

Air Purification Systems

Smoke, Odor & Dust Management for Bars, Arcades, Family Entertainment Centers and More!



*Protects
Employees and
Guests from
Secondhand
Smoke!*

Airistar's versatile air purification product line provides an efficient solution for the specific indoor air quality issues that challenge today's smoking environments. From bars, family entertainment centers, employee break rooms and offices to restaurants, bingo halls and poker rooms, Airistar® offers premier localized air purification solutions. Airistar's solutions provide odor, smoke and dust management for large and small areas as well as specific air purification to protect employees and guests from secondhand smoke.

Odor and Fume Control

Airistar's standard Activated Carbon Filter is a multi-purpose VOC filter that helps eliminate unwanted smoke, gasses and fumes. This filter can also be customized with Zeolite to control odors related to ammonia based sources.

Airistar's high efficiency mechanical filtration does not employ dangerous ozone and only "Latex Free" components are used in the construction of Airistar® products.

High Efficiency Mechanical Filtration

Melt-Blown Fiber filter media which is rated at 95% efficiency down to 0.3 microns at airflow ratios that surpass traditional HEPA filtration, allows Airistar products to significantly reduce the presence of smoke, odors, dust and many airborne pathogens that can cause respiratory distress.

Increased Air Changes per Hour

By utilizing Melt-Blown Fiber media, Airistar® is able to deliver equipment that can create higher airflow and increased air changes per hour than comparable sized air purification units.

With this increase in airflow and optimized filter efficiency, Airistar® units allow locations to create a more inviting, clean environment for guests and employees.

Airistar's HEXAFLOW™ Six Stage Purification Process

Stage 1: Pre-filter

This filter blocks large particles such as hair and pollen that measure 10-15 microns or larger. Using the Pre-filter to capture large particles saves the subsequent filters so that they can remove the finer particles from the air.

Stage 2 & 3: Dual Anti-microbial and Pleated Electrostatic Filter (Green)

This dual filter catches pet dander, fine pollen and other allergens that range from 7-18 microns in size. The Anti-microbial Filter attracts particles with static electricity and then disinfects the attracted particles with an anti-microbial solution. The Pleated Electrostatic filter acts as a net for the Anti-microbial Filter by catching any particles that are blown off of the first filter.

Stage 4: Melt-Blown Fiber Filter (Yellow) 99.97%

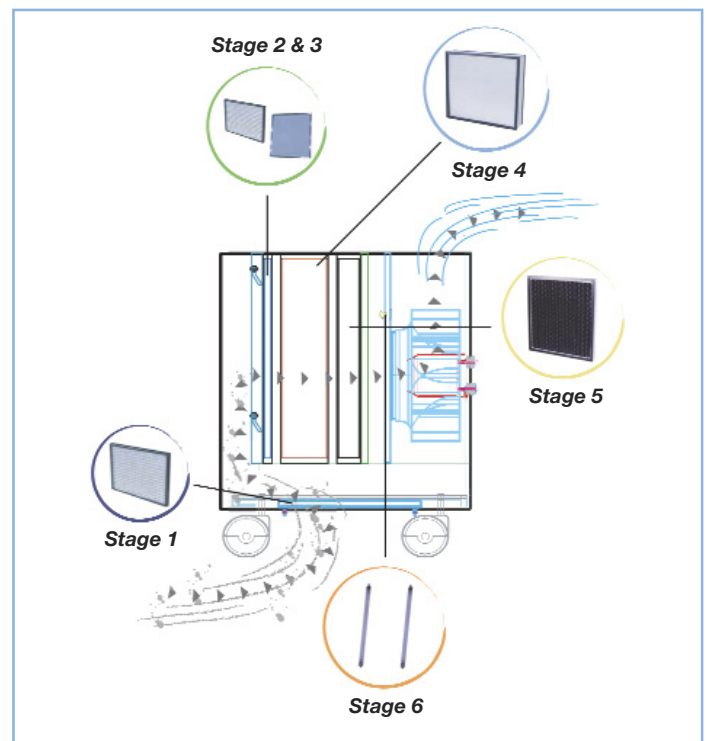
Melt-Blown Fiber Filter is a High Airflow Particulate Air Filter that has the ability to remove particles as small as insecticide dust, smog and tobacco smoke. Melt-Blown Fiber Filter filtration capture 99.97% of particles larger than 0.3 microns at airflow ratios that surpass traditional HEPA filter abilities.

