



AirScape™

Serious Home Ventilation

KITCHEN VENTILATION KIT INSTALLATION GUIDE

(covers all AirScape kitchen ventilation kits)

CONGRATULATIONS and thank you for your purchase of an AirScape Kitchen Ventilation Kit. Our systems are designed to give you many years of quiet, reliable and powerful operation when installed according to this installation guide.

IMPORTANT: *Please take a few minutes to thoroughly read over the different sections of this installation guide and make sure you are fully prepared for the installation of your bathroom kit. Please save this guide to refer back to in the future and always be sure to follow local codes, ordinances and safety precautions before, during and after the installation. If you have any specific questions about specific codes, please refer to your local code authorities.*

WARNINGS AND GENERAL TIPS *(please read thoroughly)*

Suitable Fan Environment

The TD-Mixvent fans are suitable for the exhaust or supply of both conditioned and un-conditioned air streams within the temperature ranges (inclusive of duct air stream temperature) of -40 degrees C, up to +60 degrees C for models TD-200, 250 AND 315.

Fan & Switch Electrical Warnings



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, OR INJURY TO PERSONS, PLEASE OBSERVE THE FOLLOWING:

- (a) Use the fan and components only in the manner intended by AirScape. If you have any questions, please contact us.*
- (b) Before servicing or cleaning your fan, make sure you switch the power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a warning device such as a tag to the service panel.*
- (c) Installation work and electrical wiring must be done by qualified person(s) in **accordance with all applicable codes and standards including fire-rated construction.***
- (d) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline 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 (ASHREA) and the local code authorities.*
- (e) When cutting or drilling into a wall or ceiling, be careful not to damage electrical wiring and other hidden utilities.*
- (f) Please remember that all ducted fans must always be vented to the outside.*

(fan & switch electrical warnings cont'd)

(g) CAUTION: The fan is for general ventilating use only. DO NOT USE to ventilation hazardous or explosive materials and vapors.

(h) CAUTION: MOUNT WITH THE LOWEST MOVING PARTS AT LEAST 8 FEET ABOVE THE FLOOR OR GRADE LEVEL.

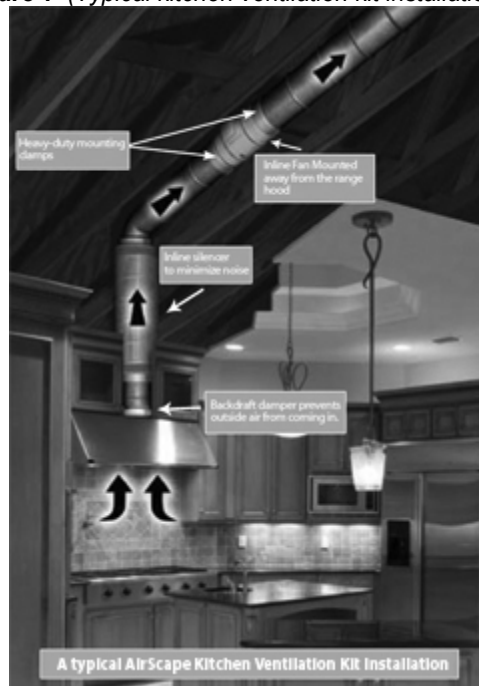
(i) MAKE SURE TO ONLY USE RIGID METAL DUCT FOR KITCHEN APPLICATIONS.

*******All fans operate on a standard 120V, 60HZ, A/C electrical supply and are UL listed. In addition, all fans incorporate two speed motors. The live supply must only be made either to the hi or lo terminal- NEVER BOTH.**

Fan Orientation & Typical Installation

The fans allow the flexibility to be mounted in any orientation (horizontal or vertical) and are suitable for applications outside of the range of kitchen ventilation. See the illustration below (**FIGURE 1**) for a typical kitchen ventilation installation.

