Vent Location
The vent terminal must be located through the roof. This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction. Check local codes for allowable vertical vent termination.

Venting Table

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum vertical height</td>
<td>40 ft (measured to bottom of termination)</td>
</tr>
<tr>
<td>Minimum vertical height</td>
<td>10 ft (measured to bottom of termination)</td>
</tr>
<tr>
<td>Maximum horizontal run</td>
<td>4 ft (measured center to center of pipe)</td>
</tr>
<tr>
<td>Maximum offset angle</td>
<td>45° (sweeping bend to allow for obstructions)</td>
</tr>
</tbody>
</table>

Venting Notes
Where possible, avoid splicing flex pipes. If splices are required, use a approved connector and seal joints with RTV high temp sealant.

Four feet horizontal is permissible to allow for routing around masonry projections. Do not bend flex pipe over a 45 degrees radius.

1. Co-linear venting may be converted to solid 4” x 6-5/8” co-axial venting at the top of the existing solid-fuel burning chimney as necessary where the existing chimney has deteriorated and been removed. The conversion must be done using approved components (see page 41) and proper vent clearances to combustibles must be maintained.

2. Three-inch liners may only be installed into solid-fuel burning fireplaces and chimney systems (no combustible construction).

3. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Note
This appliance may also be vented using the following optional method (see installation instructions packaged with optional kit):

- 720SWK—Co-linear sidewall kit
530 Portrait Insert
Venting

Venting Options

Co-linear appliance, as supplied
(2 x 3" diameter liners)

530INI/IPI as supplied
Co-linear installation into existing F/P

3" min. bend radius
2 x 3" liners

530 engine

2 x 3" liners

Approved co-linear termination or approved co-linear adapter and approved co-axial termination

Flashing

3" Liners

3" min.
Bend Radius

8'
min

40'
max

Min. 3'-0"

*Max. 5'-0"

* May be extended beyond 5'-0". Refer to the 720SWK installation instructions

530INI/IPI with 720SWK—Sidewall Kit
Sidewall co-linear installation into existing F/P using 720SWK—for units with logs or rocks only (see installation instructions supplied with 720SWK)

720SWK Terminal

3" Liners

3" min.
Bend Radius

Note: 536/541/563 fronts require a closure plate (582/583CPB) to ensure proper positioning of casting. Other fronts are supplied with a backing plate included.

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