



amaircare<sup>®</sup>

*Cleaning the air you breathe.*

Portable and Whole Home

**HEPA AIR FILTRATION SYSTEMS**

Product Catalog

## Why is **Indoor Air Quality** Important?

One of the most serious health problems facing people today is poor Indoor Air Quality (IAQ) and it can affect any indoor space. Even in small doses, air pollution can irritate respiratory conditions, trigger allergic reactions and accumulation over time within the body can lead to chronic illness or in the most severe cases cause death. Although it's impossible to control pollution outside, the quality of the air indoors can be managed. And since people spend approximately 90% of the time indoors, it is essential to understand IAQ and how to improve it.

The origin of IAQ problems is directly related to the development of energy efficient buildings. Buildings constructed or retrofit to consume less energy are sealed tight and do not introduce any new fresh air from outside into the stale inside air. Irritants will remain inside, because there is little air circulation to "flush" the old contaminated air away.

Opening the window isn't the answer either; the outside air quality is rapidly deteriorating. First, think only of one pollution source: latex particles from worn tires on North American highways account for 5 million tons of airborne particulate; where do the particles go? Now think of all the other possible sources of pollution, where the pollution travels and how the substances react with one another when they have the chance to mix.

## What is the answer?

A portable or installed air cleaner or filtering system can drastically improve Indoor Air Quality, if it's the right one.

### **POLLUTION can be categorized in three ways: PARTICULATE, VOLATILE ORGANIC COMPOUNDS (VOCs) and BIOLOGICALS.**



#### **PARTICULATE**

The most harmful particles are so small you can't even see them.

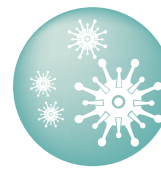
These are known as Microfine Particulate and can penetrate and lodge deep in the respiratory system. Accumulation in the body of these particles over time can lead to great discomfort and eventually illness.



#### **VOCs (VOLATILE ORGANIC COMPOUNDS)**

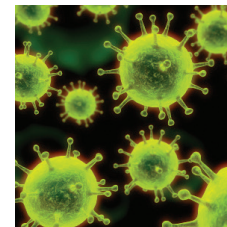
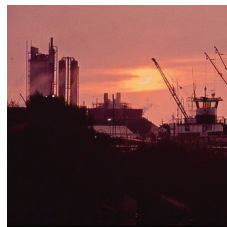
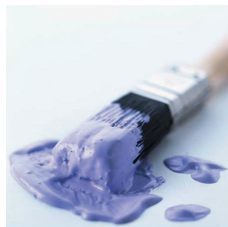
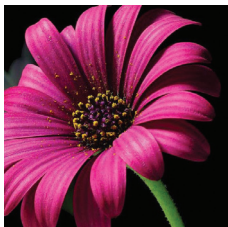
VOCs consist of chemicals in the gas phase. These gases are released from

many items in the home, including, but not limited to: cleaning products, furniture and carpets, paint and plastics. When these chemicals have the chance to react with each other new compounds can form.



#### **BIOLOGICALS**

Living organisms like bacteria and viruses are very small, but can be debilitating when they cause illness. Molds and fungus can also wreak havoc when inhaled into the human body.



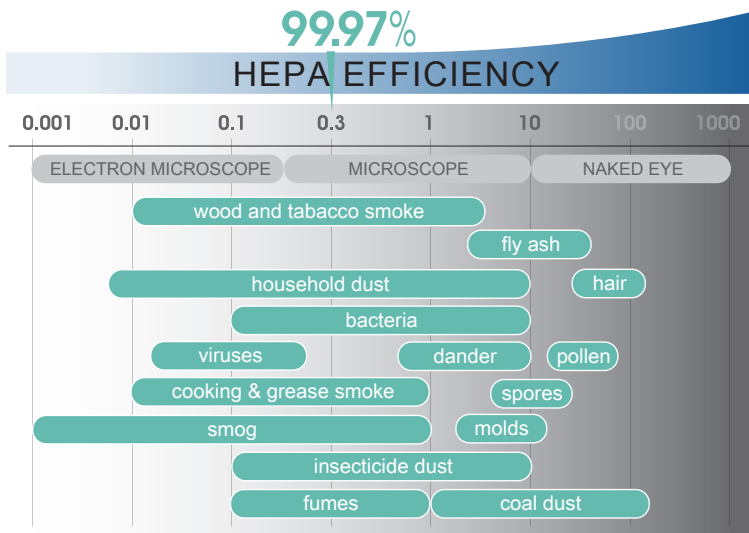
## What is **HEPA**?