Figure 1 (Typical kitchen ventilation kit installation)



The AirScape kitchen ventilation kit components are made to be installed in this order (starting from the range hood/intake):

- Backdraft damper
- Inline silencer
- Inline Fan (using the supplied heavy-duty mounting clamps)
- Roof Cap or Wall Hood

FAN INSTALLATION

STEP 1. To install the fan, you must first remove the fan motor/wheel assembly. To do so, loosen the two spring clips around the casing and simply slide the main assembly out. (**FIGURE 2**)

Figure 2 (metal fan clip removal)

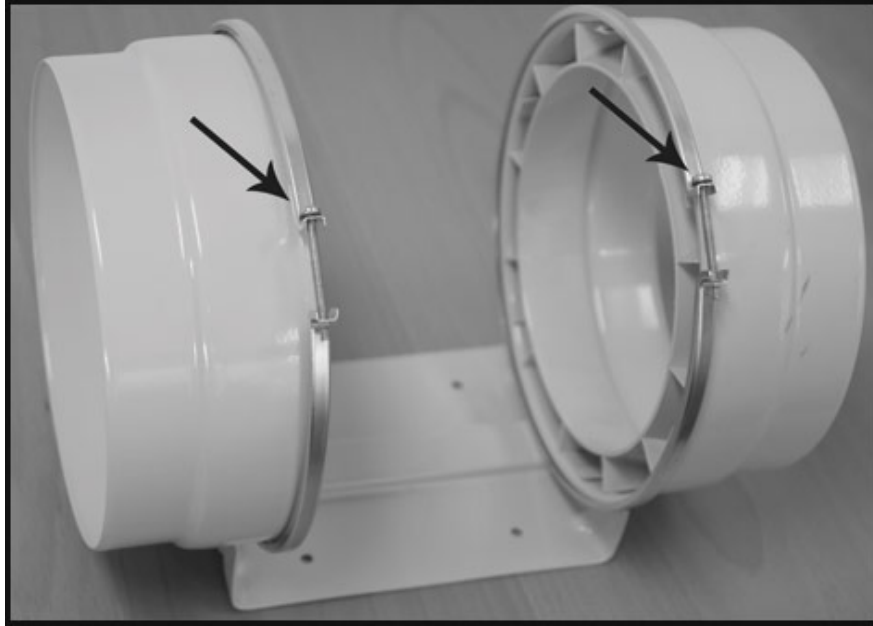
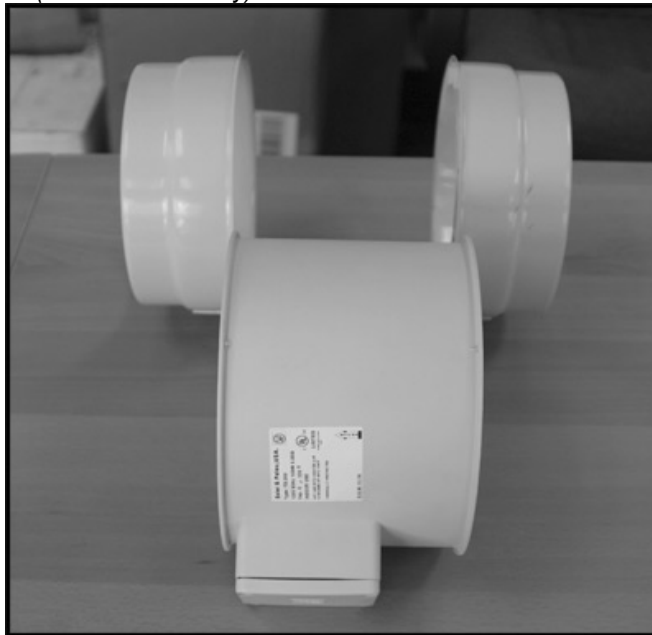


FIGURE 3 shows the assembly removed.

