



# DUST FREE®

BREATHE THE DIFFERENCE.

# IAQ



COMPREHENSIVE INDOOR AIR QUALITY STRATEGY



[WWW.DUSTFREE.COM](http://WWW.DUSTFREE.COM)

# IAQ3

## THE INDOOR AIR QUALITY STRATEGY

The IAQ3 platform integrates three levels of air quality products, each increasing the overall air quality of the space. The result is a dynamic air quality management strategy that provides an IAQ solution, custom-tailored to your specific needs.

THE IAQ3 PLATFORM OF PRODUCTS IS CAREFULLY DESIGNED TO MEET THE FULL SPECTRUM OF INDOOR AIR QUALITY DEMANDS.

### THE FULL LINE OF IAQ3 AIR QUALITY MANAGEMENT PRODUCTS

Each product works together to build the filtration, purification, and UV inactivation components of the IAQ3 platform, delivering a comprehensive indoor air quality solution.

✱ DF MAC-13

✱ DF MAC-11

✱ ELECTROSTATIC AIR FILTERS

⦿ DF ACTIVE

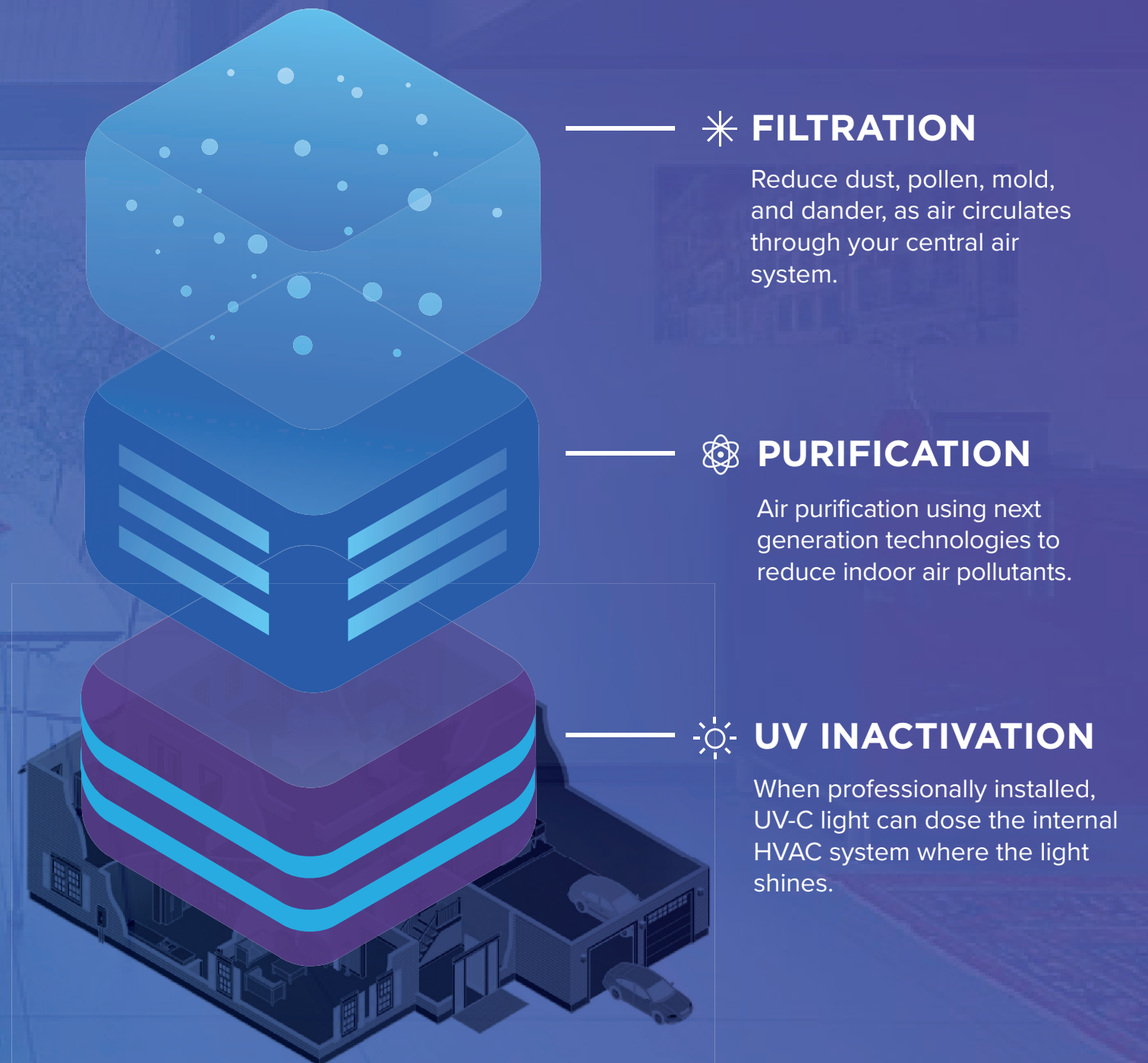
⦿ DF CARBON

⦿ MICROPURE