HEPA (**H**igh **E**fficiency **P**articulate **A**rrestance) is a filtration standard created by the U.S. Atomic Energy Commission. To qualify as a HEPA filter, a media must be 99.97% efficient at removing particles 0.3 microns in size. Due to the extremely high efficiency, HEPA filters have become widely used in medical, electronic and industrial applications. HEPA filters are composed of various sized borosilicate fibers, which are pressed together to form a net-like structure with openings large enough for air to pass through, but too small for most particulates.

## Why is removing particles 0.3 micron important?

Approximately 85% of easily measurable particulate pollution in the air is 0.3 micron in size. Larger particles, such as; 0.5 and 1.0 make up a much smaller percentage of air pollution. Not only is the abundance of 0.3 micron particles a concern, but the small size allows these particles to travel deep into the lungs, penetrate the lung tissue and even enter the blood stream to cause discomfort, conditions and serious illness.

Removing 99.97% of the particles that pass through the Amaircare® HEPA filter will create an air quality oasis and reduce the stress air pollutions places on the respiratory system and body.



It is known that AIR POLLUTION is a hazard, but how that affects each individual can remain unclear.

The chart on the left provides a visual illustration of the sizing of some particulate substances.

A visual grasp of the size of pollution particles plays an important role in understanding the benefit of HEPA removal at 0.3 micron.

Amaircare® HEPA Systems are so efficient that laboratory testing revealed removal of 95% of particles at 0.1 micron!

## What sets Amaircare® HEPA apart from the competition?

### HEPA Focused Manufacturing

Amaircare® manufactures only mechanical HEPA filters. The technology is simple and proven. Many other methods of cleaning provide poor performance and quickly become obsolete. Amaircare® sticks with technology that works!

### Perfect Seal™

Simply using HEPA media in an air filter doesn't make it a HEPA filter. If the HEPA media is not sealed properly, tiny harmful particles can sneak through. Amaircare® manufactures its own Amaircare® brand of HEPA filters. The filter media comes off a roll and is pleated for optimum surface area. After the pleating process, the filters are enclosed in protective screens and cast in food-grade compound at both ends for a 100% air-proof seal. Each filter is then tested with a laser particle counter for 99.97% efficiency.

Amaircare® filters maintain HEPA efficiency during operation in Amaircare® Air Filtration Systems because a Perfect Seal™ design is used to lock the filter within the system. All dirty air is forced through the filter and only clean air is released back into the room.

### VOC Removal Options & the Stages of Filtration

A very important element of Amaircare®'s filtering system is the carbon stage of filtration. The carbon blanket adsorbs Volatile Organic Compounds or organic chemical compounds in the gaseous phase. This category of pollution is a growing concern. More and more substances in our environments release harmful VOCs that cause people to experience chemical sensitivity. Amaircare® offers a third stage carbon blanket or an upgrade carbon VOC canister for extra VOC capture.

The order of filter stages is extremely important too. Amaircare® systems place the carbon last to ensure VOC adsorption is maximized.

### Modular Filters

Each stage of filtration inside Amaircare® systems can be replaced independently of the other stages to provide maximum performance and value from each filter.