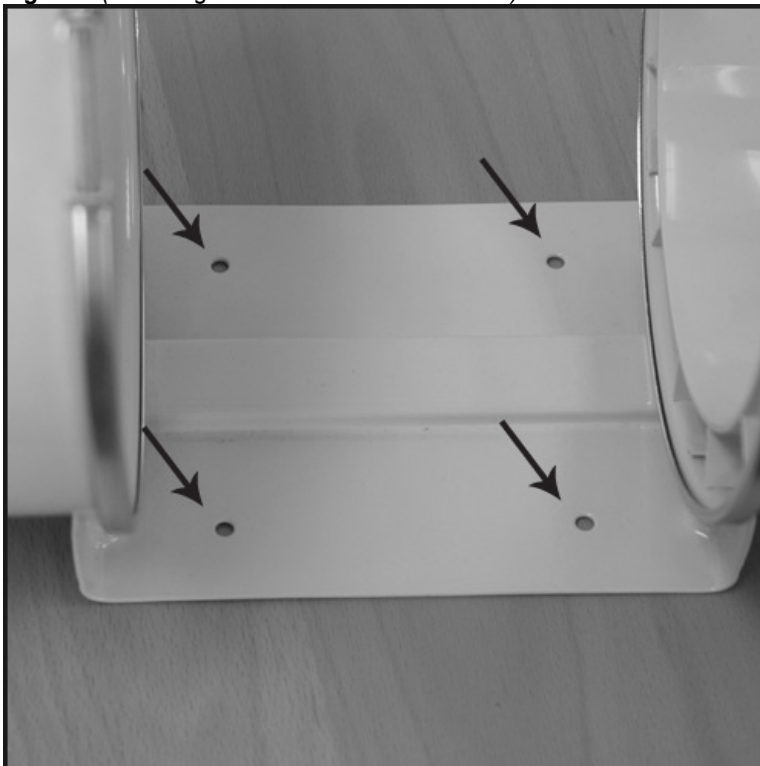
Figure 3 (removed assembly)



(fan installation cont'd)

STEP 2. Secure the fan by way of the mounting bracket to a fixed structure. **(FIGURE 4)**

Figure 4 (mounting bracket and screw locations)



STEP 3. Replace the fan motor/wheel assembly.

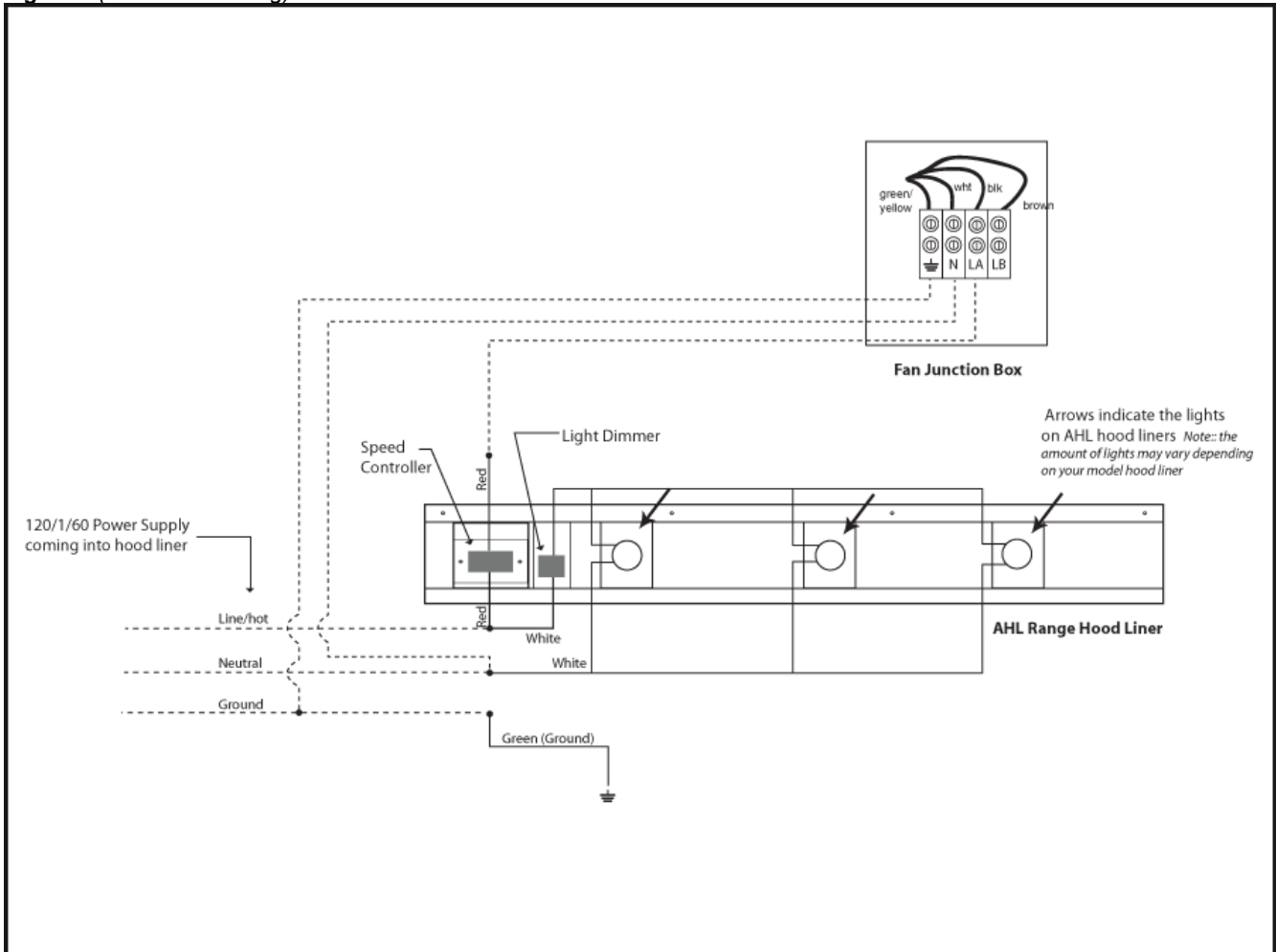
STEP 4. Wire the fan to your hood liner or control. **(FIGURE 5)**



