Table 501.3.3(2)
Procedure to Determine Makeup Air Quantity for Exhaust Equipment in Dwellings
(Refer to Item 5 in Section 501.3.3 to determine applicability of this table)

Use the Appropriate Column to Estimate House Infiltration

	One or multiple power vent or direct vent appliances or no combustion appliances[A]	One or multiple fan-assisted appliances and power vent or direct vent appliances[B]	One atmospherically vented gas or oil appliance or one solid fuel appliance[C]	Multiple atmospherically vented gas or oil appliances or solid fuel appliances[D]
1a) pressure factor (cfm/sf)	0.25	0.15	0.10	0.05
b) conditioned floor area (sf) (including unfinished basements				2000
Estimated House Infiltration (cfm): [1a x 1b] or				100
Alternative Calculation (by using blower door test)[E] c) conversion factor	0.75	0.45	0.30	0.15
d) CFM50 value (from blower door test)				—
Estimate House Infiltration (cfm): [1c x 1d]				—
2. Exhaust Capacity 80% of exhaust rating = Exhaust Capacity (cfm): (not applicable if recirculating system or if powered makeup air is electrically interlocked with exhaust)				480 ↓
3. Makeup Air Requirement a) Exhaust Capacity (from above)				480
b) Estimated House Infiltration (from above)				100
Makeup Air Quantity (cfm): [3a – 3b] (if value is negative, no makeup air is needed)				380
4. For Makeup Air Opening Sizing, refer to Table 501.3.2				10" Flex

A Use this column if there are other than fan-assisted or atmospherically vented gas or oil appliances or if there are no combustion appliances.

B Use this column if there is one fan-assisted appliance per venting system. Other than atmospherically vented appliances may also be included.

C Use this column if there is one atmospherically vented (other than fan-assisted) gas or oil appliance per venting system or one solid fuel appliance.

D Use this column if there are multiple atmospherically vented gas or oil appliances using a common vent or if there are atmospherically vented gas or oil appliances and solid fuel appliances.

E As an alternative, the Estimated House Infiltration may be calculated by performing a blower door test and multiplying the conversion factor by the CFM50 value.