



## TRUE COMFORT IIII

This manual covers the following models:

- **MAC1608**
- **MAC1612**
- **MAC2008**
- **MAC2012**

**A trained, experienced technician must install this product.**

Carefully read these instructions. You could damage this product or cause a hazardous condition if you fail to follow these instructions.

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### Need Help?

For assistance with this product please visit <http://www.pro1iaq.com> or call Pro1 Customer Care toll-free at 888-Pro1iaq (776-1427) during normal business hours (Mon-Fri 9 AM - 6 PM EST)

Una versión española de este manual puede ser descargada en [www.pro1iaq.com](http://www.pro1iaq.com)

### Features

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Easy to maintain, high efficiency media designed to capture small, medium and large airborne particles

Applicable to forced warm air furnaces and cooling systems up to 5 tons

Designed to support weight of a residential furnace and a residential evaporator coil

No electricity is consumed

Quick and easy media filter replacement



#### **Important:**

It is very important to change the media filter on a regular basis. A clean media filter improves the efficiency and longevity of your heating and cooling system.

### Specifications

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#### **Models:**

**MAC1608**

MERV 8 media filter \*

Replacement filter model: **F1608**

**MAC1612**

MERV 12 media filter \*

Replacement filter model: **F1612**

**MAC2008**

MERV 8 media filter \*

Replacement filter model: **F2008**

**MAC2012**

MERV 12 media filter \*

Replacement filter model: **F2012**

#### **Filter Media:**

Our pleated design has greater media capacity than non-pleated filters

#### **Temperature Rating:**

-40° to +140° F (-40° to +60° C).

#### **Dimensions:**

**F1608:** 16"x25"x4" (actual size 15.5" x 24.5" x 3.75")

**F1612:** 16"x25"x4" (actual size 15.5" x 24.5" x 3.75")

**F2008:** 20"x25"x4" (actual size 19.5" x 24.5" x 3.75")

**F2012:** 20"x25"x4" (actual size 19.5" x 24.5" x 3.75")

\* Based on AHRAE Standard 52.2-1992

## Application

The Pro1 media air cleaner cabinet is designed to capture a significant amount of airborne particles. The cabinets are sold with a MERV 8 media filter or a MERV 12 media filter. The Pro1 media filter cabinets can be installed in all forced warm air furnaces and cooling systems up to 5 tons.

## Mounting Positions

The Pro1 media air cleaner cabinet can be mounted in any position.

## Installation

### 1. Plan the Installation:

The Pro1 media air cleaner cabinet is designed to support the weight of a residential furnace and residential evaporator coil. This media air cleaner can be mounted in any position in the return air duct. Typically, the media air cleaner is mounted next to the furnace blower compartment.

The media air cleaner cabinet is designed to be installed in the return air duct. Do not mount the media air cleaner cabinet in the supply duct.

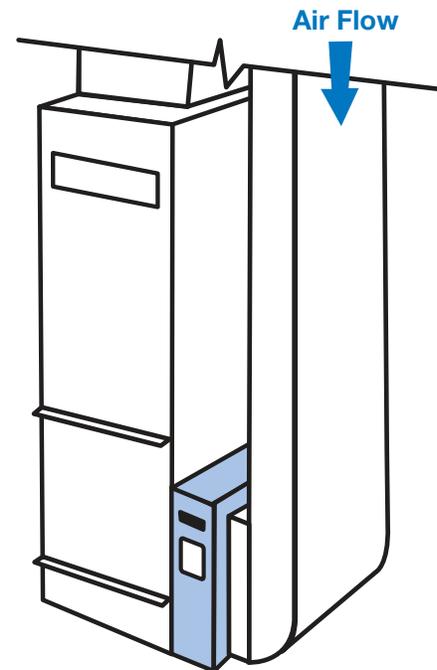
Install the media air cleaner cabinet in a manner that spreads airflow evenly across the media filter. Gradual transitions are required if the duct is a different size than the media air cleaner cabinet. To prevent turbulence, the maximum amount of expansion on each side of the transition is 20 degrees.

Turning vanes are required if the duct turns sharply just before attaching to the media air cleaner cabinet. For example, turning vanes would be required if there is an abrupt 90 degree elbow in the duct directly next to the media air filter cabinet.

Install the media air cleaner cabinet in an area that allows for at least 27" of clearance in front of the cabinet door for easy replacement of the media air filter.

## PRO1 Tip

Choose a mounting location that is upstream of the furnace and/or evaporator coil. This will keep the furnace and/or evaporator coil clean.