WARNING: PLEASE MAKE SURE TO COMPLETE THE FOLLOWING STEPS SAFELY AND THAT YOU ADHERE TO LOCAL CODE REQUIREMENTS. KEEP THE MAIN POWER OFF UNTIL YOU HAVE FULLY COMPLETED WIRING THE FAN UNIT.

(fan installation cont'd)

Figure 5 (kitchen fan wiring)



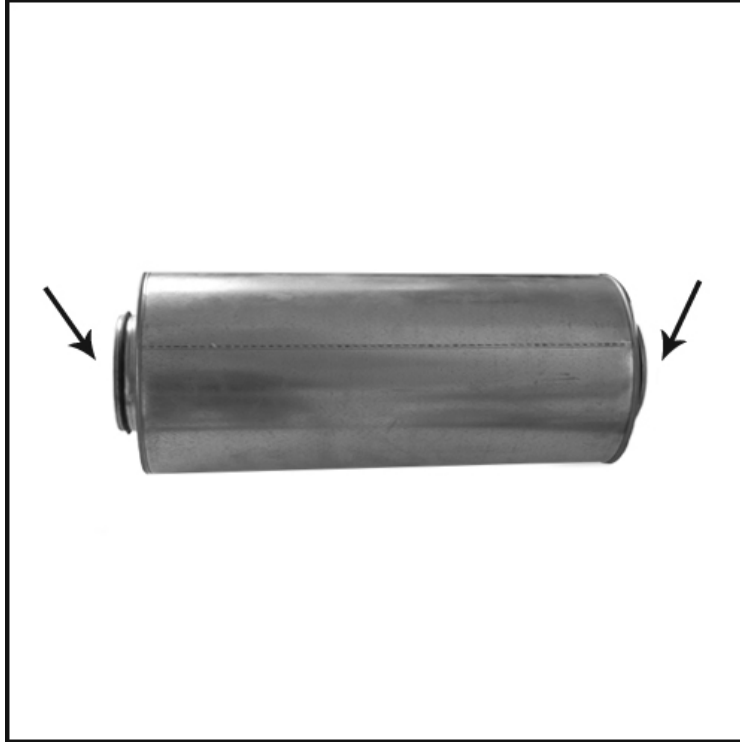
EXPERT ADVICE:

- It is a good idea to oversize your hood liner so that it overlaps the cook top by at least 3" on each side.
- If your hood liner is installed over an island or, it is a good idea to oversize your fan.

