Co-linear Venting

Conversion to Co-Linear Liners with a Chimney

The appliance can be adapted to co-linear applications using an existing chimney. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

This requires an approved Co-Axial to Co-Linear appliance adapter, two lengths of 2-ply, 3” diameter flexible chimney liners approved for venting gas appliances, a co-linear termination kit and flashing or a co-linear to co-axial adapter and either a high wind vertical vent terminal cap or a low profile vertical termination.

The appliance should be installed within a fully framed wall cavity, consistent with a New Construction application as described in this document.

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
• Restrictors are not required when using co-linear venting.
Co-linear Venting

Conversion to Co-Linear Liners with a Solid Fuel Fireplace

The appliance can be adapted to co-linear applications using an existing fireplace and cavity. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

This requires an approved Co-Axial to Co-Linear appliance adapter, two lengths of 2-ply, 3” diameter flexible chimney liners approved for venting gas appliances, a co-linear termination kit and flashing or a co-linear to co-axial adapter and either a high wind vertical vent terminal cap or a low profile vertical termination.

If the fireplace has an opening in the installation area, the appliance can be partially or completely inserted into the cavity as illustrated to the right.

If partially inserted, the appliance should be installed within a fully framed wall, consistent with a New Construction application as described in this document.

*Firebox zero clearance standoffs supplied with the heater are not required when installing completely within a non-combustible cavity.*

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
- Restrictors are not required when using co-linear venting.

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

Co-Linear installation partially inserted into existing fireplace - Conversion at unit
Co-linear Venting

Examples of Co-axial to Co-linear Adapters

46DVA-GCL

46DVA-CLAA

Examples of Co-linear Terminal Configurations

Co-Linear Terminal (typical)

Flashing Kit

Alternate Co-linear to Co-axial Conversion at Terminal

Co-axial Terminal Cap

With...

Co-Linear to Co-Axial Adapter

Flashing
Co-linear Venting

Appliance Dimensions with Typical Adapter (Adapter can mount in any orientation)

Co-linear Conversion - Top Outlet

5-7/16" [138 mm]
1-3/8" [35 mm]
6-5/8" [168 mm]
1-7/8" [47 mm]
15" [381 mm]
16-7/16" [418 mm]

Co-linear Conversion - Rear Outlet

22-11/16" [576 mm]
15" [381 mm]
6-5/8" [168 mm]
5-7/16" [138 mm]
15" [381 mm]
22-11/16" [576 mm]
28-7/16" [722 mm]

Co-linear Conversion - Rear Outlet with Elbow

25-5/16" [642 mm]
21-1/2" [547 mm]
17-3/4" [451 mm]
15" [381 mm]
11-3/8" [289 mm]
32-7/8" [834 mm]
34-7/16" [874 mm]

Note: Dimensions may vary depending on make and model of elbow used.