauge cold rolled steel construction
- Easily removable access grid
- Contains 90 pounds of carbon (10 trays)



Housing

Side Access Housings

- 16 gauge steel construction
- Adaptor flanges to match up with air handling units
- 2" prefilter or after filter track

AG-14 Carbon Housing

- 16 gauge cold rolled steel construction
- Holds four IAQ-100 carbon panels
- Built-in prefilter and final filter tracks
- Contains 48 pounds of carbon

AG-22 Carbon Housing

- 16 gauge cold rolled steel construction
- Holds four AG-18 carbon elements
- Contains 72 pounds of carbon

- Fresh Air[™]
- Combination 30 35%, MERV 8 pleated prefilter with activated carbon

GAS PHASE ADSORBERS

- Die cut beverage board frame
- 1", 2", 4" thicknesses
- Self-supported media, no metal

Fresh Air[™] Supreme

- Chemically enhanced carbon media
- Removes wider range of odors than standard activated carbon
- 30-35% efficiency, MERV 8
- Self-supported media, no metal

IAQ-99

- Combination polyester prefilter with bonded carbon fibers
- Available with die cut beverage board frame or pad design
- 1", 2" thicknesses

IAQ-100 Series

- Select from activated carbon, potassium permanganate or blended media
- Honeycomb carbon loading
- 25%, 50%, 75% and 100% fill
- Steel frame
- 3/8", 1", 2" thicknesses

IAQ-108

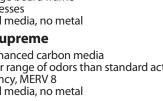
Ultra High Efficiency Carbon Adsorber

Offers high first pass removal efficiency

• Pleated media design increases

- Self-sealing panel construction
- Combination polyester prefilter with bonded carbon fibers





AUTOMATIC ROLL FILTER MEDIAS

Choose from seven styles of media to fit major brands of auto roll equipment, including:



Airguard, AAF, Air Maze, BLC, Cambridge, Carrier, Commercial, Continental, Farr, MSA, Trane.

FIBERGLASS MEDIAS

- Progressive density media construction
- 2-1/2" thick
- Scrim mesh netting backing for high tensile strength
- Adhesive coated for high dust holding capacity
- 70 90% arrestance

SYNTHETIC MEDIAS

- 1/2", 1" thicknesses
- Scrim mesh netting backing for high tensile strength
- Dry and tackified medias
- 70 90% arrestance



Designed for use with compatible wire basket retainers.



ANTIMICROBRIAL TREATED FILTERS

For improved IAQ applications to inhibit arowth of microorganisms on the filters.

Bio-Pure[®]...no other manufacturer has a broader line of antimicrobial treated filters than Airguard. Life cycle tests verify continued effectiveness over the life of the filter.



Bio-Pure® Pleated Panel Filters

- 1", 2", 4" thicknesses
- Available with 14.3 and
- 10 pleats per foot (2")
- 25 30% efficiency, MERV 6



Bio-Pure® High Efficiency Rigid Cell Supported Pleat Filters

- Ultrafine microglass paper media
- 90 95% efficiency
- Select from two styles of construction: Corrugated aluminum separators (above left) Continuous bead mini-pleat adhesive separators (V-bank media packs) (above right)



Bio-Pure® High Efficiency Extended Surface Pocket Filters

- Dual layer microfine synthetic media
- Wide variety of pocket lengths and counts
- Double lock stitched pocket formation
- Fail safe mechanically staked pocket attachment 90 -95%, 80 - 85%,
- 60 65% efficiencies



Bio-Pure[®] High Efficiency Rigid Cell Box Filters

- Dual layer microfine synthetic media
- Pleated media design with pleat stabilizers on both sides
- 90 -95%, 80 85% efficiencies

PAINT SPRAY BOOTH FILTERS

Complete line of air filters for paint spray booth applications.



Type AG/FG fiberglass

INTAKE PANEL FILTERS

- Self-sealing No latches required
- Internal wire support frame
- Tackified for high particle retention
- 90 95% arrestance

Activator Series - 2-Ply or 3-Ply media construction

Poly backed paper



ATI-600

- Dual layer media construction with scrim backing
- Internal wire support frame
 - Internal wire support frame

ATI-300

ATI-300

Dual layer media construction

with scrim backing

PAINT ARRESTOR MEDIAS

Select from a wide variety of paint overspray collection medias

- Fiberglass
- Stackguard[®] polyester backed fiberglass
- Type AG/PS polyester
- Expanded paper
- Polyester backed expanded paper

Stackguard

RING PANELS, SELF-SUPPORTED POCKET FILTERS & POLYESTER MEDIA

RING PANELS, LINKS, SLIP-ONS

The Activator[™] Series Select from 2-ply and 3-ply models

- 2-Ply MERV 6 3-Ply - MERV 7
- · Self sealing, no latches required
- Tackified media
- Made from tough, polyester fibers



2-ply, MERV 6





- Select from three choices of medias 1/2", 1", 2" thicknesses
 Made from multi-denier, recycled polyester fibers
- Tackifier increases particle retention
- 85 95% arrestance



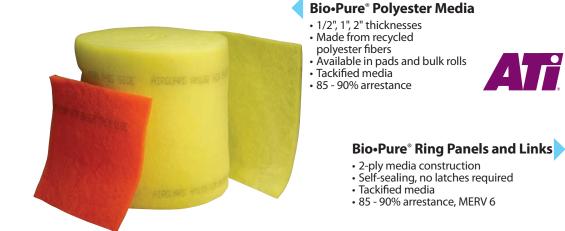
- Three ply media construction
- 15" deep, 2, 3 or 4 pockets.
- 35 40% efficiency, MERV 8



