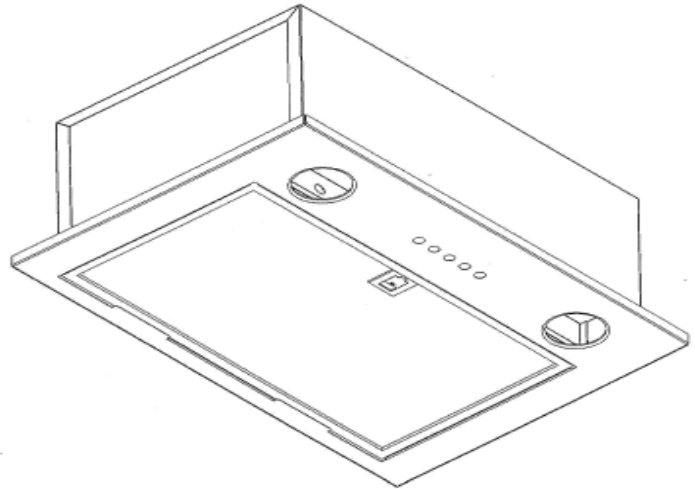
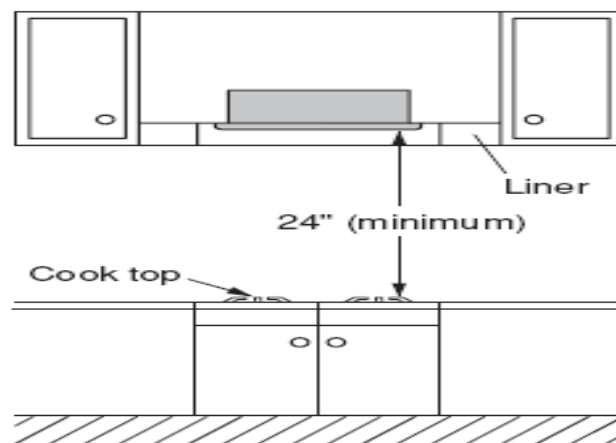


## 011/021 Series Models



### RANGE HOOD LOCATION

1. The range hood must be installed just above the cooktop.
2. The minimum distance from the cooking surface to the bottom of the range hood must be 24".



3. The total weight of the 011/021 range hood unit is 18 lbs. (8 kg)
4. Power requirements are:

011: AC120 V, 60 Hz, 1.7 Amp

021: AC120 V, 60 Hz, 2.2 Amp



#### CAUTION:

- Check that the hood is correctly installed, since incorrect installation could result in the detachment of the range and that unit could fall.
- To protect hands from injury, wear working gloves when installing the range hood.