☀ LIGHTSTICK PLUS

☀ LIGHTSTICK, MINISTICK, VERSALIGHT, ULTRA-FLEX, 4XTREME, XL

☀ NOMAD, NOMAD 2











# DUCT-MOUNTED AIR PURIFIERS



## ACTIVE

The Dust Free® Active utilizes **germicidal UV-C technology plus ionization** to target poor indoor air quality.

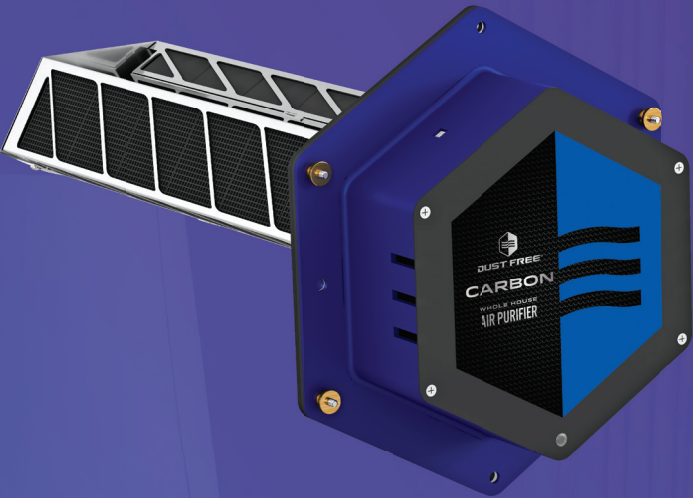
-  Dual active air purification technologies provide a comprehensive IAQ solution.
-  Reduces particulate matter such as dust and dander by improving the performance of your existing filtration system.
-  Innovative carbon fiber brushes increase ion production.
-  Laboratory tested and effective against MS-2 bacteriophage virus.
-  Expanded range ballast for increased electrical reliability.
-  Auxiliary power port to easily install an additional 24V germicidal UV-C light in any HVAC system.



## CARBON

A compact, duct-mounted, air purifier that reduces **Formaldehyde** that can exist in indoor air.

