

***PARTS & SERVICE DEPARTMENT***

300 Maddox Simpson Pkwy  
Lebanon, Tennessee 37090  
615-889-8900 Fax: 615-547-1003  
www.Lochinvar.com

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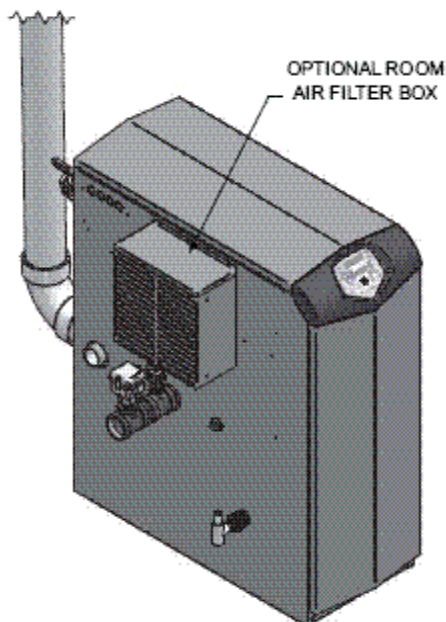
**TO:** Manufacturers' Representatives, District Sales Managers, Regional Managers, Technical & Customer Service Personnel, Service Agents, Sales & Marketing Personnel

**SUBJECT:** Knight XL Room Air Option

Lochinvar has received several calls concerning the use of combustion air drawn from the mechanical room with a vertical flue. The Knight XL product line, KBN399, KBN500, KBN600, KBN700, and KBN800 may be installed with a single vertical flue pipe to vent flue products outdoors while using combustion air from the equipment room. This venting option follows the same requirements for vent material specifications, vent length, and vent termination requirements listed in the Installation & Operation Manual.

The equipment room **MUST** be provided with properly sized openings for combustion and ventilation air in accordance with the National Fuel Gas Code ANSI Z223.1, in Canada, the CGA Standard B149 Installation Code for Gas Burning Appliances and Equipment, or applicable provisions of the local building codes.

This room combustion air option for Knight XL models must utilize the ROOM AIR FILTER BOX pictured below. The room air filter box is installed over the combustion air intake on the left side of the unit and uses a 12 X 12 standard one inch filter. The air furnished to the unit should also be free of any chemical contaminants. The filter should be checked weekly and changed as required.



While this venting option is now offered, it is recommended to use the Balanced Flue (2 pipe terminations in the same pressure zone) method of Direct Venting to minimize air pressure differences in the inlet and exhaust. These pressure differences can contribute to flame failure problems.

Should you have any questions please feel free to contact Technical Service at 1-800-722-2101.

**Table 5A** Optional Room Air Kit

Model	Kit Number
399 - 800	KIT30022