# ACCESSORIES



**Screw M5x30**  
Four (4) pieces



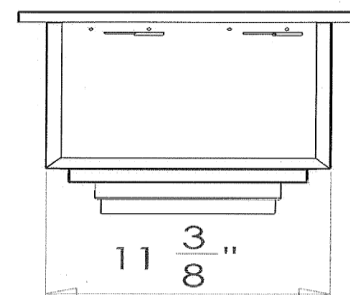
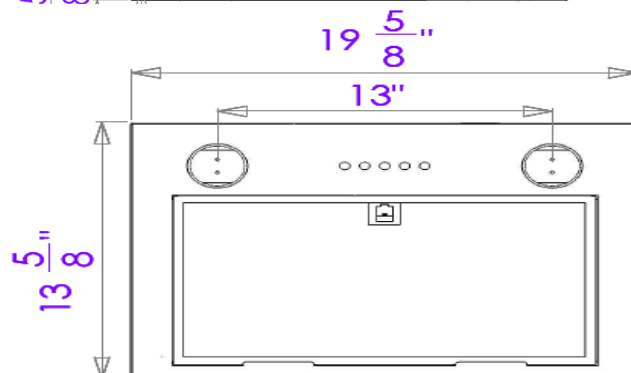
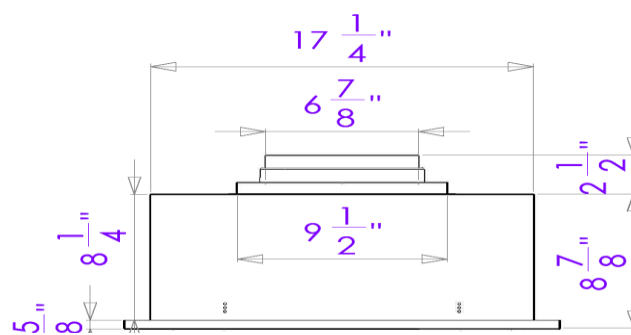
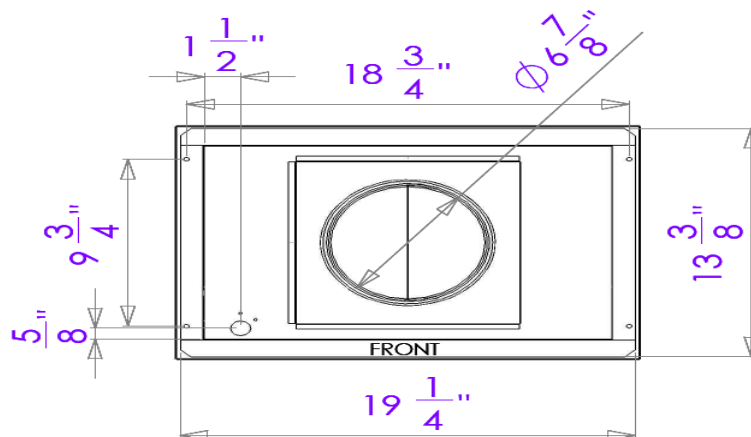
**Nut with plate**  
Four (4) pieces



**7" Round Damper**


# DIMENSIONS


Unit: inch



# SAFETY INSTRUCTIONS

Before installation and operation, read these instructions carefully and use this product only in the manner described by the manufacturer in the operation manual. The instructions shown below are used to alert you to potential personal injury and property damage hazards. There are three hazard classifications based on potentially dangerous situations. Obey all safety instructions that show these symbols to avoid possible injury, death and property damage.


 **WARNING:** WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.


**CAUTION:** CAUTION indicates used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

*NOTE: The safety instructions are explained with the following pictographic symbols.*



 means prohibition. It indicates actions, if any, that must not be done.



 means forcible execution. It indicates actions, if any, that must be done.



## WARNING



1. TO REDUCE THE RISK OF FIRE, ELECTRONIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit only in the manner indicated by the manufacturer. If you have questions, contact the manufacturer.
  - Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on automatically. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
2. To reduce the risk of fire or electric shock, do not use this product with any solid-state speed control device.



3. TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:



- Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
  - Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and The American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
  - When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
  - Ducted fan must always be vented to outdoors.
4. TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.
  5. This unit must be grounded.
  6. Check that the hood is correctly installed, since incorrect installation could result in the range hood becoming detached and falling off.
  7. Connect only to an AC120 Volt power source or the range hood could result in fire, electric shock, and damage.