### Construction & Finishing

Many air filters and purifiers available today are made from plastic and contain adhesives or finishes that release VOCs. Amaircare® systems are constructed out of steel, powder coated and contain no harmful adhesives to ensure that the systems only subtract indoor air pollution and don't add to it. The all steel construction also makes the systems durable for many years of reliable clean air.

### Case by Case Approach

You are unique and so is your environment. Amaircare® believes in providing air cleaning solutions designed for your needs rather than the "one-size-fits-all" approach.

### Years of research & Expertise

Amaircare® has built air filtration systems for 16 years. Over this time, a lot of testing and information has been gathered and put to use in continually improving Amaircare® product to respond to current and future quality requirements.

### Air Quality Terminology

- **HEPA:** High Efficiency Particulate Arrestance
- **CFM:** Cubic Feet per Minute
- **ACH:** Air Changes per Hour
- **VOCs:** Volatile Organic Compounds

### How to properly size HEPA...

In order to clean the air in a space properly, the correct capacity air filtration system must be determined.

A formula to calculate the number of Air Changes per Hour (ACH) is used. For average conditions and an average environment, at least one ACH is required; however, more air changes will provide even cleaner air. In certain cases, many air changes may be necessary.

### Sizing Formula

$$\text{CFM (of the HEPA system)} \times 60 \text{ (minutes in an hour)} \div \text{Volume of the Room (in cubic feet*)} = \# \text{ of ACH}$$

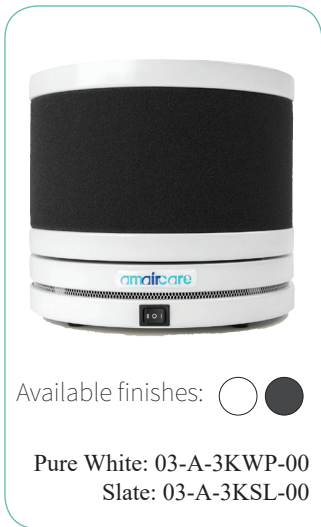
\*Cubic Feet of a Room = Square Footage x Ceiling Height



# THE AMAIRCARE® PORTABLE LINE

## HEPA Air Filtration Systems



### ROOMAID PORTABLE HEPA AIR FILTRATION SYSTEM



Available finishes:  

Pure White: 03-A-3KWP-00  
Slate: 03-A-3KSL-00

Enjoy HEPA filtration in a small room, hotel room, even take it in the car with the Auto Adaptor Kit. The Roomaid has 3-stage filtration: foam prefilter, HEPA filter and carbon inner filter. It's low in energy consumption, just 5 Watts and can plug into the 12V DC power source in the car or into the AC wall receptacle at home. High and Low speeds allow for easy airflow adjustment. Maintenance and filter replacement are easy with the snap on filter design. Third stage VOC canister upgrade available.

#### Replacement HEPA Filters

Pure White:	Item: 90-A-53WP-SO
Slate:	Item: 90-A-53SL-SO
Annual Filter Kit:	Item: 93-A-53ST00-SO
Plus Annual Filter Kit:	Item: 93-A-53PL02-SO
AC Adaptor Replacement	Item: 95-A-1KNA-AD
Auto Adaptor Kit:	
Pure White:	Item: 95-A-3VWP-AD
Slate:	Item: 95-A-3VSL-AD

#### SPECIFICATIONS

Maximum Recommended Room Size:  
300 ft<sup>2</sup> (8' ceilings)

Filter Life: Prefilter - 1 year  
HEPA Filter - 3 to 5 years  
Inner Carbon - 6 months

Airflow: 20 to 40 CFM  
Power Consumption: 25 W (Max)  
Dimensions: 8.5"D x 7.5"H  
Weight: 3.7 lbs.  
dB Rating @ 6': 40 to 47  
2 Speed, 3 Position Switch Control  
Construction: 24 gauge steel housing,  
durable powder coated finish

Comes with an extra prefilter and an AC Adaptor Cord.

