Co-Linear Venting

Applications
This appliance can be converted to install as a co-linear application. The co-linear portion of the vent system may only be installed within a solid-fuel burning appliance.
This appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Types of Installations
• Installation into an existing fireplace
• Partial installation into an existing fireplace
• Installation into an adjacent chimney
See the following pages for each installation details.

Rules for Co-Linear Venting
• Maximum 40 feet vertical pipe
• Minimum 10 feet vertical
• Maximum offset 8 feet with liners at minimum 45 degrees from horizontal plane
• Restrictor: Not used for co-linear venting.

NOTE
Co-linear flexible aluminum venting liners should be professionally inspected periodically for corrosion and damage and replaced when necessary. If the installation does not allow for future inspection or replacement of the flexible aluminum liners, then stainless steel vent liners are recommended.
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Complete or Partial Installations into an Existing Fireplace

**Note**
Flexible co-axial liners must only be installed within a solid fuel burning fireplace and chimney when converting at unit.

Required venting components:
- Valor 1000CLA Flex Co-linear Adapter Kit;
- Two lengths of 2-ply, 3” diameter flexible chimney liners approved for venting gas appliances;
- Co-linear termination kit and flashing or co-linear to co-axial adapter;
- High wind vertical vent terminal cap or low profile vertical termination.

Complete Installation into an Existing Fireplace
The appliance can be installed completely inserted into the non-combustible cavity as illustrated below. In this case, the firebox zero clearance standoffs supplied with the heater are not required.

Partial Installation into an Existing Fireplace
The appliance can be partially inserted into the non-combustible cavity as illustrated below. In this case, the appliance must be installed within a fully framed wall, consistent with a New Construction application as described in the appliance’s Installation manual.

Co-Linear installation fully inserted into existing fireplace - Conversion at unit

Co-Linear installation partially inserted into existing fireplace - Conversion at unit
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Installations into an Existing Adjacent Chimney

The appliance can be adapted to co-linear applications using an adjacent existing chimney.

Note

Flexible co-axial liners must only be installed within a solid fuel burning fireplace and chimney when converting at unit.

Required venting components:

- Approved Co-Axial to Co-Linear appliance adapter such as 46DVA-CLAA or 46DVA-GCL;
- Two lengths of 2-ply, 3” diameter flexible chimney liners approved for venting gas appliances;
- Co-linear termination kit and flashing or co-linear to co-axial adapter;
- High wind vertical vent terminal cap or low profile vertical termination.

The appliance must be installed within a fully framed wall cavity, consistent with a New Construction application as described in the appliance’s Installation manual.

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Co-Linear Venting Accessories

Co-axial to Co-linear Adapters

Examples of Co-linear Terminal Configurations

Alternate Co-linear to Co-axial Conversion at Terminal