



**M10PAC1625/2020/2025 & M13PAC1625/2020/2025 Series
Owner's Manual**

INTRODUCTION

Thank you for your recent Air Cleaner purchase. We sincerely appreciate your business and are pleased to add your name to our growing list of customers. With this purchase, you have invested in the highest quality equipment currently available.

Please be assured that in addition to product quality, we are also committed to performance as well as customer satisfaction.

IMPORTANT: Scheduled replacement of the Genuine Source 1 filtering media is necessary. See page 3 for details.

Now, please take a few minutes and read this booklet. This will familiarize you with the benefits you will receive from the equipment

you just purchased and help you understand the routine maintenance that will be required.

Your Air Cleaner is an investment in healthful comfort for your family and protection for your home and furnishings. With this purchase, you have invested in an air cleaner that is many times more efficient than ordinary furnace or air handler filters which you may be familiar with. There are many benefits you may expect from your Air Cleaner. This manual is furnished to acquaint you with these benefits, and with operation and maintenance information to insure the high level of performance this high efficiency air cleaner is designed to provide.

PERFORMANCE

A whole-house air cleaner, is installed by your heating and air conditioning contractor as one of the components in your heating and cooling system. It cleans the air that circulates through your home (see **Figure 1**).

When the heating or cooling equipment turns on, the air in your home travels through the registers and return duct(s) to the heating and cooling equipment where it is conditioned and sent back into the rooms of your house through the supply ducts. Small particles from numerous sources are suspended in your home's air, just as they are suspended in the air outdoors. The largest of these particles will eventually come to rest and appear as dust. Smaller particles may come to rest, but with even the slightest disturbance will re-suspend

into the air. These particles are very small, and come from natural sources such as dust and pollen and from manmade sources such as tobacco smoke or exhaust. The air cleaner is installed on or near the furnace/air handler and removes the particles that travel with the air that circulates through your heating and cooling system. Removing these particles keeps the equipment components clean and more importantly removes particles from the air you breathe. Particles are measured in microns, which is a unit of measure used for very small things (1 micron = 1/25,400 inch). For reference, the diameter of a human hair is approximately 100 microns. **Figure 2** shows the size of various particles that can be found in the air.

FIGURE 1

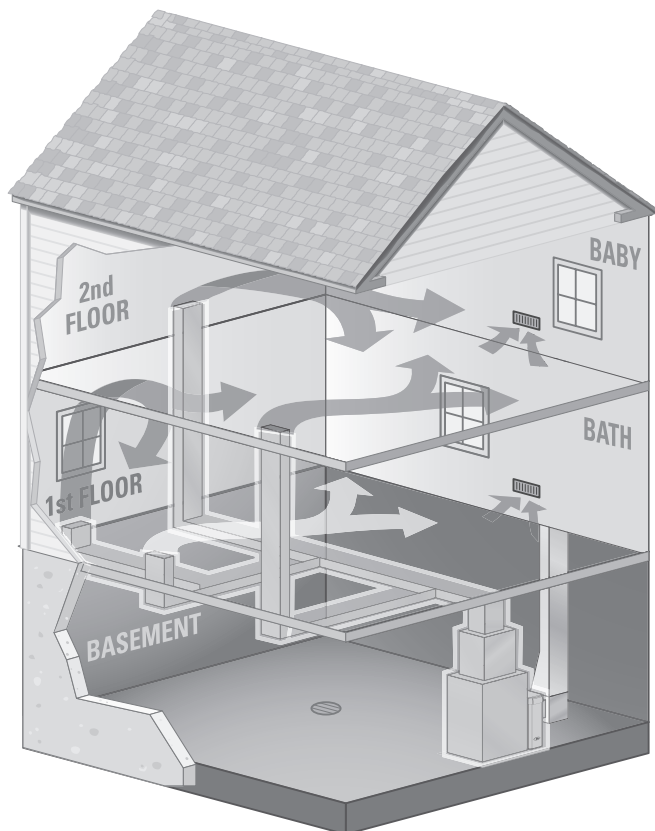
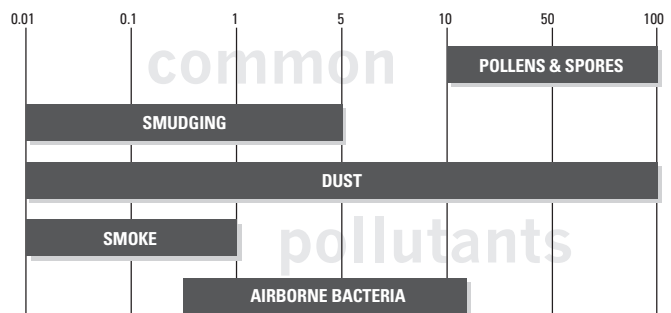


