Gas Stoves

H27E Direct Vent Gas Stove

<table>
<thead>
<tr>
<th>Model</th>
<th>H27E-NG11</th>
<th>H27E-LP11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
<td>Propane</td>
</tr>
<tr>
<td>Minimum Supply Pressure</td>
<td>5&quot; W.C. (1.25 kPa)</td>
<td>11&quot; W.C. (2.74 kPa)</td>
</tr>
<tr>
<td>Manifold Pressure - High</td>
<td>3.5&quot; W.C. (0.87 kPa)</td>
<td>10&quot; W.C. (2.49 kPa)</td>
</tr>
<tr>
<td>Manifold Pressure - Low</td>
<td>1.6&quot; W.C. (0.40 kPa)</td>
<td>6.4&quot; W.C. (1.59 kPa)</td>
</tr>
<tr>
<td>Orifice Size</td>
<td>#42 DMS</td>
<td>#54 DMS</td>
</tr>
<tr>
<td>Minimum Input</td>
<td>18,000 BTU/h (5.28 kW)</td>
<td>17,500 BTU/h (5.13 kW)</td>
</tr>
<tr>
<td>Maximum Input</td>
<td>25,000 BTU/h (7.32 kW)</td>
<td>22,000 BTU/h (6.45 kW)</td>
</tr>
<tr>
<td>Vent Sizing (Rear Vent)</td>
<td>4&quot; Inner / 6-5/8&quot; Outer</td>
<td>4&quot; Inner / 6-5/8&quot; Outer</td>
</tr>
<tr>
<td>Vent Sizing (Top Vent)</td>
<td>4&quot; Inner / 6-5/8&quot; Outer</td>
<td>4&quot; Inner / 6-5/8&quot; Outer</td>
</tr>
<tr>
<td>CSA P.4.1</td>
<td>61.22%</td>
<td>63.07%</td>
</tr>
</tbody>
</table>

Approved Venting Systems

<table>
<thead>
<tr>
<th>Flex Vent Systems:</th>
<th>FPI AstroCap™ Flex Vent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rigid Pipe Vent Systems:</td>
<td>Simpson Direct Vent Pro®</td>
</tr>
<tr>
<td></td>
<td>Selkirk Direct-Temp™</td>
</tr>
<tr>
<td></td>
<td>Metal-Fab® Sure Seal</td>
</tr>
<tr>
<td></td>
<td>American Metal Products® Amerivent Direct</td>
</tr>
<tr>
<td></td>
<td>Security Secure-Vent™</td>
</tr>
<tr>
<td></td>
<td>ICC Excel Direct</td>
</tr>
</tbody>
</table>

CLEARANCES TO COMBUSTIBLES

The clearances listed are MINIMUM distances. Measure the clearance to both the appliance and the chimney connector. The farthest distance is correct if the two clearances do not coincide.

For example, if the appliance is set as indicated in one of the figures but the connector is too close, move the stove until the correct clearance to the connector is obtained.

This appliance may be installed only with the clearances as shown in the situations pictured. Do not combine clearances from one type of installation with another in order to achieve closer clearances.

This unit can be installed on a solid combustible surface like a wood floor. This unit can also be installed directly on carpeting or vinyl.

Use the minimum clearances shown in the diagrams below:

**H27E-NG11 & H27E-LP11 Clearances**

- A Left Side Wall to Unit* 6" / 150 mm
- B Back Wall to Unit 3" / 75 mm
- C Vertical Vent Pipe to Back Wall 2" / 50 mm
- E Unit Corner to Wall 2" / 50 mm
- Unit Top to Alcove Ceiling 24" / 610 mm

Minimum ceiling height is 24" /610 mm from top of unit.
Gas Stoves

Hampton Direct Vent System
Minimum Horizontal Installation

These venting systems, in combination with the H27 Direct Vent Gas Fireplace, have been tested and listed as a direct vent heater system by Intertek. The location of the termination cap must conform to the requirements in the Vent Terminal Locations diagram.

FPI Direct Vent (Flex) System Termination Kit includes all the parts needed to install the H27 using a minimum horizontal vent run.

