

## Co-axial Venting

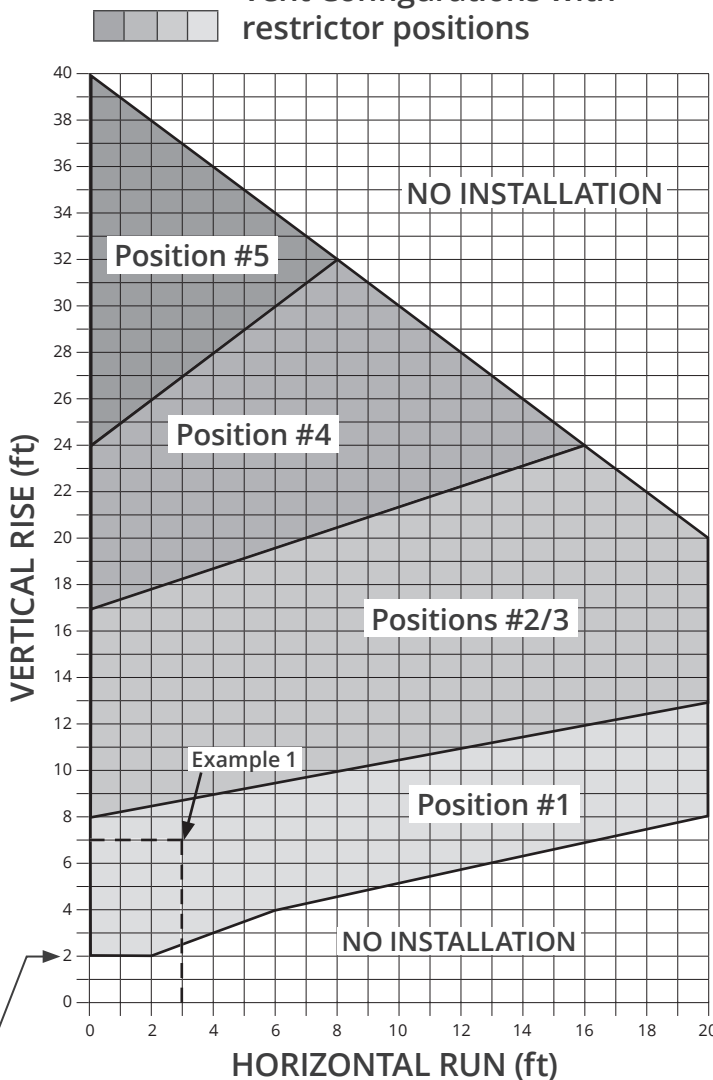
### How to Read the Venting Chart

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

1. A minimum vertical rise of 24 inches is required directly off the unit or after first elbow, as shown.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
5. 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.
6. 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.)
7. 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.
8. 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

#### Allowable Co-Axial Vent Configurations with restrictor positions



24" minimum vertical pipe rise off unit or after first elbow

Example 1  
 $V \text{ Value} = V1 (2') + V2 (4') + V3 (1') = 7'$   
 $H \text{ Value} = H1 (2') = 2'$   
 Restrictor position # 1 required

# valor<sup>®</sup> L2 1700K

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4 x 90° ELBOWS MAXIMUM  
(or equivalent)