Stage 5: Activated Carbon Filter (Pleated Custom VOC)(Red)

Our Pleated VOC Activated Carbon Filter collects fumes and odors associated with smoke, formaldehyde, hospitals and mold/mildew. Carbon is extremely porous, which makes it a highly efficient natural filter. In our Pleated Activated Carbon Filter, the air actually travels through approximately 1,000,000-2,000,000 sq. feet of adsorption surface area before it leaves our system.

Stage 6: Ultraviolet (UV) Bulbs

The purpose of a Germicidal UVC bulb is to disinfect the VOC filter and kill bacteria and viruses smaller than 0.3 microns. The UV Bulbs prevents mold, mildew and microorganism growth on the VOC filter, which keeps the air within the system clean. UV light also has the ability to eliminate most bacteria and viruses that it comes in contact with.



1000 Air Purification System

The Airistar® 1000 is capable of delivering airflow of up to 1000 cubic feet per minute (CFM), which makes it a perfect fit within a variety of different commercial and industrial applications. The Airistar® 1000 is designed to handle challenging indoor air quality issues in larger spaces and utilizes HEXAFLOW™, a proprietary six-stage air purification process, to provide more air changes per hour than equivalent size units on the market.

The Airistar® 1000 is a mechanical filtration system that utilizes the most advanced filter media available to strip away unwanted particles without adding dangerous ozone or harmful chemicals to the air. Whether you are faced with excessive dust, smoke, allergens, fumes, odors, airborne bacteria or mold spores, the Airistar® 1000 will effectively meet your air purification needs.



Key Features and Benefits

- **HEXAFLOW™ Purification Process:**
Airistar® has developed a unique six-stage air purification process that features Melt-Blown Fiber filter media.
- **Melt-Blown Fiber Filter Media:**
Melt-Blown Fiber filter media is the next generation of HEPA filter media. The Melt-Blown Fiber filter media used by Airistar® is rated to capture 99.97% of particles larger than 0.3 microns at airflow ratios that surpass traditional HEPA filters.
- **Activated Carbon Filter:**
Airistar's multipurpose VOC filter helps eliminate unwanted gases and fumes encountered in our everyday lives.
- **Airflow Rates:**
Airflow rates of up to 1000 CFM can be achieved when the unit is set to maximum blower speed.

HEXAFLOW™ Purification

Airistar's HEXAFLOW™ purification process allows the Airistar® 1000 to deliver up to 99.97% cleaner air.

- Stage 1: Electrostatic Pre-filter – Merv 8
- Stage 2 & 3: Anti-microbial and Pleated Electrostatic Filters
- Stage 4: Melt-Blown Fiber rated 99.97% down to 0.3 microns
- Stage 5: Activated Carbon Filter (Custom VOC filters available)
- Stage 6: 2 Titanium-Coated UV-C Germicidal Ultraviolet Bulbs

The Airistar® 1000 utilizes the HEXAFLOW purification process to remove a variety of airborne contaminants from the air (Figure 1). This six-stage air purification process can effectively remove 99.97% of particles 0.3 microns or larger, which includes such common contaminants as bacteria, mold and fungal spores, pet dander, and pollen in the first purification cycle. This process will also remove as much as 65% of tobacco smoke, smog, and many other fumes and gases from the air on the first purification cycle.

Custom VOC Filters

Volatile organic compounds (VOCs) are gasses that are emitted from certain solids and liquids. These gasses contain a variety of chemicals and odors that can cause short or long term health consequences. Many household items such as carpeting, cleaning fluids, paints and glues contain harmful VOCs.

Our standard Activated Carbon filter is a multipurpose VOC filter that will virtually eliminate common VOCs that are encountered in our everyday lives.

Better still, we can customize our VOC filter for environments where the chemicals and odors emitted require specialized filtration.