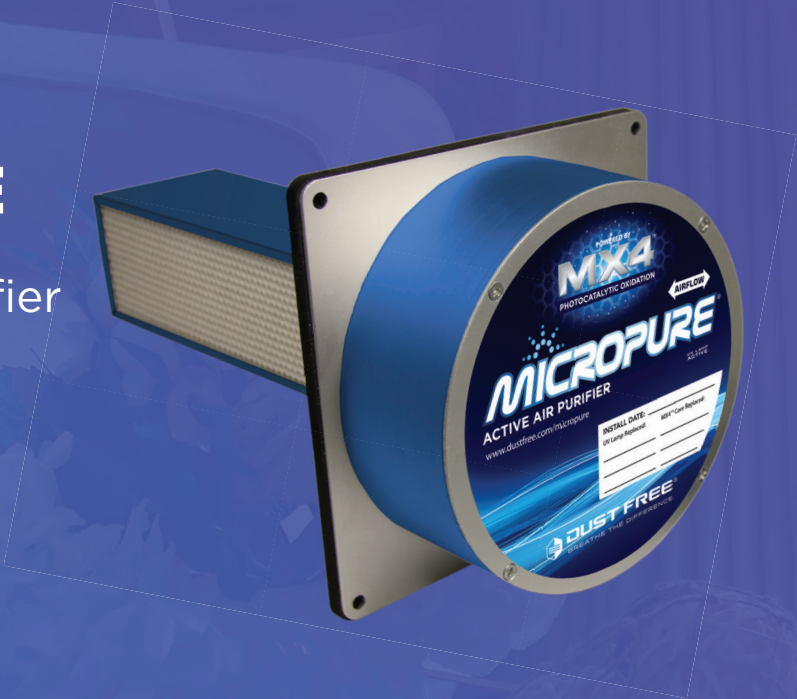
- Proprietary Carbon/UV-C Light multi-stage technology.
- Carbon and Germicidal UV light technology effective at reducing Formaldehyde.
- Ozone-free.
- Auxiliary power port makes adding an additional UV light easy.
- Expanded range ballast increases electrical reliability.



## MICROPURE

The Micropure® Active Air Purifier utilizes **UV light technology** to reduce pollutants.

- Utilizes proprietary technology and UV light to reduce indoor air pollutants.
- Reduces odors and VOCs.
- Installs in any HVAC system.





# GERMICIDAL UV









## BEST IN CLASS 24V UV TECHNOLOGY



# LIGHTSTICK & LIGHTSTICK PLUS

REDESIGNED FROM THE GROUND UP, THE NEW GENERATION LIGHTSTICK AND LIGHTSTICK PLUS OFFERS THE HIGHEST UV-C OUTPUT COMPARED TO ALL OTHER 24V UV FIXTURES.

When properly installed and operated continuously, the Lightstick and Lightstick Plus dose cooling coils, drain pans, and duct surfaces with germicidal UV energy 24/7, to reduce or inactivate specific, targeted bacteria, mold, and virus where the light shines. Lightstick family utilizes low mercury lamps that are better for the environment and provide high ambient temperature operation.

-  Highest UV-C output compared to all other 24V UV fixtures.
-  Reduces specific targeted bacteria, mold, and viruses where the light shines.<sup>1</sup>
-  Ozone-free, low mercury lamps.
-  Works with your air filter 24/7 to disinfect cooling coils, drain pans, and duct surfaces.
-  High quality components.
-  Direct Connect™ and remote lamp capability for optimal UV exposure.

# GERMICIDAL UV



## ULTRA-FLEX

The Ultra-Flex offers more value and choice than ever before. Offering compact size and remote-lamp capability, the Ultra-Flex provides a first-class UV system for even the tightest spaces.



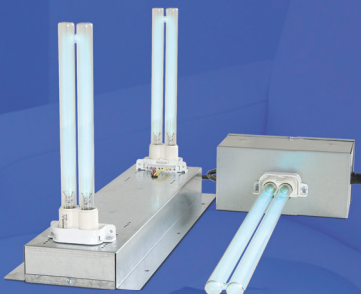
## 4XTREME

The 4Xtreme rooftop UV-C fixture, equipped with a UL listed NEMA 4X interlocked enclosure, can handle the harshest of HVAC environments.



## VERSALIGHT

The VersaLight utilizes a patent pending, safety interlocked, remote-mounted lamp capability that allows placement of one, or two, high-output UV-C lamps anywhere within 6 feet of the VersaLight's chassis.



## NOMAD & NOMAD 2

Surface mounted UV-C applications demand installation flexibility and the Nomad delivers one of the most flexible chassis designs available.



