



Operation and Installation Manual



Whole House Air Cleaner

**Model
TFP-PLATINUM**

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NOTE: Due to ongoing research and product development, specifications, ratings and dimensions are subject to change without notice.

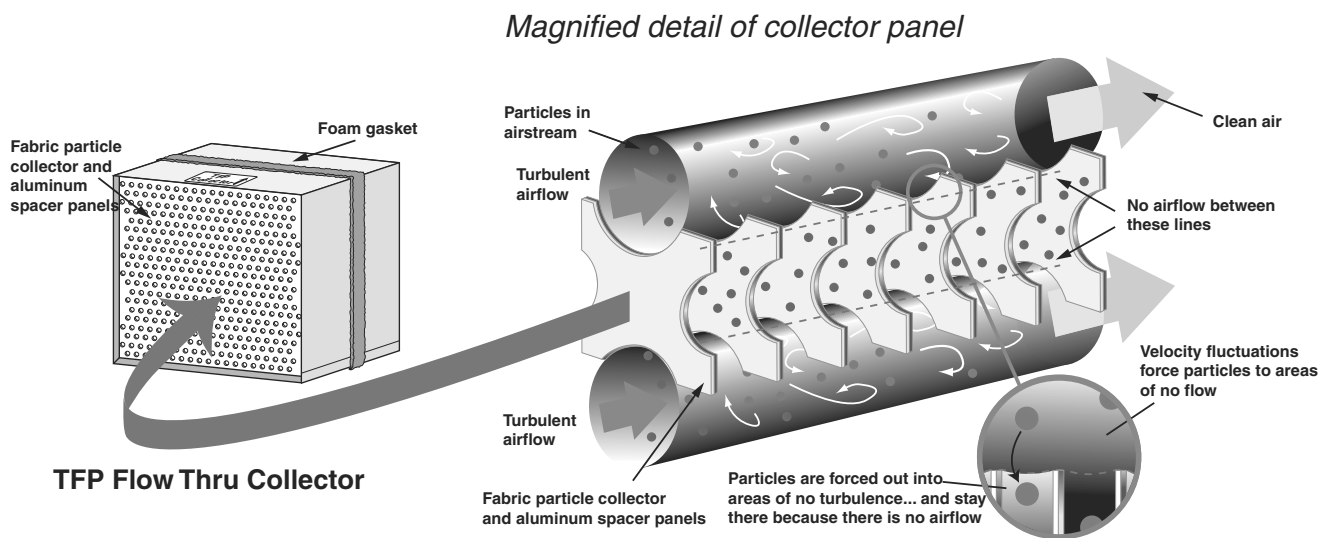


Overview

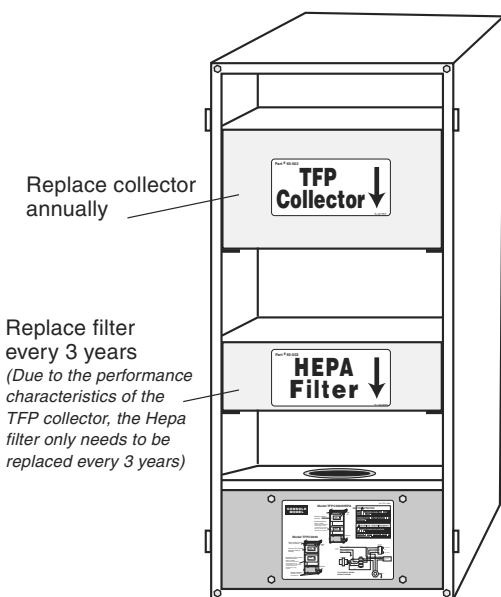
The Platinum TrueHEPA TFP Air Cleaner uses "Turbulent Flow Precipitation" to remove the millions of dangerous airborne particles in your home. This technology is based on the Dullien Principle which removes tiny airborne particles which enter the lungs and can cause respiratory problems.

The quiet operating unit has a 2-speed selector switch, along with a high efficiency fan motor, and a foil faced insulated cabinet that is easy to clean.

