Valor® H5 1100M

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 fireplace and chimney.

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: Use #4 position for all co-linear venting applications.

> **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.**

Valor® H5 1100M
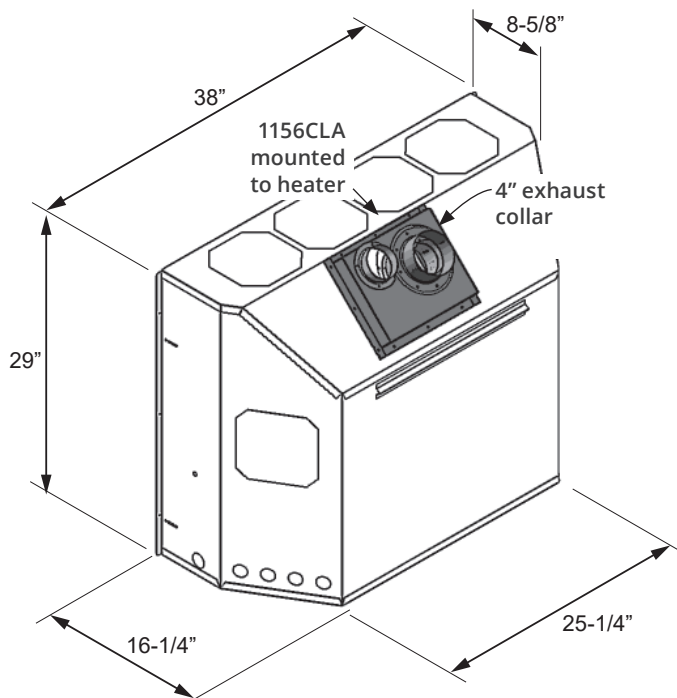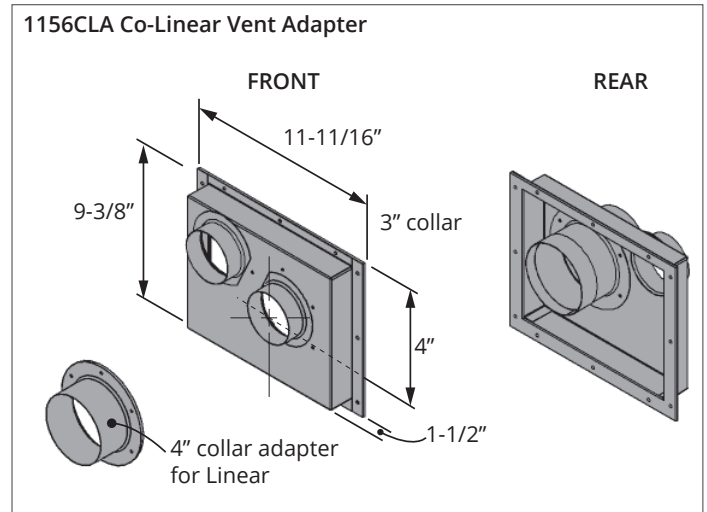
Co-Linear Venting

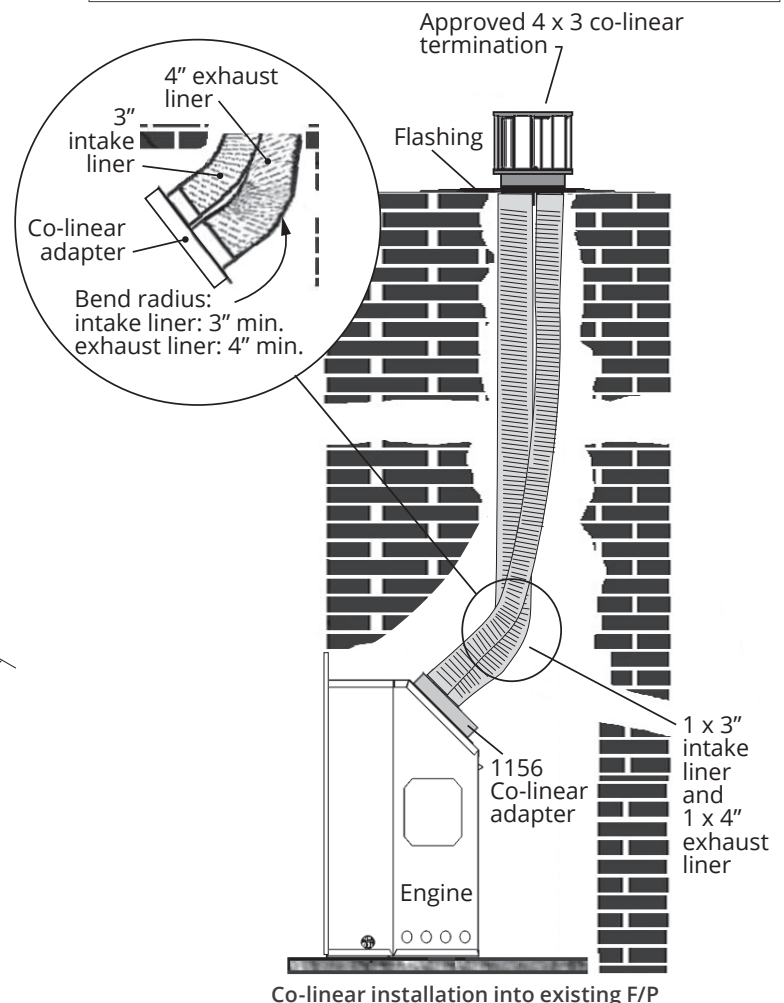### Installing Into an Existing Fireplace