## XL

XL is uniquely qualified for extra large applications with lamp lengths up to five feet and a class leading reflector surface area to cost effectively apply a high dose of UV-C energy. Magnetic mounting brackets simplify installation.



## MINISTICK

The all-new Ministick offers the highest UV-C output available for ductless or mini-split applications. Better at dosing cooling coils and blower wheels where the light shines, while at the same time operating ozone-free.



# HIGH EFFICIENCY MEDIA AIR CLEANERS



## MAC 13

The Dust Free® MAC™ 13 utilizes MERV 13 filtration to provide the best balance between sub-micron filtration and air flow.

- MERV 13 high-efficiency filter
- Captures dust, pollen, dander, and other common indoor pollutants
- Traps 100 times more airborne particles than traditional disposable fiberglass filters.
- Lowest pressure drop MERV 13 filter at 0.24" w.c.



## MAC 11

The Dust Free® MAC™ 11 is effective in reducing household dust, pollen, and other allergens 100 times more effective than traditional filter media.

- MERV 11 high-efficiency filter
- Captures dust, pollen, dander, and other common indoor pollutants

# PERMANENT AIR FILTERS

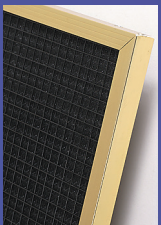
A *lifetime* of cleaner air in your home.



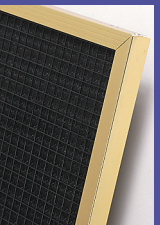
DUST FIGHTER® 95



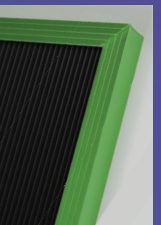
DUST FIGHTER® 90



ALLERGY GOLD®



MAXAIRE GOLD®



ENVIROGREEN™ 8 PLEAT

PERMANENT AIR FILTERS OFFER A WISE INVESTMENT FOR PROTECTING THE HOME FROM EVERYDAY POLLUTANTS. DUST FREE® FILTERS UTILIZE MULTIPLE LAYERS OF ELECTROSTATICALLY-CHARGED FILTRATION MEDIA TO CAPTURE DUST, POLLEN, LINT, AND DANDER.

The Dust Free® permanent air filter uses self-charging electrostatic filtration media to reduce indoor air pollutants as the air circulates through the HVAC system. Regular cleaning with water and household detergent will keep them operating at peak efficiency for a lifetime.

- High-strength extruded aluminum frame
- Pull tabs for easy removal for maintenance
- Durable construction for even the most powerful HVAC systems
- Multiple filtration layers
- Patented configuration alternate polarity, self-charging layers of media
- Made in the USA with precise manufacturing techniques and attention to detail
- Drain holes allow water to drain quickly for faster drying after cleaning
- Available in 33-40 standard sizes in 1" or 2" frames
- Custom and adjustable sizes available



# SPECIFICATIONS

## DUCT-MOUNTED AIR PURIFIERS

| Models        | Part Numbers        | Dimensions¹          | Power   | Weight         | Core                            | Warranty  |
|---------------|---------------------|----------------------|---|----------------|---------------------------------|---|
| DF Active 6"  | #13070              | 6.5"H X 6"W X 6"L    | ††24VAC, 50/60Hz, 1.4A.<br>3000V surge protection.                                  | Approx. 3 lbs. | Bi-polar ionization             | 7-yr limited.<br>4-yr core.<br>2-yr lamp.       |
| DF Active 12" | #13071              | 6.5"H X 6"W X 12"L   |   |                |                                 |   |
| DF Carbon 14" | #13052              | 6.5"H X 6"W X 14.5"L | ††24VAC, 50/60Hz, 1.4A.<br>3000V surge protection.                                  | Approx. 3 lbs  | Ozone-free Carbon<br>technology | 7-yr limited.<br>1-yr core.<br>2-yr lamp.       |
| Micropure 5"  | 6"H x 6"W x 7"L     | 6"H x 6"W x 7"L      | 24VAC 50/60Hz and<br>120/230VAC 50/60Hz<br>(auto-switching)<br>power supply models. | 2.6 - 3 lbs    | MX4™                            | 5-yr limited.<br>4-yr on core.<br>2-yr on lamp. |
| Micropure 9"  | 6"H x 6"W x 11"L    | 6"H x 6"W x 11"L     |   |                |                                 |   |
| Micropure 14" | 6"H x 6"W x 16.75"L | 6"H x 6"W x 16.75"L  |   |                |                                 |   |