The Turbulent Flow Precipitation Principle



Model TFP-Platinum



NOTE

Collector and HEPA Filter life expectancy is based on normal household use.

Overview

TFP (Turbulent Flow Precipitator) Technology removes health threatening particles from the air far more effectively than most other residential cleaners. It operates continuously at maximum efficiency without the need for constant adjustment and cleanout. Unlike some air cleaners, it introduces absolutely no ozone into your home. It cleans the air throughout your home, benefiting all the family, all the time. The TFP allows air to circulate freely, without putting any extra load on your air distribution system.

Is the TFP a patented unique technology or just another filter?

Airia Energy Systems hold the patent for this TFP technology. The TFP series are the only one of its kind.

How much maintenance is involved? How often do the filters need to be replaced?

As tested under average household dust loading, the TFP should be inspected annually. Typically the primary collector should be replaced annually and the secondary collector should be replaced every 2 years.

TFP Questions & Answers

Why do I need a Platinum TrueHEPA? The air in today's homes is 3 to 5 times more polluted than outdoor air creating health problems such as asthma, allergies, headaches, and fatigue for the home's occupants. The Platinum TrueHEPA TFP Air Cleaner will remove 99% of these polluting particles from your home creating a clean and comfortable environment for you and your family.

Will I notice a difference in the amount of dust in my home?

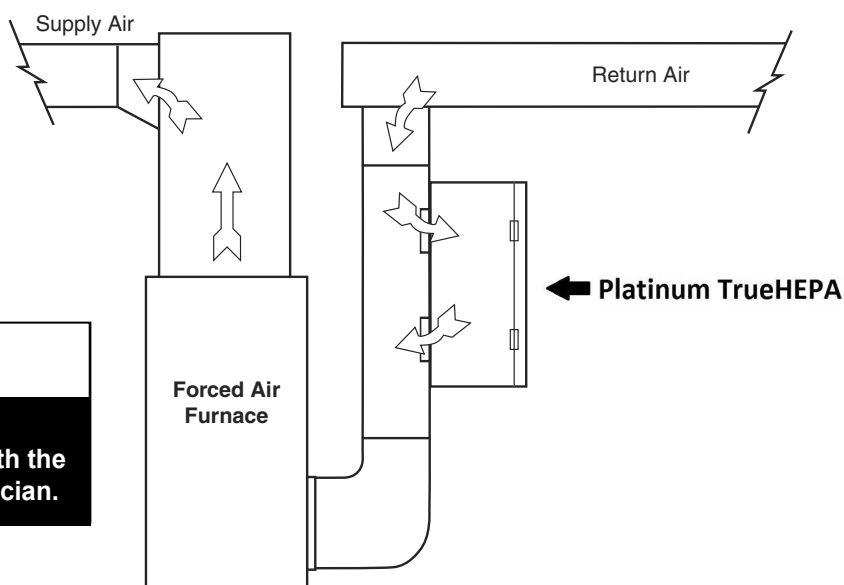
We have received numerous testimonials from satisfied customers attesting to the significant drop in dust found in the homes where a TFP is installed.

Does the TFP generate harmful ozone? The TFP series is an induced airflow system which requires no electric charge.

Installation

Location

The Platinum TrueHEPA is installed directly onto the return plenum of the forced air heating system.



⚠ ATTENTION

The furnace fan and/or HRV must operate continuously or interlock them electrically with the TFP is acceptable. Consult a certified technician.

ENGINEERING DATA

MOTORS AND BLOWERS

High efficiency PSC Motor - 150 cfm @ .4" WC 110 watts - 120 VAC. Standard three prong plug to receptacle. The TFP is equipped with a standard power supply of 5'5" (1.6 meters) cable.

COLLECTOR AND FILTER

One replaceable TFP collector and one replaceable HEPA filter. Easy to remove for cleaning and replacement. Annual inspection recommended.