Indoor Air Quality (IAQ)

Quality indoor air is essential to a healthy lifestyle. Deterioration in IAQ can be linked to many serious health concerns and can often be attributed to one of the following conditions:

- Inadequate outside air exchange
- Microbial growth
- Poor maintenance / operation of building facilities
- Old, inadequate or not properly functioning ventilation systems
- The continual addition of airborne contaminants such as smoke, allergens, bacteria, fumes or odors

Efficient airborne contaminant removal and increased air changes per hour set the Airistar® 1000 apart from the competition in alleviating poor IAQ.

Airistar's HEXAFLOW™ purification process efficiently addresses the three primary forms of indoor air contamination, particulate matter, microbes and VOCs, to create quality indoor air environments.

Performance

Sample performance metrics for the Airistar® 1000 unit, in terms of air changes per hour, are as follows:

15,000 Cubic Feet

Space: 1,875 sq. ft. with 8 ft. ceilings
Airflow: 1000 cubic feet per minute
Rate of Change: 4.0 air changes / hour (1 unit)

7,500 Cubic Feet

Space: 937 sq. ft. with 8 ft. ceilings
Airflow: 1000 cubic feet per minute
Rate of Change: 8.0 air changes / hour (1 unit)

Specifications

- Dimensions: 34.25" H x 21" W x 22.20" D
- Weight: 110 lbs
- Industrial grade casters for enhanced mobility
- Load rated airflow range: 700 to 1000 CFM
- Maximum amp draw: 2.3 amps @ 110V

Part Number		Price per ea.
92-0130-00	Airistar® 1000 Air Purification System (Includes 1 Set of Filters)	\$3,765.00
92-0229-00	Airistar® 1000 External Prefilter <i>Color Code: Blue</i>	\$9.50
92-0237-00	Airistar® 1000 Internal Prefilter <i>Color Code: Green</i>	\$15.00
92-0248-00	Airistar® 1000 Internal Prefilter - Washable <i>Color Code: Green</i>	\$41.64
92-0243-00	Airistar® 1000 Melt Blown Fiber Filter <i>Color Code: Yellow</i>	\$157.75
92-0246-00	Airistar® 1000 VOC/Carbon Filter <i>Color Code: Red</i>	\$39.50
92-0218-00	Airistar® UV Bulb (Requires 2)	\$15.75

500 Air Purification System

The Airistar® 500 is capable of solving challenging indoor air quality issues for a wide range of applications. By utilizing HEXAFLOW™ a proprietary six-stage air purification process, and delivering airflow of up to 500 cubic feet per minute (CFM), the Airistar® 500 provides more air changes per hour than equivalent size units on the market.

The Airistar® 500 is a mechanical filtration system that utilizes the most advanced filter media available to strip away unwanted particles without adding dangerous ozone or harmful chemicals to the air. Whether you are faced with excessive dust, smoke, allergens, fumes, odors, airborne bacteria or mold spores, the Airistar® 500 will effectively meet your air purification needs.



Key Features and Benefits

- **HEXAFLOW™ Purification Process:**
Airistar® has developed a unique six-stage air purification process that features Melt-Blown Fiber filter media.
- **Melt-Blown Fiber Filter Media:**
Melt-Blown Fiber filter media is the next generation of HEPA filter media. The Melt-Blown Fiber filter media used by Airistar® is rated to capture 99.97% of particles larger than 0.3 microns at airflow ratios that surpass traditional HEPA filter media.
- **Activated Carbon Filter:**
Airistar's multipurpose VOC filter helps eliminate unwanted gases and fumes encountered in our everyday lives.
- **Airflow Rates:**
Airflow rates of up to 500 CFM can be achieved when the unit is set to maximum blower speed.
- **Programmable Control Panel:**
The Airistar® 500 has a programmable control panel featuring personalized runtime programs and filter status bars for replacement notification*.
*Filter bars are minimum guidelines for residential use, monthly visual inspections are recommended for smoking environments.

HEXAFLOW™ Purification

Airistar's HEXAFLOW™ purification process allows the Airistar® 500 to deliver up to 99.97% cleaner air.