477

Ultra II

- Air Flow 150 FPM
- Initial Static .05" W.G.
- Average Paint Spray Removal Efficiency 99.70%
- Pads and Blankets cut to size • Bags available in two and
- three pocket models





REPLACEMENT FILTERS FOR TURBOMACHINERY AIR INTAKE SYSTEMS

FINAL FILTERS FOR BARRIER FILTER SYSTEMS

PREFILTERS FOR BARRIR FILTER SYSTEMS



Vari+Plus® VP

- All plastic construction
- No metal components
- No rivets, screws, faceguards or cross bars
- Dura-Tuff 100% synthetic media resists tearing, abrasion
- Chemical and corrosion resistant
- Fully incinerateable
- V-bank assembly of minipleat media packs
- Available with Vari-Pad direct mount pocket style prefilter • 90 - 95% (MERV 15) and
- 60 65% (MERV 11) efficiencies

Panel Filters

- 100% synthetic fiber media
- Die cut beverage board frame

Type DPGT Pleated

- 30 35% efficiency, MERV 8

Filter Media Pads

- Fiberglass (2", 4")
- Synthetic (2")







- Ultrafine microglass paper media
- Corrugated aluminum separators
- Galvanized steel construction
- Faceguards on both sides
 90 95%, 60 65% efficiencies

Vari-Pak® GT

- High loft fiberglass or synthetic media
 Expanded metal pleat support
- Pleat support stabilizers on both sides
- 90 95%, 80 85%, 60 65% on both sides 90 95%, 80 85%, 60 65% efficiencies

HOLDING FRAMES & LATCHES



Holding Frame

Uni-Lok® Filter Holding Frames

- •16 gauge galvanized steel Pre-punched mounting holes
- Factory applied gaskets
- Wide variety of latches to hold all types and sizes of filters

TYPE AG-8 Filter Holding Frames

 Replacement for Farr Type 8 frames and latches

TYPE HDS HEPA Holding Frame

- •Creates high integrity seal for HEPA Installations
- 16 gauge aluminized steel construction
- Two depths holds 5-7/8" or 11 1/2" deep filters
- Spring loaded clamping bolt



- Holds filter media pads
- Sized to fit inside Uni-Lok, Type AG-8 or other manufacturers' brands of filter holding frames

- 22 gauge galvanized steel frame
 1/2", 1", 2" thicknesses
 Wire support grid both sides

RESIDENTIAL AIR FILTRATION PRODUCTS

REPLACEMENT FILTERS FOR RESIDENTIAL AIR CLEANERS

- Trion Air Bear (MERV 8)
- Honeywell (MERV 8)
- Sizes to fit all major models







Flat Bank Housings

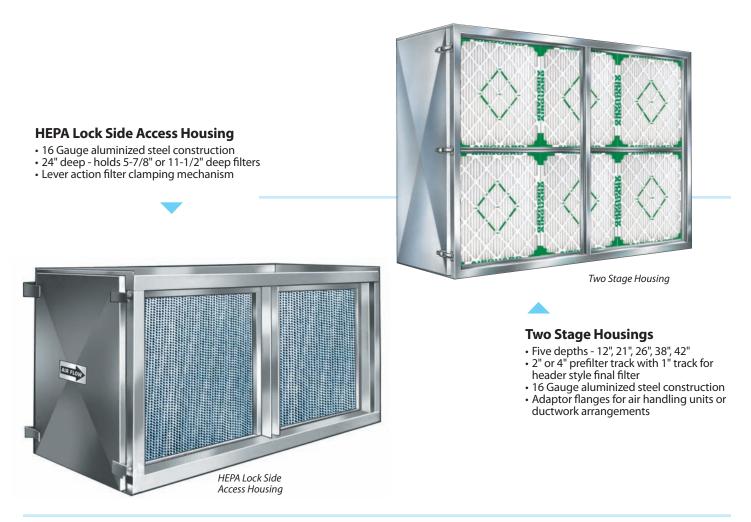
- Single stage unitsHolds 2" or 4" thick filters
- 16 gauge aluminized steel construcion



- V-bank filter arrangement
- Holds 2" thick filters
 16 gauge aluminized steel construction
- Adaptor flanges for air handling units or ductwork arrangements



V-Bank Housing



INNOVATIVE CLEAN AIR SOLUTIONS

Airguard Products Providing Clean Air for People and Processes Worldwide...





Gas Turbines

Museums

Founded in 1964, Airguard has grown to be one of the world's foremost manufacturers of air filtration products for the commercial, industrial and institutional markets.

The basic premise on which the company was founded is to provide replacement filters for all types of HVAC systems. Whatever type of air filtration equipment is installed in your facilities, Airguard can provide a direct replacement or recommend alternatives for improved indoor air quality, lower cost and longer service life. Airguard offers products in every category of air filters from disposable panel filters and pleated filters to high efficiency extended surface filters and HEPA filters. A wide variety of filters for specialized applications is also available, including paint overspray collection, lint and ink mist collection and gas phase adsorption.

No other air filter manufacturer has a broader line of products to meet the demanding needs of an increasingly complex market.

Distributed by:

AG-ALL-1110



www.airguard.com





CLARCOR Air Filtration Products

100 River Ridge Circle • Jeffersonville, IN 47130 Customer Care Team: 1-866-247-4827 • Fax: 1-800-784-3458 Email: mailbag@airguard.com • www.airguard.com © 2010 CLARCOR Air Filtration Products. CLARCOR Air Filtration Products has a policy of continuous product research and development and reserves the right to change design and specifications without notice. **Terms and Conditions of Sale can be accessed in the "LOGIN" section at www.airguard.com**