### ROOMAID MINI PORTABLE AIR FILTRATION SYSTEM



Available finishes:    

Blue: 02-A-2ECB-00  
Green: 02-A-2EGR-00  
Pink: 02-A-2EPK-00  
Orange: 02-A-2EOR-00

Colourful HEPA filtration designed for the nursery. Easily travels in the car with the Auto Adaptor Kit. 3-stage filtration: foam prefilter, HEPA filter and Formaldezb VOC filter. Low energy consumption. High and Low speeds allow for easy airflow adjustment. Filter replacement is simple with the snap on design.

#### Replacement HEPA Filters

Blue:	Item: 90-A-04CB-SO
Green:	Item: 90-A-04GR-SO
Pink:	Item: 90-A-04PK-SO
Orange:	Item: 90-A-04OR-SO
Annual Filter Kit:	Item: 93-A-04PL05-SO
AC Adaptor Replacement	Item: 95-A-1KNA-AD
Auto Adaptor Kit:	
Blue:	Item: 95-A-3VCB-VK
Green:	Item: 95-A-3VGR-VK
Pink:	Item: 95-A-3VVK-VK
Orange:	Item: 95-A-3VOR-VK

#### SPECIFICATIONS

Maximum Recommended Room Size:  
250 ft<sup>2</sup> (8' ceilings)

Filter Life: Prefilter - 1 year  
HEPA Filter - 3 to 5 years  
VOC Filter - 12 months

Airflow: 12 to 32 CFM  
Power Consumption: 25 W (Max)  
Dimensions: 8.5"D x 6.1875"H  
Weight: 4.4 lbs.  
dB Rating @ 6': 40 to 47  
2 Speed, 3 Position Switch Control  
Construction: 24 gauge steel housing,  
durable powder coated finish

# THE AMAIRCARE® PORTABLE LINE

## HEPA Air Filtration Systems

### 2500 PORTABLE HEPA AIR FILTRATION SYSTEM



Available finishes:

Pure White: 05-A-1KWP-06  
Slate: 05-A-1KSL-06

Ideally sized for use in an apartment or small house, the 2500 will provide 1 ACH for a 1300 sq. ft area\*. It provides Amaircare®'s signature 3-stage filtration with a carbon prefilter, HEPA filter and carbon inner filter. Variable speed control allows for easy adjustment of airflow. Outflow of clean air exhausts from four vents to distribute air evenly. A third stage VOC canister upgrade is available.

Replacement 8" ET HEPA Filter: Item: 90-A-08ME-ET  
Super Standard Annual Filter Kit: Item: 93-A-08SS00-ET  
Super Plus Annual Filter Kit: Item: 93-A-08SP02-ET

#### SPECIFICATIONS

Maximum Recommended Room Size:  
1300 ft<sup>2</sup> (8' ceilings)  
Filter Life: Prefilter - 1 year  
HEPA Filter - 3 to 5 years  
Inner Carbon - 6 months  
Airflow: 175 CFM  
Power Consumption: 84 W  
Dimensions: 16"HEX x 13.5"H  
Weight: 15 lbs.  
dB Rating @ 6': 43 to 61  
Electronic Speed Control and Filter Monitor  
Construction: 24 gauge steel housing,  
durable powder coated finish

### 3000 PORTABLE HEPA AIR FILTRATION SYSTEM



Available finishes:

Pure White: 07-A-1KWP-06  
Slate: 07-A-1KSL-06

Perfect for a sprawling living room, open concept home or small to medium house. Delivering 1 ACH for a 1690 sq. ft. area\*, the 3000 is complete with Amaircare®'s signature 3-stage filtration: carbon prefilter, HEPA filter and carbon inner filter. Six durable casters make it easy to move anywhere! Airflow is simple to control with the Variable Speed Control. A third stage VOC canister upgrade is available.