- Stage 1: Electrostatic Pre-filter – Merv 8
- Stage 2 & 3: Anti-microbial and Pleated Electrostatic Filters
- Stage 4: Melt-Blown Fiber rated 99.97% down to 0.3 microns.
- Stage 5: Activated Carbon Filter (Custom VOC filters available)
- Stage 6: 1 Titanium-Coated UV-C Germicidal Ultraviolet Bulb

The Airistar® 500 utilizes the HEXAFLOW purification process to remove a variety of airborne contaminants from the air (Figure 1). This six-stage air purification process can effectively remove 99.97% of particles 0.3 microns or larger.

That includes such common contaminants as bacteria, mold and fungal spores, pet dander, and pollen in the first purification cycle. This process will also remove as much as 65% of tobacco smoke, smog, and many other fumes and gases from the air on the first purification cycle.

Custom VOC Filters

Volatile organic compounds (VOCs) are gasses that are emitted from certain solids and liquids. These gasses contain a variety of chemicals and odors that can cause short or long term health consequences. Many household items such as carpeting, cleaning fluids, paints and glues contain harmful VOCs.

Our standard Activated Carbon filter is a multipurpose VOC filter that will virtually eliminate common VOCs that are encountered in our everyday lives. Better still, we can customize our VOC filter for environments where the chemicals and odors emitted require specialized filtration.

Indoor Air Quality (IAQ)

Quality indoor air is essential to a healthy lifestyle. Deterioration in IAQ can be linked to many serious health concerns and can often be attributed to one of the following conditions:

- Inadequate outside air exchange
- Microbial growth
- Poor maintenance / operation of building facilities
- Old, inadequate or not properly functioning ventilation systems
- The continual addition of airborne contaminants such as smoke, allergens, bacteria, fumes or odors

Part Number		Price per ea.
92-0076-00	Airistar® 500 Air Purification System (Includes 1 Set of Filters)	\$1,495.00
92-0182-00	Airistar® 500 External Prefilter <i>Color Code: Blue</i>	\$8.50
92-0183-00	Airistar® 500 Internal Prefilter <i>Color Code: Green</i>	\$11.25
92-0185-00	Airistar® 500 Melt Blown Fiber Filter <i>Color Code: Yellow</i>	\$93.00
92-0186-00	Airistar® 500 VOC/Carbon Filter <i>Color Code: Red</i>	\$33.50
92-0218-00	Airistar® UV Bulb (Requires 2)	\$15.75

Efficient airborne contaminant removal and increased air changes per hour set the Airistar® 500 apart from the competition in alleviating poor IAQ.

Airistar's HEXAFLOW™ purification process efficiently addresses the three primary forms of indoor air contamination, particulate matter, microbes and VOCs, to create quality indoor air environments.

Performance

Sample performance metrics for the Airistar® 500 unit, in terms of air changes per hour, are as follows:

7,500 Cubic Feet

Space: 940 sq. ft. with 8 ft. ceilings
Airflow: 500 cubic feet per minute
Rate of Change: 4.0 air changes / hour (1 unit)

4,800 Cubic Feet

Space: 600 sq. ft. with 8 ft. ceilings
Airflow: 500 cubic feet per minute
Rate of Change: 6.3 air changes / hour (1 unit)

Specifications

- Dimensions: 29" H x 13.75" W x 18" D
- Weight: 70 lbs
- Industrial grade casters for enhanced mobility
- Load rated airflow range: 300 to 500 CFM
- Maximum amp draw: 1.9 amps @ 110V