<table>
<thead>
<tr>
<th>FPI Kit #</th>
<th>Length</th>
<th>Contains:</th>
</tr>
</thead>
</table>
| #946-544   | 1.5 Feet | 1. 6-5/8” Rigid Pipe Section (Kit length)  
                                2. 4” aluminum vent (Kit length)  
                                3. thimble cover (1)  
                                4. thimble (1)  
                                5. adaptor  
                                6. Termination cap (1)  
                                7. trim collar (2)  
                                8. tube of Mill Pac (1)  
                                9. S.S. screws #8 x 1-1/2”, self-tap, (12)  
                               10. Blk. screws #8 x 1-1/2”, self-tap, (14)  
                               11. Blk. screws #8 x 1-1/2” drill point, (4)  
                               12. S.S. screws #8 x 1-1/2” drill point, (4)  
                               13. Wood screws #8 x 1” (8)  
                               14. vinyl siding standoff (optional #946-205) |

Notes:
1. Liner sections should be continuous without any joints or seams.
2. Only Flex pipe purchased from Hampton may be used for Flex installations.
3. Horizontal sections must be supported every 3 feet.

Hampton Direct Vent System
Horizontal Terminations Only

These venting systems, in combination with the H27 Direct Vent Gas Fireplace, have been tested and listed as a direct vent heater system by Intertek. The location of the termination cap must conform to the requirements in the Vent Terminal Locations diagram.

FPI Direct Vent (Flex) System Termination Kits include all the parts needed to install the H27 using a flexible vent.

<table>
<thead>
<tr>
<th>FPI Kit #</th>
<th>Length</th>
<th>Contains:</th>
</tr>
</thead>
</table>
| #946-116   | 2 Feet | 1. 6-5/8’ Rigid Pipe Section (Kit length)  
                                2. 4” flexible liner (Kit length)  
                                3. spring spacers (4)  
                                4. 90° Elbow  
                                5. Adjustable pipe section 13-1/2” to 24”  
                                6. thimble cover (1)  
                                7. thimble (1)  
                                8. adaptor  
                                9. AstroCap terminal cap (1)  
                               10. trim collar (2)  
                               11. tube of Mill Pac (1)  
                               12. S.S. screws #8 x 1-1/2”, self-tap, (12)  
                               13. Blk. screws #8 x 1-1/2”, self-tap, (14)  
                               14. Blk. screws #8 x 1-1/2” drill point, (4)  
                               15. S.S. screws #8 x 1-1/2” drill point, (4)  
                               16. Wood screws #8 x 1” (8)  
                               17. vinyl siding standoff (optional #946-206) |

Notes:
1. Liner sections should be continuous without any joints or seams.
2. Only Flex pipe purchased from Hampton may be used for Flex installations.
3. Horizontal sections must be supported every 3 feet.
Snorkel Terminations

Snorkel Terminations:
For installations requiring a vertical rise on the exterior of the building, 14-inch and 36-inch tall Snorkel Terminations and the Riser Vent are available. Follow the same installation procedures as used for standard Horizontal Termination. NEVER install the snorkel upside down.

Below Grade Snorkel Installation
If the Snorkel Termination must be installed below grade, i.e. basement application, proper drainage must be provided to prevent water from entering the Snorkel Termination. Refer to Rigid Pipe Installation instructions for details. Do not attempt to enclose the Snorkel within the wall, or any other type of enclosure.

VENTING ARRANGEMENTS - HORIZONTAL TERMINATIONS USING DURA-VENT VENTING SYSTEM AND/OR RISER VENT TERMINATION

The two diagrams show all allowable combinations of straight horizontal termination with one 45° elbow off the unit with Snorkels or FPI Riser Vent. Restrictor position “A”.

Snorkel Termination

Riser Vent Termination
VENTING ARRANGEMENTS

HORIZONTAL TERMINATIONS FOR ALL VENTING SYSTEMS

The shaded areas in the diagram below show all allowable combinations of vertical runs with horizontal terminations. Maximum one 90° elbow (two 45° elbows equal one 90° elbow).

PROPAINE AND NATURAL GAS: RESIDENTIAL, MANUFACTURED AND MOBILE HOMES INSTALLATIONS

VERTICAL TERMINATIONS SYSTEMS FOR RESIDENTIAL MANUFACTURED AND MOBILE HOMES

The shaded area in the diagram below shows all allowable combinations of straight vertical and offset to vertical runs with vertical terminations. Maximum two 45° elbows.

If the vent is ENCLOSED in a chase (min. size 9" x 9") maintain a 1-1/4" clearance to combustibles.

