

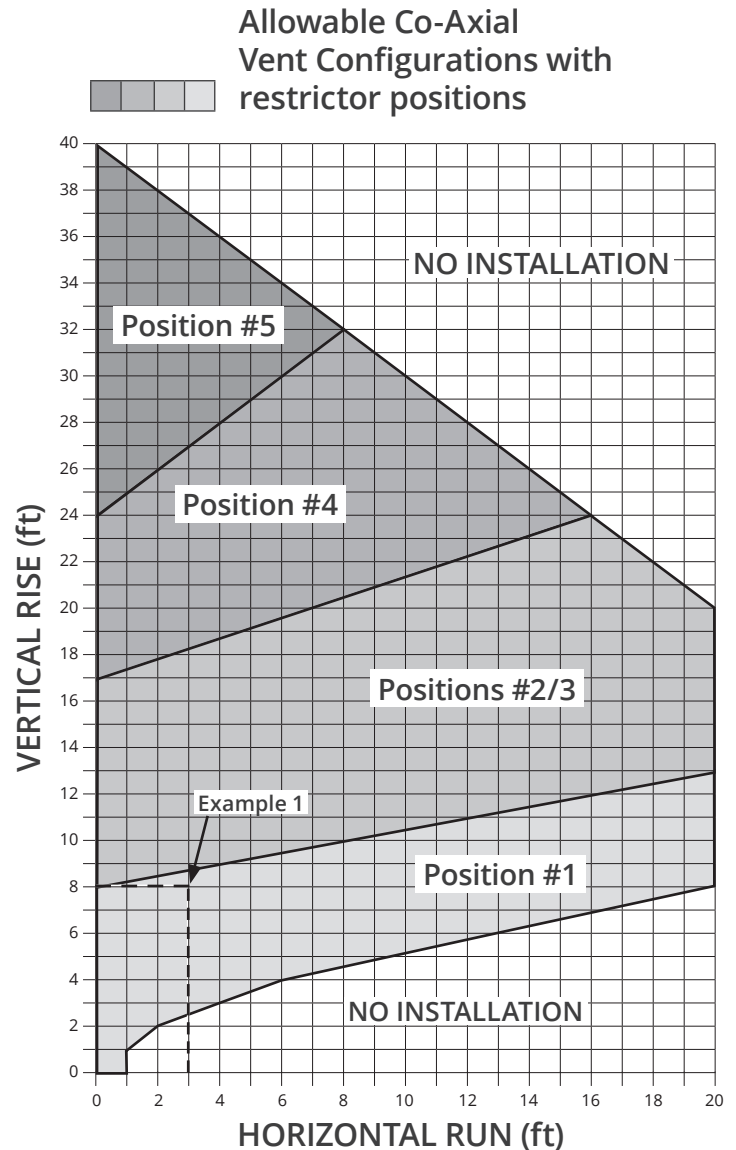
Co-axial Venting

How to Read the Venting Chart

The chart below applies to co-axial roof or wall termination.

1. The total length of the vent pipe cannot exceed 40 feet.
2. The minimum vertical height with roof termination is 6 feet.
3. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
4. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used. Excludes the 45 degrees take-off elbow shipped with the appliance.
5. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
6. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
7. A restrictor adjustment is required for most installations having a vertical rise—see “Restrictor Settings” in Installation Manual.
Note: The restrictor is shipped installed at the exhaust exit of the firebox.

Venting Chart



Example 1
 $V \text{ Value} = V1 (2') + V2 (4') + V3 (2') = 8'$
 $H \text{ Value} = H1 (0') + H2 (3') = 3'$
 Restrictor position # 1 required

valor[®] L1 1500K

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4 x 90° ELBOWS MAXIMUM
(or equivalent)

