

SIZE OF DUCTING

Our VAH Wall Mount range hoods up to 600cfm specify standard 6" round ducting or equivalent rectangular ducting. However, in some states, 6" may not be available because the standard available is 7" round. Using 7" when 6" is specified is fine and will slightly increase your hood air flow, while using 6" in place of 7" will reduce the flow a little. Although many range hood manufacturers suggest that 6" ducting is ok for 600cfm, we strongly recommend 8" (7" is fine too if that's all that is available to you).

Long runs:

If your duct run is longer than 20 feet I would suggest you add an additional 100cfm, plus an additional 100cfm for each 90 degree bend.

Shape:

Mostly, ducting comes round. But it is fine to use square or rectangular ducting provided it will carry the equivalent volume of air, e.g. 6" round may be replaced with 3-1/4" x 10" rectangular. Optional transition pieces are available with many of our vent hood models. Use of rectangular ducting can be a life saver if laid on top of your cabinets where crown molding can hide it or when used with a less bulky soffit.

Avoid flexible ducting (unless you can pull it taut) as the corrugated inside surface will cause resistance and create buffeting noise.

Damper:

Check to see if the hood you choose has a built-in Backdraft Damper. If not, include it in your duct run, usually as part of the outside wall or roof cap.

Ducting Scenarios:

- Directly outside - requires less CFM
- Up (8-10") and outside with a 90 degree bend - requires less CFM and will be quieter
- Up and through the roof - needs more CFM
- Down and out - needs a lot more CFM
- Up and sideways on top of your cabinets - needs more CFM
- Through back wall into another room and outside from there -needs more CFM



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