Replacement 16" ET HEPA Filter: Item: 90-A-16ME-ET  
Super Standard Annual Filter Kit: Item: 93-A-16SS00-ET  
Super Plus Annual Filter Kit: Item: 93-A-16SP02-ET

#### SPECIFICATIONS

Maximum Recommended Room Size:  
1690 ft<sup>2</sup> (8' ceilings)  
Filter Life: Prefilter - 1 year  
HEPA Filter - 3 to 5 years  
Inner Carbon - 6 months  
Airflow: 225 CFM  
Power Consumption: 84 W  
Dimensions: 16"HEX x 23"H  
Weight: 22 lbs.  
dB Rating @ 6': 43 to 61  
Electronic Speed Control and Filter Monitor  
Construction: 24 gauge steel housing,  
durable powder coated finish



**Chemically Sensitive? Asthmatic? High levels of VOCs in your area?** Amaircare® offers an **UPGRADE CARBON VOC CANISTER** for additional VOC capture. All Amaircare® systems can be ordered with the VOC upgrade. PLUS ANNUAL KITS provide all of the upgraded replacement filters needed for one year.

\* listed ACH is calculated by ft<sup>2</sup> x 8' ceilings

# THE AMAIRCARE® WHOLE HOME LINE

## HEPA Air Filtration Systems

### AWW350 WHOLE HOME HEPA AIR FILTRATION SYSTEM



Available finish: ●

Meteorite: 13-A-1KME-00

Deliver clean air to every room in the house! This fully insulated installed HEPA Air Filtration System is whisper quiet and extremely efficient for particulate, bioburden and VOC removal. It easily delivers 1 ACH to a 2625 sq. ft. area\*. No hassle installation, this unit can be quickly installed to the return air duct of the air handling system. The AWW350 diverts a portion of the air from the return air (approx. 30%), cleans the air and introduces it back into circulation.

Installation Kit available. A third stage VOC canister upgrade is available.

Replacement HEPA Filter:	Item: 90-A-16ME-ET
Annual Filter Kit:	Item: 93-A-16ST00-ET
Plus Annual Filter Kit:	Item: 93-A-16PL00-ET
VOC Ultra:	Item: 94-A-1602-UL
Installation Kit (6/8):	Item: 95-A-00NA-K1

<b>SPECIFICATIONS</b>	
Maximum Recommended Area Size:	2625 ft <sup>2</sup> (8' ceilings)
Filter Life: Prefilter -	1 year
HEPA Filter -	3 to 5 years
Inner Carbon -	6 months
Airflow:	350 CFM
Power Consumption:	125 W
Dimensions:	14.375"W x 14.375" L x 27"H
Weight:	33 lbs.
Toggle ON - OFF Control	
Construction:	24 gauge steel housing, durable powder coated finish
Intake:	8" D
Outflow:	6" D

### AWW675 WHOLE HOME HEPA AIR FILTRATION SYSTEM



Available finish: ●

Meteorite: 14-A-1KME-00

This model services an area of just over 5050 sq. ft.\* providing 1 (one) ACH. Full cabinet insulation allows for operation that is quiet in a wide variety of climates. Installation to the air handling system is quick and simple. The by-pass design allows for a portion of air to be diverted from the return air duct, cleaned and entered back into the air circulation. This method efficiently captures air pollution without any risk to the function of the air handling system. The AWW675 can also be installed to run independently. Installation Kit available.

A third stage VOC canister upgrade is available.