FIGURE 2

Common Pollutants

Particle sizes in microns* (1 micron = 1/25,400 inch)



*American Society of Heating, Refrigeration and Air Conditioning Engineering Guide

90-1148

OPERATION

Household dust is typically an accumulation of particles in a size range of .01 micron up to 100 microns. **Pollens and spores**, which can aggravate allergy symptoms, are usually in the 10-100 micron size range.

The visible household dust particles, and nearly all pollen and spore particles, therefore, can be caught and permanently held, very easily, *if you can get them to the air cleaner*. With central high efficiency air cleaners, the blower of your heating/air conditioning system performs the air movement function.

Continuous air cleaning will be accomplished when your thermostat is set for continuous air circulation ("Fan On"). If continuous air cleaning is not required, or desired, set your thermostat to "Fan Auto".

For those who choose periodic cleaning, (as opposed to continuous cleaning through continuous furnace blower operation), the most important period is during—and for several hours after—vacuuming your home. The vacuuming process (unless you have a central vacuum system) stirs up a large volume of dust particles which must be drawn into your air cleaner.

Many of the dust particles generated, while vacuuming, are so heavy they "fall" out of the airstream before they can be drawn out of your living area. This is why it is important to do household dusting several hours after vacuuming. Normally once the heavy particles "fall out", they are only reintroduced to the air by vacuuming, or similarly vigorous activity.

Where allergy symptoms, which are aggravated by pollens and spores, are a concern, continuous cleaning is strongly encouraged.

To recap, when removing household dust is the major benefit you are seeking, you should operate your air cleaner during and following periods when dust is being generated or "stirred up". For pollens and spores which aggravate an allergy condition, your cleaner must be operated continuously when these pollutants are in the environment. The air cleaner can only be effective when air containing the contaminants is drawn through the filtering media.

MAINTENANCE

The only maintenance required is the periodic replacement of the disposable Source 1 Filtering Media which you can do in a few minutes. The frequency of replacement will vary with operation time, the number of particles generated in the home and is affected by: number of people and their activities, the amount of carpeting, pets, size of home, number of smokers, the pollution level of the area.

We recommend replacing the media each year. However, if you do not run your blower continuously the media may last up to two years. Air conditioning systems larger than 3.5 tons, or heating systems larger than 130,000 BTUs per hour (1400 cfm), will require more frequent attention if operated continuously.

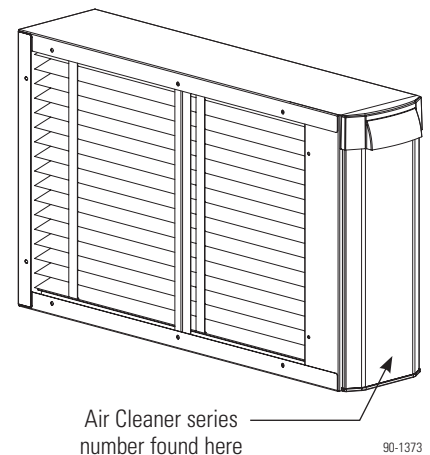
CHANGING THE FILTER

Replace the filtering media with genuine Source 1 SelfSeal™ filters, available from your installing contractor. **IMPORTANT:** Follow the step by step directions on the filter carton to ensure that it is installed in the proper orientation – the outlet side of the filtering media is the expanded metal.