1050 Air Purification System

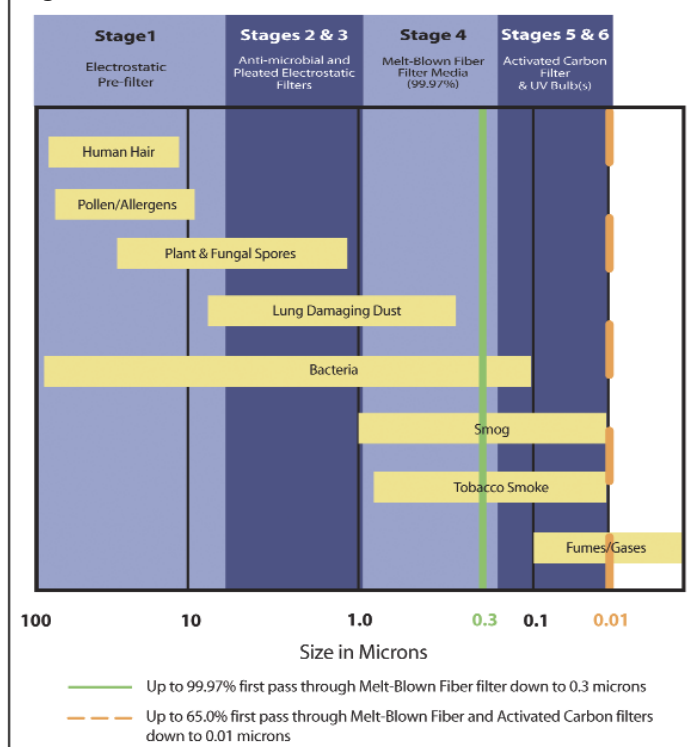
The Airistar® 1050 is a custom version of the Airistar® 1000, tucks away our air purification system in a customized cabinet and is still capable of delivering airflow of up to 1000 cubic feet per minute (CFM). It has all the same features and benefits of the Airistar® 1000. Knowing the limitations of floor space in any casino or commercial environment, a lighted sign or write-on board can be added for advertising purposes (pictured at right). The Airistar® 1050 is designed to handle challenging indoor air quality issues in larger spaces and utilizes HEXAFLOW™, a proprietary six-stage air purification process, to provide more air changes per hour than equivalent size units on the market.

HEXAFLOW™ Purification

Airistar's HEXAFLOW™ purification process allows the Airistar® 500 to deliver up to 99.97% cleaner air.

- Stage 1: Electrostatic Pre-filter – Merv 8
- Stage 2 & 3: Anti-microbial and Pleated Electrostatic Filters
- Stage 4: Melt-Blown Fiber rated 99.97% down to 0.3 microns
- Stage 5: Activated Carbon Filter (Custom VOC filters available)
- Stage 6: 1 Titanium-Coated UV-C Germicidal Ultraviolet Bulb

Figure 1



Contact your
Suzo-Happ Sales
Representative for
Details & Pricing

Specifications

- Dimensions: 67.40" H x 22.66" W x 22.20" D
- Weight: 125 lbs
- Industrial grade casters for enhanced mobility
- Load rated airflow range: 700 to 1000 CFM
- Maximum amp draw: 2.3 amps @ 110V

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Casino Air Purification Systems

Smoke, Odor & Dust Management for Gaming Tables, Count Rooms, Poker Rooms and More!



Airistar's versatile air purification product line provides an efficient solution for the specific indoor air quality issues that challenge today's gaming environments. From count rooms, server rooms, employee break rooms and offices to high stakes areas, gaming tables, bingo halls and poker rooms, Airistar® offers premier localized air purification solutions. Airistar's solutions provide odor, smoke and dust management for large and small areas as well as table specific air purification to protect dealers and guests from secondhand smoke.

Odor and Fume Control

Airistar's standard Activated Carbon Filter is a multi-purpose VOC filter that helps eliminate unwanted smoke, gasses and fumes. This filter can also be customized with Zeolite to control odors related to ammonia based sources. Airistar's high efficiency mechanical filtration does not employ dangerous ozone and only "Latex Free" components are used in the construction of Airistar® products.

High Efficiency Mechanical Filtration

Melt-Blown Fiber filter media which is rated at 95% efficiency down to 0.3 microns at airflow ratios that surpass traditional HEPA filtration, allows Airistar products to significantly reduce the presence of smoke, odors, dust and many airborne pathogens that can cause respiratory distress.

Increased Air Changes per Hour

By utilizing Melt-Blown Fiber media, Airistar® is able to deliver equipment that can create higher airflow and increased air changes per hour than comparable sized air purification units. With this increase in airflow and optimized filter efficiency, Airistar® units allow casinos to create a more inviting, clean environment for guests and employees.