† Mounting Plate: 8"H x 8"W. †† Expanded range ballast: 20V-32V.

## GERMICIDAL UV

| Models          | Dimensions¹                | Power   | Lamp/Lamp Life                                      | Weight        | Warranty                 |
|-----------------|----------------------------|---|---|---------------|--------------------------|
| Lightstick      | 1.75"H X 3.16"W X 4.75"L   | 24VAC (Expanded range<br>ballast: 20V-32V), 50/60Hz,<br>1.4A, 3000V surge protection.<br>3ft power cord. 4ft lamp cord. | 15" / 9,000-hr                                      | 2.6 - 3 lbs   | 4-yr limited. 1-yr lamp. |
| Lightstick Plus |                            |   | 15" / 18,000-hr                                     |               | 7-yr limited. 2-yr lamp. |
| Ultra-Flex      | 2"H x 4"W x 9.25"L         | 120-240VAC, 50/60Hz, 6-ft<br>power cord.  | 14"-16" / 9,000-hr                                  | 4 lbs         | 5-yr limited. 1-yr lamp. |
| 4Xtreme         | 4.25"H x 8"W x 11.56"L     | 120-240VAC, 50/60Hz,<br>0.90A/0.50A.  | 21", 33", 45"<br>9,000-hr                           | 8.2 lbs       | 3-yr limited. 1-yr lamp. |
| Versalight      | 2.5"H x 5"W x 13"L         | 120-240VAC, 50/60Hz,<br>0.90A/0.50A.  | 14", 16", 20"<br>9,000-hr. Single and<br>dual lamp. | 5.75 - 6 lbs  | 3-yr limited. 1-yr lamp. |
| Nomad           | 3.125"H x 3.5"W x 7"L      | 120-240VAC, 50/60Hz,<br>0.45A/0.22A.  | 9" / 9,000-hr                                       | 3.75 lbs      | 5-yr limited. 1-yr lamp. |
| Nomad 2         | 1.5"H x 5.937"W x 17"L     | 120-240VAC, 50/60Hz,<br>0.85A/0.39A.  | 9", 16", / 9,000-hr.<br>Dual lamp.                  | 5.5 lbs       |                          |
| XL              | 2.5"H x 3.375"W x 24"-64"L | 120-230VAC, 50/60Hz,<br>1.15A/0.60A.  | 21", 33", 45", 61"<br>9,000-hr                      | 3.9 - 8.3 lbs | 3-yr limited. 1-yr lamp. |
| Ministick       | 1.5"H x 4"W x 1"L          | 120-230VAC  | 9" x 0.375"<br>18,000-hr. Dual lamp.                | 0.5 lbs       | 2-yr limited. 2-yr lamp. |

† Mounting Plate: 8"H x 8"W.

U.S. Patent Nos. 5,334,347, 5,817,276, 6,245,293, 6,267,924, 6,280,686, 6,313,470, 6,627,000, 6,539,727, 6,932,494, 6,550,257.

Professional installation required.

All specifications subject to change without notice.