Required accessories:

• Valor Co-axial to co-linear adapter 1156CLA;
• 2 lengths of 2-ply, flexible chimney liner approved for venting gas appliances:
  • 1 x 3-inch diameter for air inlet and
  • 1 x 4-inch diameter for exhaust;
• Co-linear termination kit 3 x 4 and flashing or co-linear to co-axial adapter and either high wind vertical vent terminal cap or a low profile vertical termination.

Note: A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner.

Firebox zero clearance standoffs supplied with the heater are not required for this application.

1156CLA Co-Linear Vent Adapter

FRONT   REAR

11-11/16"
9-3/8"
3" collar
4"
1-1/2"
4" collar adapter for Linear

38"
8-5/8"
1156CLA mounted to heater
4" exhaust collar
29"
16-1/4"
25-1/4"

Dimensions with Co-linear Adapter 1156CLA

Approved 4 x 3 co-linear termination
4" exhaust liner
3" intake liner
Flashing
Co-linear adapter
Bend radius:
intake liner: 3" min.
exhaust liner: 4" min.
1 x 3" intake liner and 1 x 4" exhaust liner
1156 Co-linear adapter
Engine

Co-linear installation into existing F/P
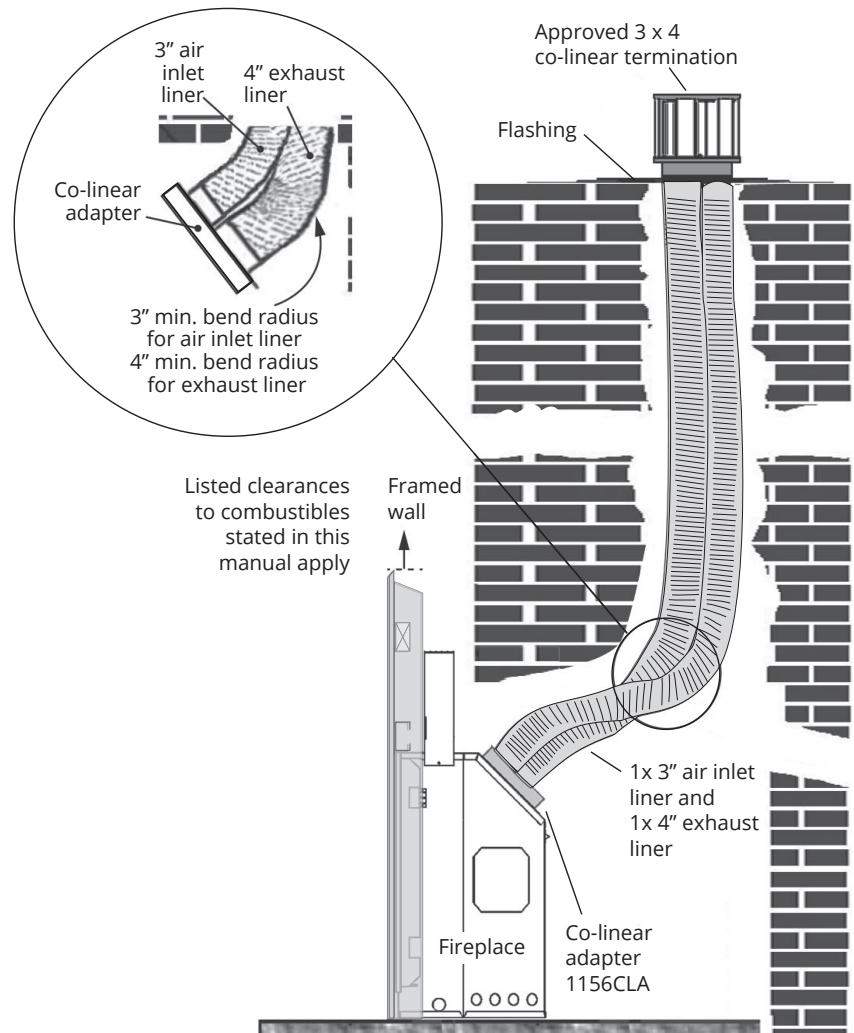
Co-Linear Venting

