# Heat-Kit System Modular Contraflow Masonry Heater Core

# Outside Air Instructions for Slab-on-Grade Installation

All Models



Masonry Stove Builders

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For slab on grade installation, the ash cleanout space is immediately below the firebox.

## Figure 1

An ashbox door with an integral air control is installed in the facing and is used to supply the air.



## Figure 2

In many building code jurisdictions, there is still a requirement for outside air for fireplaces. Be sure to check with your local building code official for requirements in your area. If no outside air is required, then it is not necessary to install it, as there is no benefit from using outside air (for more information on this topic, refer to the online documents at

## http://mha-net.org/msb/docs/outsair.htm )

If outside air is required in your locality, you will need to run a 4" insulated duct under your slab with an outlet at the heater. The easiest installation is to have the outlet immediately in front of the ashbox door (outside the heater). You will need to provide some means to shut the air off when not in use, such as a removable cover for the hole.

Some jurisdictions may require you to provide outside combustion air directly to the firebox, rather than simply near the air inlet in front of the ashbox door. If this is the case, then follow the instructions below.



	View of the core with the left brick fill piece in place (see assembly instructions). The cutout in the insulating base slab is shown on the right. This is where the combustion air will come in.
Figure 4	
	Build up the right fill piece using firebricks and refractory mortar (thin joints).
	Use full size bricks (9" long) and two 2" pieces as shown.
Figure 5	





The pivoting plate in place.

(Not shown:) Once you know the exact thickness of the facing, put a 90 degree bend at the end of the handle, in the same direction of the plate.

When installing the facing, set the rod in solid mortar to provide some friction. Make sure to break it loose before the mortar sets fully, so that it is not locked in place.