Air Cleaner	Replacement Media
M10PAC2025	Model S1-AA211 with SelfSeal™
M10PAC2020	Model S1-AA311 with SelfSeal™
M10PAC1625	Model S1-AA411 with SelfSeal™
M13PAC2025	Model S1-AA213 with SelfSeal™
M13PAC2020	Model S1-AA313 with SelfSeal™
M13PAC1625	Model S1-AA413 with SelfSeal™

The series number for your air cleaner can be found on the door label (see **Figure 3**).

FIGURE 3



CHOOSE THE FILTER MEDIA THAT'S BEST FOR YOUR HOME AND YOUR FAMILY		
Captures	Model S1-AA211, S1-AA311, S1-AA411	Model S1-AA213, S1-AA313, S1-AA413
Dust	✓	✓
Pollen	✓	✓
Fungi	✓	✓
Mold	✓	✓
Pet Dander	✓	✓
Virus Size Particles		✓
Bacteria		✓
Virus Size Particles 0.3 - 1 Microns	N/A	75%
Dust 1 - 3 Microns	50%	90%
Pollen and Mold Spores 3 - 10 Microns	85%	90%

LIMITED WARRANTY

UPG warrants this product to be free from defects in factory workmanship and material under normal use and service and will, at its option, repair or replace any parts that prove to have such defects according to the terms outlined on this warranty. This warranty covers only the equipment described by the Product Model Number and Serial Number listed on the Warranty Registration Card.

For your benefit and protection, return the Warranty Registration Card to UPG promptly after installation. This will initiate the warranty period and allow us to contact you, should it become necessary. In the absence of a recorded Warranty Registration Card, the warranty period will begin upon product shipment from UPG.

This warranty extends only to the original consumer purchaser and is non-transferable. For this warranty to apply, the product must be installed according to UPG recommendations and specifications, and in accordance with all local, state, and national codes; and the product must not be removed from its place of original installation. The warranty period for repair or replacement parts provided hereunder shall not exceed beyond the warranty period stated below.

PREMIUM HUMIDIFIERS AND AIR CLEANERS
PARTS
5 yrs

UPG strongly recommends regular periodic preventative maintenance on this equipment. The person most familiar with the equipment in your HVAC system is a UPG dealer. The UPG dealer can ensure your maintenance program meets the conditions of the "UPG Warranty," maximize the efficiency of the equipment, and service your unit within the mandated guidelines. This warranty applies only to products installed in the United States and Canada.

EXCLUSIONS

This warranty does not cover any:

1. Shipping, labor, or material charges.
2. Damages resulting from transportation, installation, or servicing.
3. Damages resulting from accident, abuse, fire, flood, alteration, or acts of God (tampering, altering, defacing or removing the product serial number will serve to void this warranty).
4. Damages resulting from use of the product in a corrosive atmosphere.
5. Damages resulting from inadequacy or interruption of electrical service or fuel supply, improper voltage conditions, blown fuses, or other like damages.
6. Cleaning or replacement of filters.
7. Damages resulting from failure to properly and regularly clean air and/or water side of condenser and evaporator.
8. Damages resulting from: (I) freezing of condenser water or condensate; (II) inadequate or interrupted water supply; (III) use of corrosive water; (IV) fouling or restriction of the water circuit by foreign material or like causes.
9. Damages resulting from operation with inadequate supply of air or water.
10. Damages resulting from use of components or accessories not approved by UPG (vent dampers, etc.).
11. Increase in fuel or electric cost.
12. Disposable humidifier pad which will have to be replaced from time to time depending on the amount of use.
13. Disposable media which will have to be replaced from time to time depending upon the amount of use.
14. Inner housing seal.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SOME STATES DO NOT ALLOW THE DISCLAIMER OF IMPLIED WARRANTY, SO THAT THE ABOVE DISCLAIMER MAY NOT APPLY TO YOU.

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SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, OR FOR STRICT LIABILITY IN TORT, SO THAT THE ABOVE EXCLUSIONS AND LIMITATIONS MAY NOT APPLY TO YOU.

UPG DOES NOT ASSUME, OR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR UPG, ANY OTHER LIABILITY FOR THE SALE OF THIS PRODUCT.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

For Owner's Information:

PRODUCT MODEL NO. _____

INSTALLATION DATE _____

UNIT SERIAL NO. _____

INSTALLING DEALER _____

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