## CAUTION



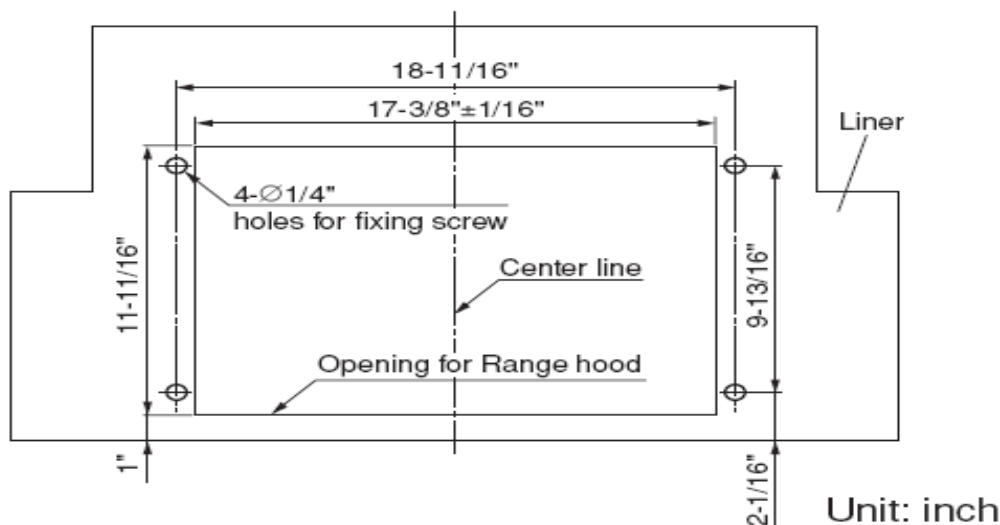
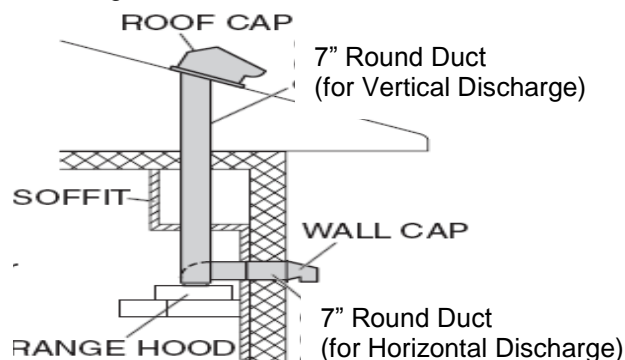
1. For general ventilating use only. Do not use to exhaust hazardous or explosive material and vapors.
2. To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls, ceilings or into attics, crawl spaces or garages.
3. Read specification label on this product for further information and requirements.
4. Use only for the purpose of kitchen ventilation.
5. Do not install this range hood in the bathroom or in other wet rooms since electrical shock and damage may result.
6. Fasten the filter and other parts securely. Incorrect attachment may result in personal injury or property damage.
7. Keep your hands and other objects away from the fan while it is in motion. The range hood may injure you or damage itself.

# PREPARATION



## WARNING:

- If the range hood is not installed properly, it could become detached and fall.
  - Ensure that the metal duct does not touch other metal housing materials, otherwise fire or electric shock could result.
1. According to the conditions where the range hood is installed, determine whether it will discharge vertically or horizontally (7" Round duct). For vertical or horizontal discharge, run duct work between the hood location and a roof cap or wall cap. For the best result in either direction, use a minimum number of transitions and elbows. Be sure to attach a roof cap or wall cap to avoid water leakage.
  2. The range hood unit must be mounted to a liner which has the dimensions. Install the liner securely after checking that the opening size of the liner is the same as the figure below.



## CAUTION:

The liner should be installed tightly. If the liner installation is not correct, the range hood unit may become detached and fall off.

## WARNING – TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when flambéing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

## CONNECTING TO THE VENT PIPE

The 011/021 series ventilation modules come with a metal start collar. Attach the Start Collar to the duct with at least three equally spaced screws. Also apply duct tape, preferably the metal type. Some installations, (where the outside of this position of the duct is not accessible) will require the metal tape be applied on the *inside* of the duct.

SPECIFICATION SHEET - 011	
011 VMI, Inc. Blower unit, Individual Specifications Dated April 10, 2013	
Model	011 Stainless Steel Front Cover Panel*
Safety Standards	C-UL-US Listed
Dimensions	
Front Panel	13 3/4" Deep x 19 3/4" Wide
Housing	11 3/8" Deep x 17 3/8" Wide x 8 1/4" High (with Damper, 10 3/4" High)
Weight	18 lbs
Rated Voltage	120 Volts
Rated Frequency	60 Hz
Air Flow	High Speed Operating 290 CFM Medium Speed Operating 210 CFM Low Speed Operating 150 CFM
Noise Level	High Speed Motor 7 Sones Medium Speed Motor 5 Sones Low Speed Motor 3 Sones
Power Consumption	High Speed 120 Watts
Motor Only	Medium Speed 90 Watts Low Speed 60 Watts
Electric Motor	Capacitor Motor, 3 Speeds
Duct Dimension	7" Round Duct
Exhaust Direction	Vertical Discharge from top, Horizontal with Elbow
Installation	At 4 places on flange of body, use screws and nut plates for mounting to Liner
Materials	Front Cover Panel - 304 Grade Stainless Steel, # 4 Brush Finish Housing Body - Electro-Galvanized steel Filters - Aluminum Mesh *Front Cover Panel Colors -Silver Metallic, White, Bisquit, Black
Lighting	(2) 50 watt MR16-GU10 Halogen Lamps
Switches	Mechanical Push Button 3 Speed with Off Motor Control Mechanical Push Button Light Control
Electrical Wiring	PVC, 18 AWG
Accessories	Damper, Nut Plates with screws
Optional Parts	Metal Liners, Rectangular, T-Shaped, Custom Sized
Manual	Installation/Operation Manual