Replacement HEPA Filter:	Item: 90-A-16ME-ET
Annual Filter Kit:	Item: 93-A-16ST00-ET
Plus Annual Filter Kit:	Item: 93-A-16PL00-ET
VOC Ultra:	Item: 94-A-1602-UL
Installation Kit (8-10):	Item: 95-A-00NA-K2

<b>SPECIFICATIONS</b>	
Maximum Recommended Area Size:	5050 ft <sup>2</sup> (8' ceilings)
Filter Life: Prefilter -	1 year
HEPA Filter -	3 to 5 years
Inner Carbon -	6 months
Airflow:	675 CFM
Power Consumption:	225 W
Dimensions:	14.375"W x 14.375" L x 27"H
Weight:	36 lbs.
Toggle ON - OFF Control	
Construction:	24 gauge steel housing, durable powder coated finish
Intake:	10" D
Outflow:	8" D

Many items purchased today are made from plastic and manufactured offshore from unknown substances. The VOCs that these items off-gas are held in living spaces by energy efficient building construction. Upgrading the third stage carbon filter in an Amaircare® System to a **CARBON VOC CANISTER** will provide enhanced protection.

Capture VOCs in the CANISTER instead of your body!



\* listed ACH is calculated by ft<sup>2</sup> x 8' ceilings

# THE AMAIRCARE® WHOLE HOME LINE

## HEPA Air Filtration Systems

### 7500 WHOLE HOME HEPA AIR FILTRATION SYSTEM



Need more CFM? Then this is the system! 1000 CFM provides 1 ACH for 7500 sq. ft.\* Installs easily with two 8" diameter outflow connections and one 14" diameter intake connection. Right and left side knock-outs provide versatility for installation. Unit modules can be combined to increase airflow ratings when required. End door removes for easy filter maintenance. Dual HEPA cartridge design allows for enhanced performance.

A third stage VOC canister upgrade is available.

Replacement HEPA Filter (Single)*:	Item: 90-A-16ME-ET
Annual Filter Kit (Single)*:	Item: 93-A-16ST00-ET
Plus Annual Filter Kit (Single)*:	Item: 93-A-16PL00-ET
VOC Ultra (Single)*:	Item: 94-A-1602-UL

\*requires two.

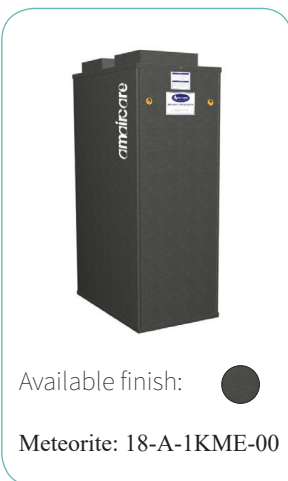
#### SPECIFICATIONS

Maximum Recommended Area Size:  
7500 ft<sup>2</sup> (8' ceilings)

Filter Life: Prefilter - 1 year  
HEPA Filter - 3 to 5 years  
Inner Carbon - 6 months

Airflow: 1000 CFM  
Power Consumption: 320 W  
Dimensions: 27"W x 38"L x 40"H  
Weight: 82 lbs.  
Variable Speed Switch Control  
Construction: 18 gauge steel housing,  
durable powder coated finish  
Intake: 14" D      Outflow: 2 or 4 8" D

### 10 000 WHOLE HOME HEPA AIR FILTRATION SYSTEM



The largest capacity model in the Amaircare® line! 1000 CFM delivers 1 ACH to a 7500 sq. ft. area\*. The TriHEPA design provides ample collection of airborne particulate, biologicals and VOCs. Three individual filter modules employ 3 stage filtration and are easy to maintain through the removable end panel door. Set the function speed to suit any use with the variable speed control.

A third stage VOC canister upgrade is available.

Unit modules can be combined to provide increased airflow ratings when required.

Replacement HEPA Filter (Single)**:	Item: 90-A-16ME-ET
Annual Filter Kit (Single)**:	Item: 93-A-16ST00-ET
Plus Annual Filter Kit (Single)**:	Item: 93-A-16PL00-ET

\*\*requires three.