Partial Installation Into an Existing Fireplace

Required accessories:

- Co-axial to co-linear adapter at appliance Valor 1156CLA, 46DVA-GCL34 or equivalent;
- 2 lengths of 2-ply, flexible chimney liner approved for venting gas appliances:
  - 1 x 3-inch diameter for air inlet and
  - 1 x 4-inch diameter for exhaust;
- Co-linear termination kit 3 x 4 and flashing or co-linear to co-axial adapter and either high wind vertical vent terminal cap or a low profile vertical termination.

Note: A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner.

This appliance must be completely framed and maintain clearances to combustibles as shown in this manual.

3" air inlet liner

4" exhaust liner

Co-linear adapter

3" min. bend radius for air inlet liner
4" min. bend radius for exhaust liner

Approved 3 x 4 co-linear termination

Flashing

Listed clearances to combustibles stated in this manual apply

Framed wall

1x 3" air inlet liner and 1x 4" exhaust liner

Fireplace

Co-linear adapter 1156CLA

Co-linear installation on appliance partially into existing fireplace
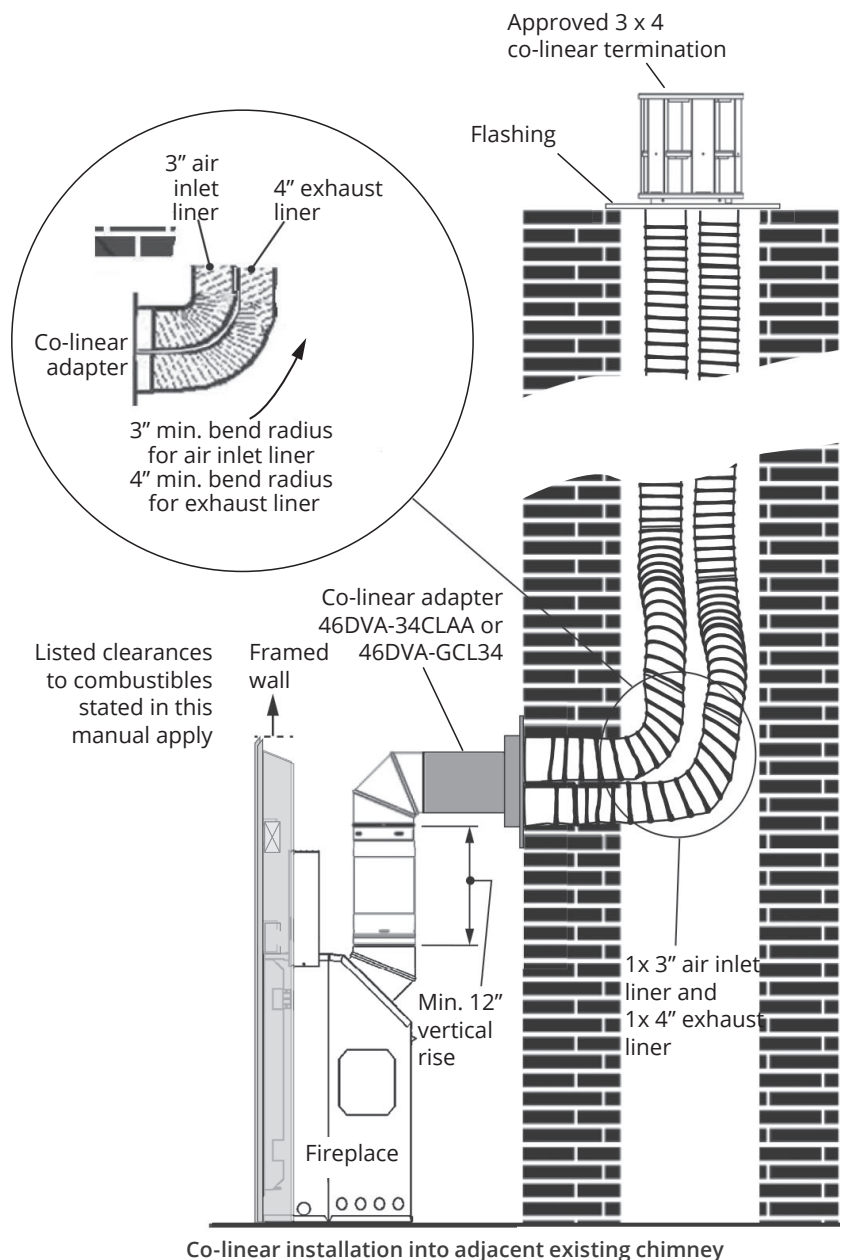
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Co-Linear Venting