## SPECIFICATION SHEET - 021

021 VMI, Inc. Blower unit, Individual Specifications Dated April 10, 2013

<b>Model</b>	<b>021 Stainless Steel Front Cover Panel*</b>
<b>Safety Standards</b>	C-UL-US Listed
<b>Dimensions</b>	
Front Panel	13 3/4" Deep x 19 3/4" Wide
Housing	11 3/8" Deep x 17 3/8" Wide x 8 1/4" High (with Damper, 10 3/4" High)
<b>Weight</b>	18 lbs
<b>Rated Voltage</b>	120 Volts
<b>Rated Frequency</b>	60 Hz
<b>Air Flow</b>	High Speed Operating 390 CFM Medium Speed Operating 290 CFM Low Speed Operating 180 CFM
<b>Noise Level</b>	High Speed Motor 7 Sones Medium Speed Motor 5 Sones Low Speed Motor 3 Sones
<b>Power Consumption</b>	High Speed 120 Watts
<b>Motor Only</b>	Medium Speed 90 Watts Low Speed 60 Watts
<b>Electric Motor</b>	Capacitor Motor, 3 Speeds
<b>Duct Dimension</b>	7" Round Duct
<b>Exhaust Direction</b>	Vertical Discharge from top, Horizontal with Elbow
<b>Installation</b>	At 4 places on flange of body, use screws and nut plates for mounting to Liner
<b>Materials</b>	Front Cover Panel - 304 Grade Stainless Steel, # 4 Brush Finish Housing Body - Electro-Galvanized steel Filters - Aluminum Mesh *Front Cover Panel Colors - Silver Metallic, White, Bisquit, Black
<b>Lighting</b>	(2) 50 watt MR16-GU10 Halogen Lamps
<b>Switches</b>	Mechanical Push Button 3 Speed with Off Motor Control Mechanical Push Button Light Control
<b>Electrical Wiring</b>	PVC, 18 AWG
<b>Accessories</b>	Damper, Nut Plates with screws
<b>Optional Parts</b>	Metal Liners, Rectangular, T-Shaped, Custom Sized
<b>Manual</b>	Installation/Operation Manual



# USE AND CARE

## **WARNING!**

Do NOT operate the blower/ventilator system without the filters in place, or with dirty, grease laden filters.

## **OPERATING CONTROLS:**

Always activate the ventilator or when using appliances. For the best performance, turn on the blower a few minutes before starting to cook to establish an airflow pattern within the room. Adjust the fan speed as needed. The left control adjusts the halogen lights and the right control adjusts the blower.

## **ENERGY SAVING TIPS:**

Eliminate air currents in the vicinity by shutting nearby windows and doors, turning off ceiling fans and adjusting the adjacent heating and air conditioning outlets if necessary. Place your largest pans on the rear burners whenever possible. Clean filters and grease laden surfaces often to improve efficiency. Always use lids on cookware to retain heat and moisture. Minimize the amount of liquid used to cook food. Select cookware of proper size, material and construction for the cooking task being performed.

## **CARE & CLEANING:**

Proper cleaning is necessary to maintain performance and appearance, while also ensuring safe operation. The frequency of cleaning should be according to the type and amount of cooking. Best results will be achieved by cleaning soiled components as soon as possible. Filters must be cleaned regularly. Remove the filter(s) by grasping the D ring on the filter front and pulling gently. Grasp the front of the filter to remove it. To reinstall the filter, place the back edge of the filter into the back filter bracket. Lightly push the filter toward the back of the liner while pressing the front side upwards into place.