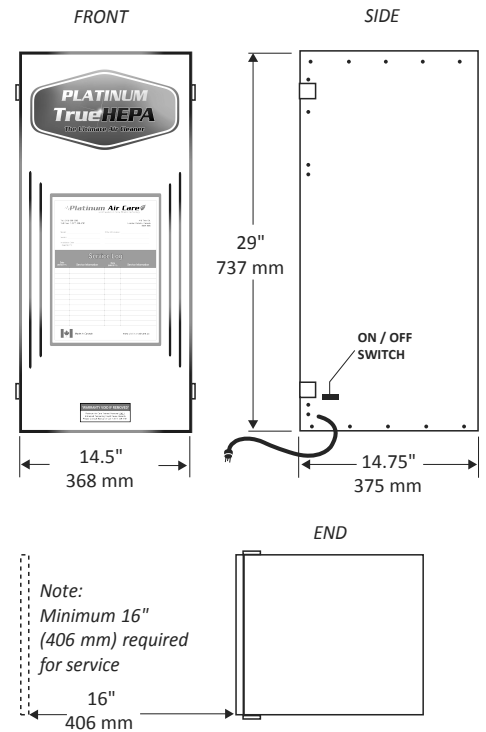
MOUNTING THE AIR CLEANER

The TFP-PLATINUM air cleaner is to be mounted directly to the return duct of the forced air system.

OPTIONS

- 65-502R One replacement HEPA Filter
- 65-503R One replacement TFP Collector

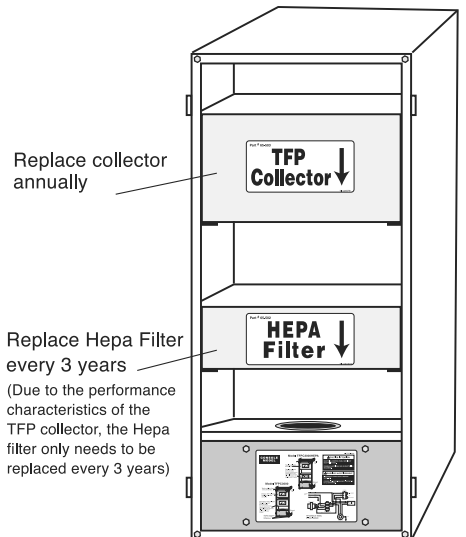
DIMENSIONS TFP-PLATINUM



All duct connections are 7" (178 mm)

Model TFP-PLATINUM Particle Capture Rate	
Particle Size (microns)	Percentage Caught
.3 or more	99.7%

- Model TFP-PLATINUM - 99.97% efficient at .3 microns.
- A human hair is 100 microns wide.
- Spores and pollen are all larger than 8 microns.
- A micron is 1/1000 of a millimeter, or less than 1/2 of 1/10,000 of an inch.



All units conform to CSA and UL standards

NOTE: All specifications are subject to change without notice.

Date: _____

Tag: _____ Qty: _____

Project: _____

Engineer: _____

Contractor: _____

Supplier: _____

Quote #: _____

Submitted By: _____

Operating Instructions and Annual Check-up

Operating Instructions

It is recommended the unit run continuously to provide the full benefits of particulate removal.

Maintenance

Annual inspection is recommended for cleaning and replacement of the Collectors/ HEPA filter. Discard and replace the collectors when required. Normally the primary collector is replaced annually and the secondary collector is replaced every 3 years.

As each home differs in size, occupancy, location, infiltration rates and homeowner needs, an estimation of when to change the collectors is difficult.

The collectors will slide out. Some discoloration of the collector medium can be expected. If loose dust falls from the collector, it is time to replace it. Turn off the TFP, furnace fan and HRV. Open the door and slide out the collectors to check buildup and do an annual inspection of the overall unit. Before replacing any collectors, vacuum any dust inside the cabinet or from the surrounding area.

When replacing the collectors, make sure the directional arrows are noted and the collectors are installed correctly. Close the door and restart the TFP, furnace and HRV fan.

If your TFP is installed with a forced air heating system, you are still required to use the recommended furnace filter. This may be a good time to inspect this filter as well.

When new collectors are required, call your dealer.