#### SPECIFICATIONS

Maximum Recommended Room Size:  
7500 ft<sup>2</sup> (8' ceilings)

Filter Life: Prefilter - 4 months  
HEPA Filter - 3 to 5 years  
Inner Carbon - 6 months

Airflow: 1000 CFM  
Power Consumption: 600 W  
Dimensions: 17"W x 28"L x 50"H  
Weight: 130 lbs.  
dB Rating @ 6': 60 to 70  
Variable Speed Switch Control  
Construction: 18 gauge steel housing,  
durable powder coated finish  
Intake/Outflow: Rectangular Connections  
- 10" x 12"

#### COULDN'T YOU USE MORE FRESH AIR?

Sealed homes require the introduction of fresh air, this is often achieved with a Heat Recovery Ventilation System/Energy Recovery Ventilation System. The filters provided in an HRV/ERV don't protect you from the pollution brought in with the fresh air.

An Amaircare® HEPA Air Filtration System is the perfect compliment to a HRV/ERV. An Amaircare® System will ensure that the fresh air brought in is filtered for microfines, biologicals and VOCs.

\* listed ACH is calculated by ft<sup>2</sup> x 8' ceilings

# AMAIRCARE<sup>®</sup> LIMITED WARRANTY

## for HEPA Air Filtration Systems

Americair Corporation warrants Amaircare HEPA Air Filtration Systems to the original retail purchaser as follows:

1. The motor/fan part is warranted for five (5) years from the date of purchase under the following conditions:
2. All other component parts (except filters) are warranted for one (1) year from the date of purchase under the following conditions:
  - i. The Amaircare HEPA Air Filtration System has failed under normal use, due to defects in material or workmanship.
  - ii. The Amaircare HEPA Air Filtration System has been operated according to the manufacturers recommendations.
  - iii. The Amaircare HEPA Air Filtration System has been operated in compliance with the voltages specified on the product.
  - iv. An authorized Amaircare dealer or a service provider agreed upon by both the consumer and the manufacturer has performed an inspection.
  - v. There have been no attempts to modify the Amaircare HEPA Air Filtration System from its original condition.

Actions contrary to the above will void the Amaircare warranty.

Amaircare HEPA Air Filtration Systems that have qualified for warranty and met all of the above conditions will, at the discretion of the manufacturer, have the failing components repaired or replaced or, at the option of the manufacturer, be replaced with a new system.

### MAKING A WARRANTY CLAIM

The consumer may make a warranty claim by contacting any authorized Amaircare dealer. The dealer will then contact the manufacturer, Americair Corporation, to obtain a Repair Return Authorization.

If the consumer is unable to contact an authorized dealer in their area, they should directly contact the manufacturer, Americair Corporation, at 1 800 268 7732 or [info@amaircare.com](mailto:info@amaircare.com) to obtain a Repair Return Authorization.

To obtain a Repair Return Authorization, a valid serial number and original proof of purchase must be presented to the manufacturer.

### RETURNING THE SYSTEM FOR WARRANTY INSPECTION AND/OR REPAIR

Prior to returning any product for warranty inspection and/or repair, the consumer must remove all filter components.

In the interest of hygiene, consumer and employee safety, Americair Corporation will not receive any filter media that has left the manufacturer's premises. Any Systems returned for inspection and/or repair with the filters included WILL NOT BE RECEIVED by Americair Corporation and will be returned to the consumer/dealer at the consumer/dealer's expense.

Excluding the filters, the consumer is required to return all other original system components, including adapters if applicable. The consumer/dealer is responsible for packaging the product appropriately to be shipped back to the manufacturer. Americair Corporation will not be responsible for damages incurred during return shipment due to improper packaging.

Due to issues of hygiene, consumer safety and the safety of Americair Staff, Americair Corporation will not accept returned products on the basis of buyer's remorse.



AMERICAIR CORPORATION  
770 Gana Court, Mississauga, ON, L5S 1P1  
t: 905 565 9488 f: 905 565 9866  
toll free: 800 268 7732  
[info@amaircare.com](mailto:info@amaircare.com) [www.amaircare.com](http://www.amaircare.com)