SILENCER INSTALLATION

1. Pick a location where your silencer is to be installed. *Remember: The silencer has to be placed somewhere between the fan and your hood liner/intake.*
2. Slide the rigid ducting over the silencer lip and use sheet metal screws to complete the connection. Seal the connection using pro-quality (UL181BFX) duct tape. Connect your rigid ducting to each side of the silencer.
(FIGURE 6)

Figure 6 (silencer connections)



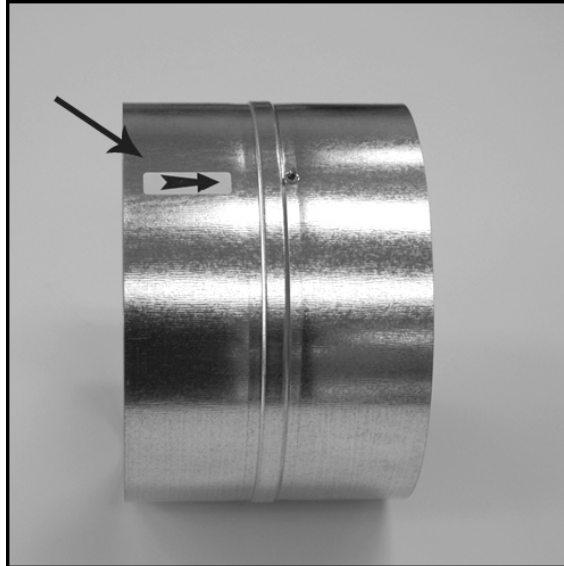
EXPERT ADVICE:

- Make sure you complete your connections using sheet metals screws and seal them with duct sealing tape. (UL181BFX)
- The silencer must always be placed somewhere between the fan and your hood liner/intake.

BACKDRAFT DAMPER INSTALLATION

STEP 1. Connect one side of your rigid ducting to the backdraft damper and the other to your hood liner.
Remember: Make sure that you install the backdraft damper in the vertical airflow orientation. The arrow indicates which way your airflow should go. (FIGURE 7)

Figure 7 (backdraft damper orientation)



EXPERT ADVICE:

- It is advisable to use sheet metal screws for your connections and seal them using professional duct sealing tape (UL181BFX). Make sure you do not damage the damper or impede the damper from opening/closing.
- Make sure to place your backdraft damper just before your intake point. (Usually a hood liner or grill)

ROOFCAP INSTALLATION

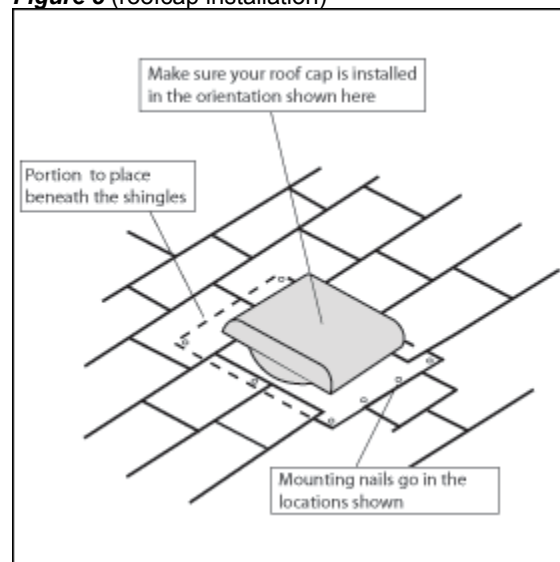
These are general instructions for installing the roof cap (if applicable) provided in AirScape Bathroom Kits on a shingle roof and may vary depending on your particular application, roofing material, code requirements and other factors. If you have any specific questions about installing your roof cap, please consult a roofing professional.