The filters may be cleaned by hand washing in hot water using a mild detergent solution or by placing in an automatic dishwasher. Dry the filters before reusing.

**CAUTION:** Most common scrubber type pads will scratch the liner. If a commercially available stainless steel cleaner is used, it is important to read the labels for chlorine compounds. Chlorine is a corrosive substance. If these compounds are present, rinse thoroughly and dry with a soft lint-free cloth. Follow polish manufacturer's instructions. Always wipe stainless steel surfaces with the grain. Never wipe across the grain. After cleaning, reinstall the filters carefully.

## **HALOGEN LIGHT BULBS:**

Blowers are designed for MR16-GU10 50 watt halogen lamps. They can be purchased at most home or grocery stores, e.g., Lowe's, Home Depot, McCoy's, Menards or Ace True Value.

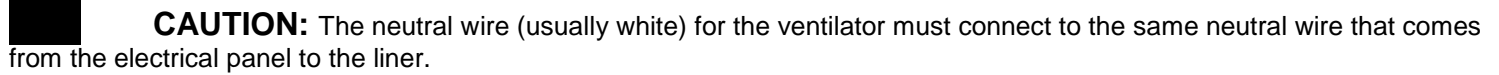
## **ELECTRICAL CONNECTION**

**IMPORTANT:** *Copy this page and the next for your electrical installer.*

**WARNING!** Ensure that the power supply is disconnected before proceeding. Verify that the power supply matches the ratings found on the appliance data label before proceeding. The complete appliance must be properly grounded at all times when electrical power is applied. Do not ground the appliance with the neutral (white) house supply wire. A separate ground wire must be utilized. Failure to complete electrical connections properly may result in damaged or non-functional systems. Follow instructions carefully to ensure proper installation.

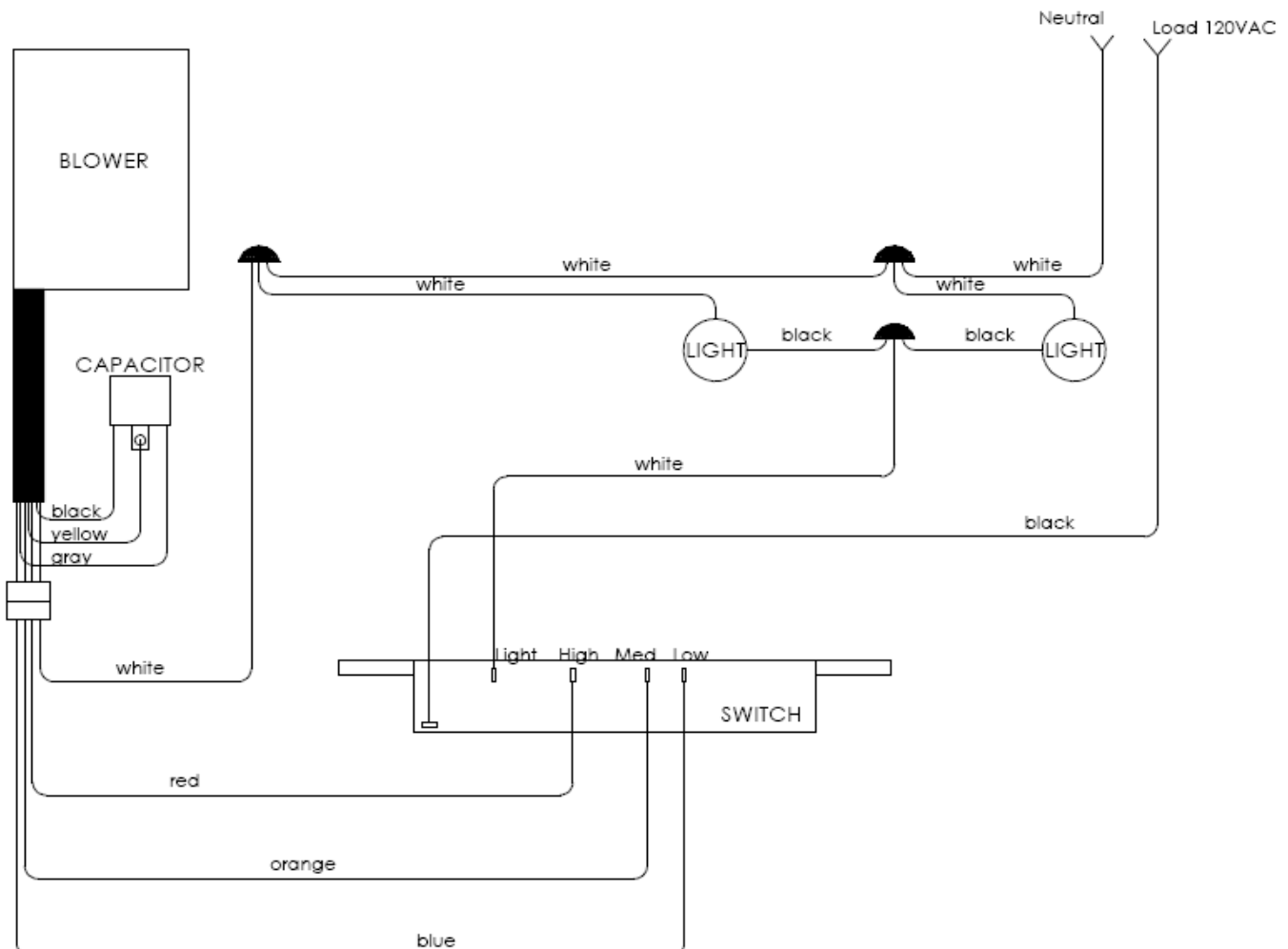
It is the owner's responsibility to ensure that a qualified person performs the electrical connection of this appliance. The electrical installation, including minimum supply wire size, must comply with the National Electric Code ANSI/NFPA 70-1990 (or latest revision) and local codes and ordinances. A copy of this standard may be obtained from: National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101