## PRO1 Tip

When installing the Pro1 media air cleaner with a humidifier, choose a mounting location that will not allow the water mist to come in contact with the media filter.

## 2. Fasten the Media Cabinet to The Furnace

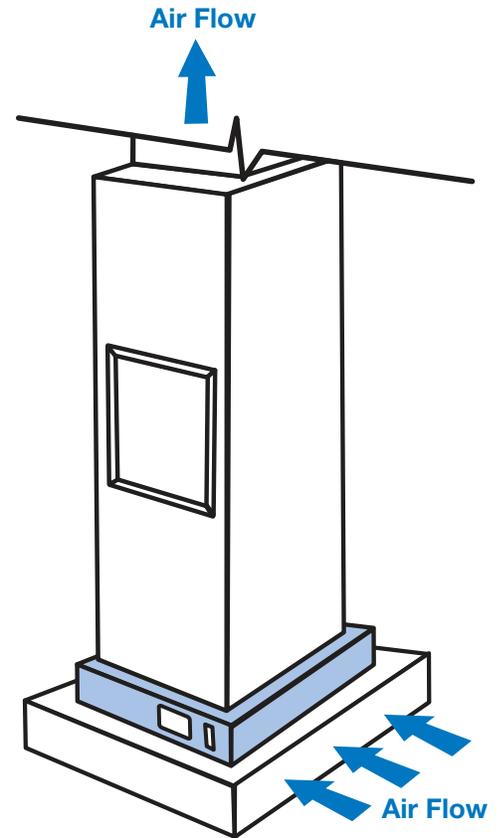
Place blocks under the cabinet and align the cabinet with the return air opening. Carefully create an opening in the furnace to match the media filter cabinet opening. You can attach the media filter cabinet directly to the furnace or fit a starting collar in the furnace opening. Secure the cabinet in place by using locking pliers. Drill holes and secure the cabinet to the furnace with sheet metal screws (rivets or slip joints are also suitable).

## 3. Fasten Media Cabinet to the Return Duct

Secure the cabinet in place by using locking pliers. Drill holes and secure the cabinet to the ductwork with sheet metal screws (rivets or slip joints are also suitable).

## 4. Seal Joints to Prevent Leaks

Ensure all joints are sealed.

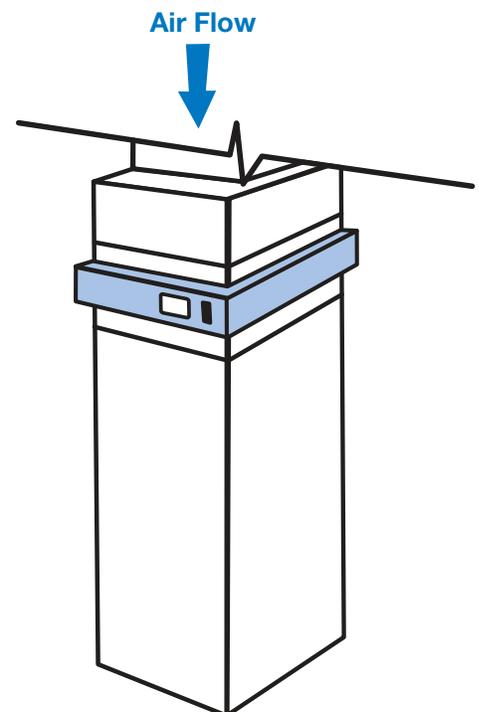


## Installing the Media Filter

The arrow on the media filter must point in the direction of the air flow. If the media cabinet is installed in the return air side of the duct work, the arrow will typically point toward the blower compartment.

## Replacement Schedule

It is very important for optimal heating and cooling system efficiency to replace the media filter as recommended by your heating and cooling technician. The climate in which you live and the particulate count in your indoor environment will be considered when your heating and cooling technician personalizes a replacement schedule for your particular application. In many climates, it is best to replace the filter at least before the heating season and before the cooling system. The filter should always be replaced at least once a year in all circumstances.



### Final Checks

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Check installation:

1. Media air cleaner cabinet is installed securely on the return air side of the system.
2. The arrow on the media filter points in the direction of the air flow.
3. If used, turning vanes and transitions are installed properly.
4. All joints in ductwork and between media filter and furnace are properly sealed to prevent leaks.
5. Blower compartment is cleaned and the original furnace filter has been removed.

### Contact Us

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**Hours of Operation:**

Monday - Friday 9 AM - 6 PM EST