# SPECIFICATIONS

## HIGH EFFICIENCY MEDIA AIR CLEANERS

| Models    | Efficiency | Resistance | Media   | Cabinet           | Dimensions (D x H x W)   | Warranty                           |
|-----------|------------|------------|---------|-------------------|--|------------------------------------|
| DF MAC 11 | MERV 11    | --         | Pleated | Galvanized steel. | 27.13" x 17.00" x 6.56"<br>22.13" x 21.00" x 6.56"<br>27.13" x 21.00" x 6.56"<br>22.13" x 22.00" x 6.56" | Limited lifetime.<br>Cabinet only. |
| DF MAC 13 | MERV 13    | 0.24"      | Pleated | Painted steel.    | 22.13" x 22.00" x 6.56"<br>22.13" x 25.25" x 6.56"   |                                    |

## PERMANENT AIR FILTERS

| Models               | Efficiency¹ | Resistance² | Media          | Frame                   | Sizes  | Warranty                            |
|----------------------|-------------|-------------|----------------|-------------------------|--|-------------------------------------|
| Dust Fighter® 95     | 95%         | 0.15        | 5 Layers       | Aluminum                | 40 standard sizes. 1", 2", and adjustable sizes. Custom sizes available. | Limited lifetime.                   |
| Dust Fighter® 90     | 90%         | 0.12        | 3 Layers       |                         |  |                                     |
| Allergy Gold®        | 90%         | 0.12"       | 3 Layers       | Gold-anodized aluminum  |  |                                     |
| Maxaire Gold®        | 81%         | 0.08"       | 3 Layers       |                         |  |                                     |
| Envirogreen™ 8 Pleat | MERV 8      | --          | Pleated V-Core | Green-anodized aluminum | 33 standard sizes. Custom sizes up to 600 sq in.                         | Limited lifetime. 5-yr filter core. |

¹Except for Envirogreen 8 pleat, efficiency represents peak arrestance as tested to ASHRAE 52-76 test procedures. †† Initial resistance @ 1200 CFM.

## PERMANENT AIR FILTER SIZE CHART

|           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 10" x 10" | 10" x 20" | 10" x 24" | 10" x 30" | 12" x 12" | 12" x 20" | 12" x 24" |
| 12" x 25" | 12" x 30" | 12" x 36" | 14" x 14" | 14" x 20" | 14" x 24" | 14" x 25" |
| 14" x 30" | 15" x 20" | 15" x 25" | 16" x 16" | 16" x 20" | 16" x 24" | 16" x 25" |
| 16" x 30" | 16" x 32" | 16" x 36" | 18" x 18" | 18" x 20" | 18" x 24" | 18" x 25" |
| 18" x 30" | 18" x 36" | 19" x 27" | 20" x 20" | 20" x 24" | 20" x 25" | 20" x 30" |
| 20" x 32" | 21" x 21" | 24" x 24" | 24" x 30" | 25" x 25" |           |           |

All sizes in 1" or 2" thickness. All standard sizes are undersized 3/8". Custom sizes are available to 1/8". Manufacturer recommends 1 sq. ft. filter surface area per ton A/C.

☐ Adjustable frame models fit shaded sizes.





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Website: [www.dustfree.com](http://www.dustfree.com)

Dust Free® is the name recognized worldwide for manufacturing quality and expertise. As the manufacturer of IAQ products for residential, commercial, and industrial application, Dust Free® makes a wide variety of innovative products for the reduction and control of indoor airborne contaminants.

Dust Free® is an OEM manufacturer for several leading HVAC and IAQ corporations. Working as a sub-component manufacturer, or lead manufacturer providing a 100% complete product, Dust Free® maintains a level of manufacturing excellence that provides the customer with a competitive advantage in the marketplace.

The IAQ industry constantly demands new technologies and new methodologies for effectively tackling the ever-growing problem of indoor air quality. Dust Free® holds several patents for innovations in manufacturing, design, and application.

**EPA Establishment No. 73316-TX-1**

**Dust Free® uses independent labs and universities for product testing. Visit <http://www.dustfree.com/testing>.**

The product and technologies described are not medical devices, and are not intended to diagnose, treat, cure, or prevent any disease or illness.

1. All third-party laboratory testing paid for by Dust Free®.