Airistar® 100GT System

The Airistar® 100GT represents the latest advancement in localized air purification within the table game area, providing dealers with a wall of purified air to direct smoke and odors away from them. The system includes a diffuser that can be attached to or easily retrofitted into a table game.

The filtration unit can be mounted under the table or on the floor. The Airistar® 100GT purification system not only works to keep smoke away from the dealer, it also delivers clean air to the area around the table. The front of the diffuser directs the clean air at a 60 degree angle towards the patrons to provide an air curtain between smoking patrons and the employee, while the air from the rear of the diffuser is directed straight up to provide the employee with purified air.

The Airistar® 100GT is a mechanical filtration system that utilizes the most advanced filter media available to strip away unwanted particles without adding dangerous ozone or harmful chemicals to the air.

Key Features and Benefits

- **Three stage purification process:**
Airistar® has developed a unique three-stage air purification process that features Melt-Blown Fiber filter media.
- **Melt-Blown Fiber Filter Media:**
Melt-Blown Fiber filter media is the next generation of HEPA filter media. The Melt-Blown Fiber filter media used in the Airistar® 100GT is rated to capture 95% of particles larger than 0.3 microns at airflow ratios that surpass traditional HEPA filters.
- **Activated Carbon Filter:**
Airistar's multipurpose VOC filter helps eliminate unwanted gases and fumes associated with tobacco products.
- **Airflow Rates:**
Airflow rates of up to 130 CFM can be achieved when the unit is set to maximum blower speed.

Protects Dealers with a wall of Purified Air!



100 GT Table Game Air Purification System

Three Stage Purification

Airistar's three stage purification process allows the Airistar® 100GT to deliver up to 95% cleaner air.

Stage 1: Electrostatic Pre-filter – Merv 7

Stage 2: Melt-Blown Fiber Filter rated 95% efficient to 0.3 microns

Stage 3: VOC / Carbon Filter gas and odor control

Security

Security is always a concern and the Airistar® 100GT has been engineered so that it does not enable table theft / dealer and player tampering.

- Specialty screws are used to prevent access to the components inside.
- An overhang of a quarter of an inch on top of the diffuser prevents anything from being slid between the table and the diffuser.
- Exhaust holes on top of the diffuser are sized for security but large enough for effective air directioning.

Installation

The Airistar® 100GT is designed for various installation options. The purifier and diffuser are connected with a flexible plastic hose so that the purifier can be mounted in any location underneath the table or on the floor. The diffuser itself can either be inserted into the table between the chip tray and back rail or mounted directly to the back rail.

Specifications

- Purifier dimensions: 10" H x 11" W x 16" D
- Diffuser dimensions: 3" H x 2.5" W x 25" L; 7" D under table
- Load rated airflow range: 60 to 130 CFM based on settings

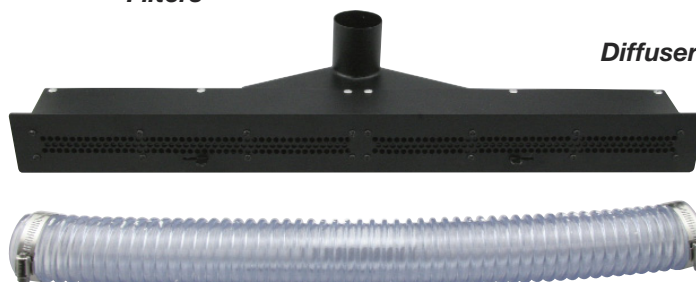


- Maximum amp draw: 1.0 amps @ 110V
- Two speed fan control
- Louvers on diffuser will close to restrict airflow by 25%



Filters

Diffuser



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Las Vegas Office
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Las Vegas, NV 89119

Part Number		Price per ea.
92-0124-00	Airistar® 100GT Table Game Air Purification System (Includes 1 Set of Filters)	\$1,395.00
92-0249-00	Airistar® 100GT Internal Prefilter Color Code: Green	\$24.95
92-0255-00	Airistar® 100GT Melt Blown Fiber Filter Color Code: Yellow	\$56.00
92-0256-00	Airistar® 100GT VOC/Carbon Filter Color Code: Red	\$38.95