**INSTRUCTIONS:** A 15 to 20 amp electrical service is recommended for proper electrical supply. Before determining, calculate amp ratings based on the product label found on the 011/021 series module. Always observe local building codes. Always use a dedicated circuit. Line load is calculated by adding the amperage of the halogen lights to the rated amperage of the ventilator. If the ventilator is rated in watts rather than amps, divide the watts by 120 and this will give you the amperage rating.

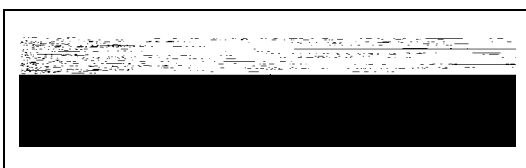


Black	120 volt AC from electrical panel (usually black)
White	Neutral from electrical panel (white)
Green	Ground from electrical panel (usually green)

## House Electrical Panel







## WARRANTY

### Air-Pro™ Brand Ventilation Products

#### What is Covered

VMI Inc. warrants its **Air-Pro™** brand products to the original user, to be free of defects in materials and workmanship for three (3) years from the date of purchase.

VMI Inc., at its option, will repair or replace the complete unit or any defective component without charge providing that, if requested, the product or defective component is promptly returned, prepaid to the address below. This warranty may be voided if any unauthorized service, alterations or repairs are made to the product.

#### What is Not Covered

- Normal maintenance and service of any product that has been subject to misuse, negligence, accident or installation inconsistent with the recommended installation instructions
- Product used other than for normal in-home use or products used outside of the United States and Canada.
- Damage to the product caused by accident, fire, flood or other acts of God.
- Service calls to educate the customer in the proper use and care of the product, correct faulty installation, change fuses or reset breakers.

VMI Inc. disclaims and excludes any liability for implied warranties or for incidental or consequential damages wherever permitted by law. There are no implied warranties of merchantability or fitness for a particular use or purpose. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

#### For Service

**If you need service, contact Customer Service at the address or phone number below. Provide the model number, part identification and details of the problem. Proof of purchase must be provided.**



Rev. 04/13