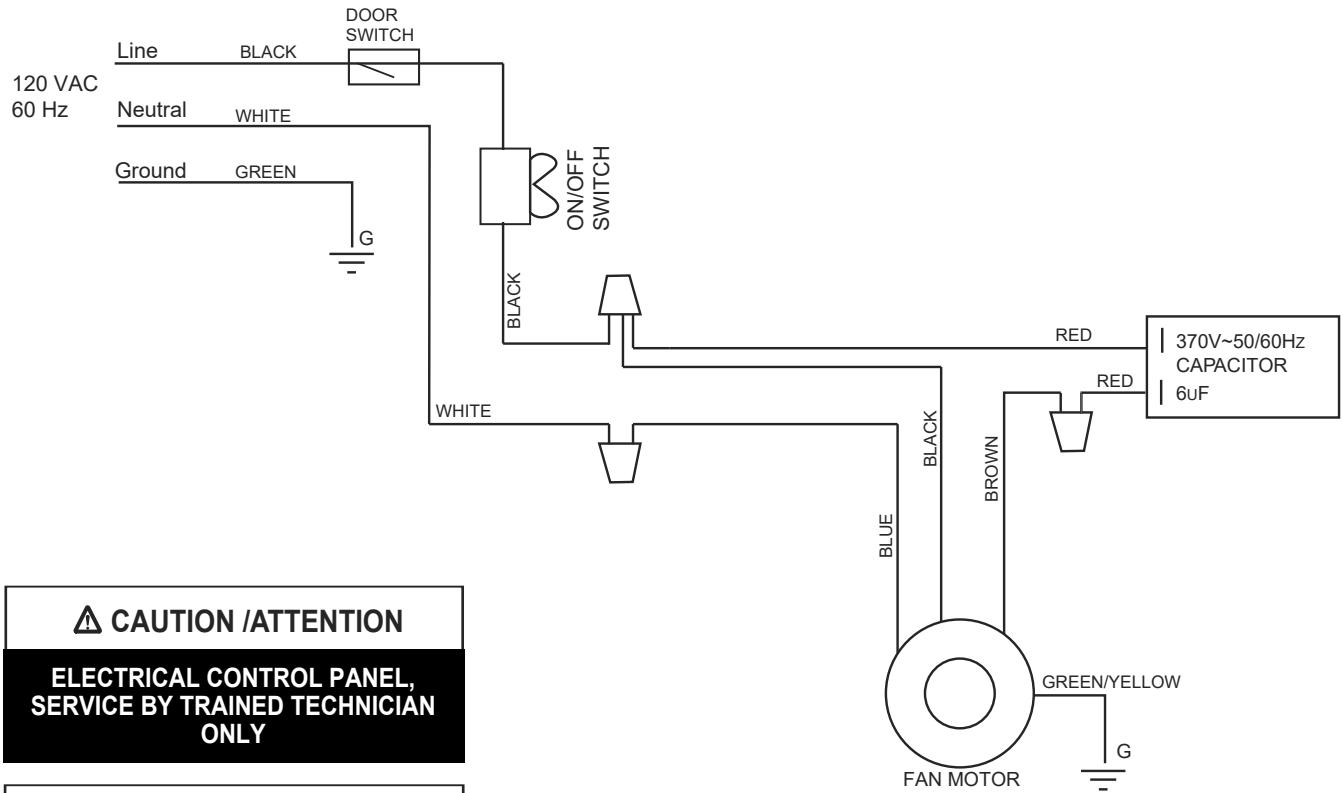
Model TFP-PLATINUM - 1 TFP Collector, 1 HEPA filter



CAUTION

Disconnect all power sources before attempting any service.

Wiring Diagram



⚠ CAUTION /ATTENTION
**ELECTRICAL CONTROL PANEL,
SERVICE BY TRAINED TECHNICIAN
ONLY**

⚠ WARNING /AVERTISSEMENT
**DISCONNECT POWER SUPPLY
BEFORE SERVICING.**



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LEAVE FOR HOMEOWNER

TO BE COMPLETED BY CONTRACTOR AFTER INSTALLATION

Installing Contractor _____ Telephone / Contact _____

Serial Number _____ Installation Date _____

Model _____