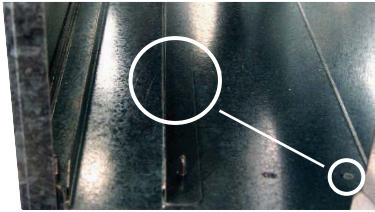


### Instructions for installing the Filtration Box

Remove all packed parts from the interior of the filter box before installation.

#### Optional Filters

The Merv-11 2" standard filter is pre-installed in the filter box. If the optional Merv-14 4" filter was ordered you will need to remove the six screws which hold the center filter guides (three on top of the box, three on the bottom). Place the guides to the far right (when facing the filter access door). Remove the six metal knockouts and reinstall the filter



**Figure 1:** The center filter guide is moved to the far right guide location when the optional 4" filter is used.

guides using the six sheet metal screws. Consider taping over or otherwise sealing unused screw holes.

#### Duct Collars

Install duct collars if necessary per your specific application. Duct collars are equipped with standard bend tabs to fasten the collar to the filter box housing.

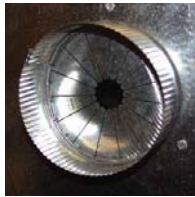
If using the 6" duct opening, the slug must be removed from the housing. The slug can be removed by bending it back and forth until the slug separates from the housing.

#### Airflow Restrictor

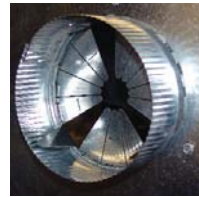
If installing the six inch collar you may need to install the airflow restrictor depending on your application. The airflow restrictor can be configured to deliver the amount of airflow desired per the diagram on this sheet. To install the flow restrictor, install the 6" duct collar as you normally would. Be sure to bend all tabs on the duct collar. place the restrictor inside the filter box housing and align the holes in the restrictor



**Figure 2:** Install the 6" duct collar.



**Figure 3:** Install the flow restrictor.



**Figure 4:** Configure the flow restrictor.

with the three screw holes which surround the 6" duct opening. Use the three screws provided in the packaged parts to fasten the flow restrictor to the filter

box housing. Configure the flow restrictor per your application based on the airflow desired.

#### Horizontal Installation








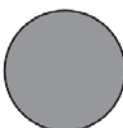
The Filtration box can be installed in either vertical or horizontal orientations. If installed in a horizontal orientation, the filter box should be installed as a downflow device.

#### Direct Couple to UA-135H

If direct coupling the filter box to a Therma-Stor Ultra-Aire 135H, there are pre-cut tabs on the supply side of the filter box which must be pushed to the outside of the filter box in order to couple with the UA-135H.



**Figure 5:** Direct couple tabs.

	Number of Bent Tabs	Approximate Outdoor Air [cfm]	Δp across Restrictor [IWG]
	None	44	0.29
	Two half tabs	52	0.29
	One full tab + one half tab	59	0.25
	3 full tabs	66	0.20
	5 full tabs	80	0.14
	7 full tabs	86	0.11
	10 full tabs	97	0.06
	All tabs bent or restrictor removed	102*	0

Grey areas indicate bent tabs. \*Variable depending on the length and restriction of return and fresh air ducting.