MAGIC LUNG® INSTALLATION DO'S & DON'TS

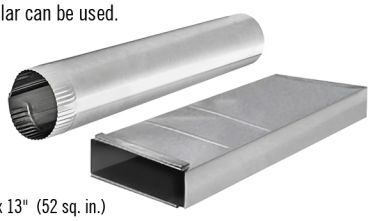
Vent-A-Hood range hoods must be properly specified and installed to be effective, which is also true of all manufacturers' exhaust systems.
If a Vent-A-Hood is properly specified, poor performance is almost always an indicator of improper installation.
Review these common installation pitfalls, and opportunities for improvement, if your hood isn't working properly.

DO

Use smooth galvanized ductwork, round ductwork is best but rectangular can be used.

300 CFM B100
Round 6" (28.25 sq. in.)
Rectangular 3-1/4" x 10" (32.5 sq. in.)

600 CFM B200
Round 8" (50.25 sq. in.)
Rectangular 6" x 8-1/2" (51 sq. in.) or 4" x 13" (52 sq. in.)

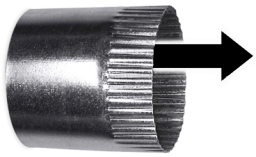


Make the duct run as simple as possible with gradual turns, using adjustable elbows.

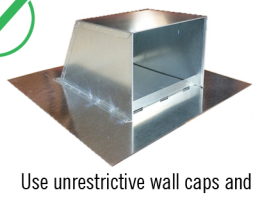
Insulate the entire duct run to prevent excessive condensation inside the ductwork.

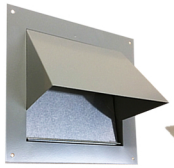
Install ductwork inside the hood's duct collar to contain any condensation that may occur.

Tape all joints with aluminum HVAC tape.



Air should move in the same direction as crimped ends for ideal performance.





Use unrestrictive wall caps and roof jacks to allow air to flow continuously and freely.
Vent-A-Hood dealers have access to the appropriate wall caps and roof jacks.

DON'T

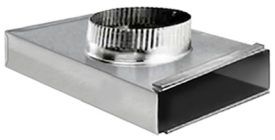
Don't use flexible ductwork.

Don't reduce the correct duct size ANYWHERE in the duct run, even at the wall cap or roof jack.

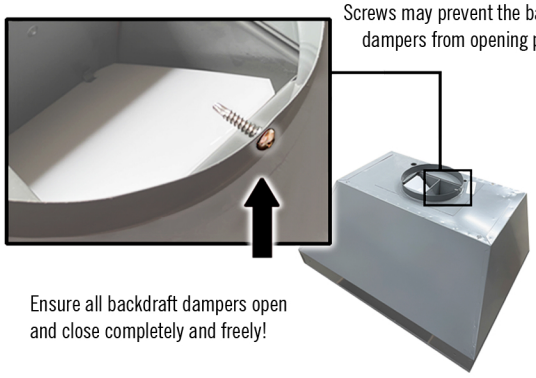
5" duct in place of 6" reduces airflow by 32% (300 CFM to 204 CFM).

7" duct in place of 8" reduces airflow by 33% (600 CFM to 402 CFM).

Don't turn sharp corners, rapidly moving air cannot make sharp turns.

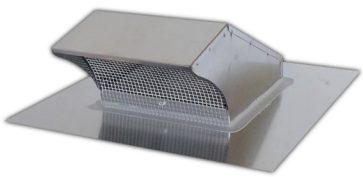


Don't use screws longer than 3/8". Screws may prevent the backdraft dampers from opening properly.



Ensure all backdraft dampers open and close completely and freely!

Don't restrict airflow at the exit of the home with a dead end or screen. Screens reduce airflow by 20-50%.



It is important to replace air removed from an interior space via a safe pathway from the outside. If this is not done, the possibility exists that fireplaces, water heaters, furnace flues etc. may be backdrafted. To avoid these potential problems, consult an HVAC professional who is qualified to determine if make-up air is needed.

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