Installation Into an Adjacent Chimney

Required accessories:

- Co-axial to co-linear adapter at appliance 46DVA-34CLAA, 46DVA-GCL34 or equivalent;
- 2 lengths of 2-ply, flexible chimney liner approved for venting gas appliances:
  - 1 x 3-inch diameter for air inlet and
  - 1 x 4-inch diameter for exhaust;
- Co-linear termination kit 3 x 4 and flashing or co-linear to co-axial adapter and either high wind vertical vent terminal cap or a low profile vertical termination.

Note: A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner.

This appliance must be completely framed and maintain clearances to combustibles as shown in this manual.


Approved 3 x 4 co-linear termination

Flashing

3" air inlet liner

4" exhaust liner

Co-linear adapter

3" min. bend radius for air inlet liner
4" min. bend radius for exhaust liner

Co-linear adapter 46DVA-34CLAA or 46DVA-GCL34

Listed clearances to combustibles stated in this manual apply

Framed wall

Min. 12" vertical rise

1x 3" air inlet liner and 1x 4" exhaust liner

Fireplace

Co-linear installation into adjacent existing chimney

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Co-Linear Venting

Typical Co-linear Venting Components

Co-axial to Co-linear Appliance Adapters
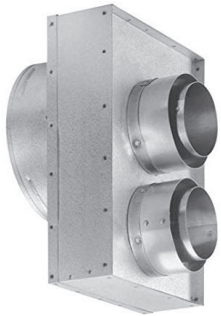
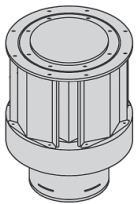46DVA-GCL34   46DVA-34CLAA

Alternate Co-linear to Co-axial Conversion at Terminal

With...

Co-axial Terminal Cap

Co-Linear to Co-Axial Adapter

Flashing

Co-linear Terminal Configurations

18"

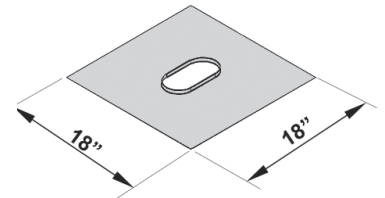18"

12 ⅜"

3"

4"

18"

18"

9 ⅜"

3"

4"

10"

10"

7-5/8" dia. collar
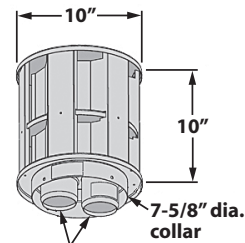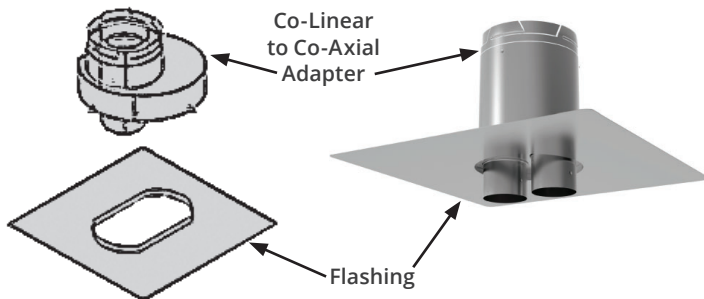
3" Inlet & Exhaust Collars. A 3" to 4" adapter can be used for the exhaust collar.

Co-Linear Terminal (typical)

18"

18"

Flashing Kit