STEP 1. Cut a hole in your roof about a 1/2 inch larger than your duct.

STEP 2. Carefully lift shingles and slide the rear flange of the roof cap under the shingles. **(FIGURE 8)**

STEP 3. Use roof cement to seal shingles to the top and sides of the roof cap. Make sure to seal all nail heads thoroughly.

Figure 8 (roofcap installation)



STEP 4. Attach your ducting to the roof cap starting collar from below.

EXPERT ADVICE

- Make sure to use sheet metal screws for your connections and seal them with a professional duct sealing tape (UL181BFX).
- Don't forget to seal up all seams (including the nail heads) thoroughly.

WALL HOOD INSTALLATION

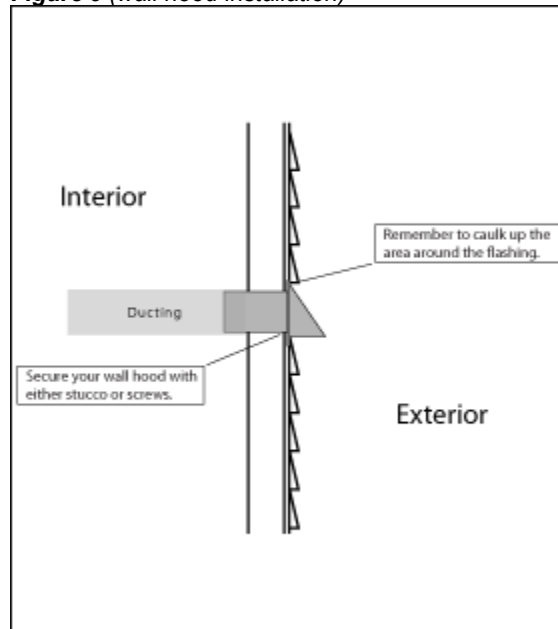
These are general instructions for installing the wall hood (if applicable) provided in AirScape Bathroom Kits and may vary depending on your particular application, siding material, code requirements and other factors. If you have any specific questions about installing your wall hood, please consult a building professional.

STEP 1. Cut a hole in the wall location to the size of your duct.

STEP 2. Feed your ducting through the wall. **(FIGURE 9)**

STEP 3. Connect your wall hood using sheet metal screws and seal it using duct sealing (UL181BFX) tape.

Figure 9 (wall hood installation)



STEP 4. Apply caulk to the back of the wall hood flashing and slide into place. Screw it to the wall if applicable.

EXPERT ADVICE

- Make sure to use sheet metal screws for your connections and seal them with professional duct sealing tape (UL181BFX).

LIMITED WARRANTY

HVACQuick.com (Distributor) warrants from the date of purchase that the product supplied by Distributor is free of defects in material and workmanship for a period of 3 years.

If a failure of the product occurs, contact the Distributor at 877-711-4822 and give the model number of the product, the purchase date, proof of purchase, and a description of the problem. The Distributor will cover shipping charges during the first 6 months of warranty. Customer is responsible for all inbound and outbound shipping charges after the initial 6 month period.

Once a problem is diagnosed, and proof of purchase is verified, the Distributor will have the option of shipping the necessary repair part(s) to the Customer or having the product returned to the Distributor for repair or replacement.

If the Distributor finds the returned product to be in operating condition, the product will be returned to the customer at customer's expense. Distributor reserves the right to obtain a credit card authorization for possible freight charges or non- return of defective parts/unit.

Specific warranty exclusions:

Except as provided by this express warranty, the goods are sold without any implied warranties. This limited warranty does not cover labor or field diagnosis, nor does it cover failure of the installer to follow installation instructions, damage resulting from accident, misuse or abuse, lack of maintenance, improper installation. In no event, shall the Distributor be liable for any special, incidental, or consequential damages resulting from any defect in material or workmanship. It is expressly understood that Buyer's sole and exclusive remedy shall be repair or replacement of defective parts.

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