May be installed in Manufactured (Mobile) Homes after first sale.

May be installed in Manufactured (Mobile) Homes after first sale.
**H27E-11 Gas Stove**

**Gas Stoves**

**VERTICAL TERMINATION WITH CO-LINEAR FLEX SYSTEM**

*THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.*

This appliance is designed to be attached to two 3" (76mm) co-linear aluminium flex running the full length of the chimney. See the Venting Arrangements chart below for minimum and maximum flue lengths. See chart below for minimum distances from roof. Periodically check that the vent is unrestricted.

Masonry chimneys may take various contours which the flexible liner will accommodate. However, keep the flexible liner as straight as possible, avoid unnecessary bending.

The Air Intake pipe must be attached to the inlet air collar of the termination cap.

**Required Parts:**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>946-529</td>
<td>Co-linear DV Vertical Termination Cap</td>
</tr>
<tr>
<td>948-305</td>
<td>3&quot; Flex - 35 ft.</td>
</tr>
<tr>
<td>946-563</td>
<td>Co-Axial to Co-Linear Adaptor Kit which contains the following:</td>
</tr>
<tr>
<td></td>
<td>Co-linear Flex Adaptor (270-585)</td>
</tr>
<tr>
<td></td>
<td>Outer Pipe (946-257)</td>
</tr>
<tr>
<td></td>
<td>Inner Pipe Adaptor (946-219)</td>
</tr>
</tbody>
</table>

**Venting Arrangements - Vertical Terminations**

with Co-linear Flex System for both Residential & Manufactured Homes into Masonry Fireplaces

The shaded area in the diagram shows the allowable vertical terminations. Note: Must remove 4 screws from stove collar and rotate 180° to have collar facing straight back. Secure into place with 4 screws.

**Straight Vertical Terminations**

Vent Restrictors set at fully open, Position "A"

**Minimum vertical distance in ft. (m) from roof up to lowest opening in termination cap**

<table>
<thead>
<tr>
<th>Minimum Vertical Distance</th>
<th>Roof Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 (2.4)</td>
<td></td>
</tr>
<tr>
<td>7 (2.1)</td>
<td></td>
</tr>
<tr>
<td>6 (1.8)</td>
<td></td>
</tr>
<tr>
<td>5 (1.5)</td>
<td></td>
</tr>
<tr>
<td>4 (1.2)</td>
<td></td>
</tr>
<tr>
<td>3 (0.9)</td>
<td></td>
</tr>
<tr>
<td>2 (0.6)</td>
<td></td>
</tr>
<tr>
<td>1 (0.3)</td>
<td></td>
</tr>
</tbody>
</table>

- **Air Intake**
- **Co-linear DV Vertical Termination Cap #946-529**
- **A maximum of two certified joiner kits may be used per length. #948-305 (35 ft)**
- **Inner Pipe Adapter with Kit# 946-563**
- **Co-Linear Flex Adapter with Kit# 946-563**
RESIDENTIAL AND MANUFACTURED HOMES / MOBILE HOMES
MINIMUM HORIZONTAL TERMINATION INSTALLATIONS

Planning Your Venting Installation

See the "Exterior Vent Terminal Locations" section for requirements. The gas stove is approved for a minimum horizontal termination with the FPI Riser Vent Kit. See the diagram for minimum and maximum pipe lengths.

When planning your installation, it will be necessary to select the proper length of vent pipe for your particular requirements. Determine the minimum clearance to combustibles from the rear of the unit to the wall. It is also important to note the wall thickness. Before cutting the vent hole through the wall ensure that ALL vent and termination clearances (see the "Exterior Vent Terminal locations" section) will be met.

*If this is an outside corner, the minimum distance between the vent and the outside corner is 6" (15cm). See "F" on the diagram in the "Exterior Vent Terminal Locations" section.

Note: These are the minimum pieces required. Other parts may be required for your particular installation.

Minimum components for a Horizontal Installation:

946-544 Horizontal Termination Kit which includes:
1 6-5/8" Dia. x 18" Black Pipe
1 4" Dia. x 18" Aluminium Vent
1 Wall Penetration Heat Shield (Wall Thimble) (2 pcs)
1 640-530/P Riser Vent Terminal
1 Decorative Wall Trim (Black)
1 948-128 Tube Mill-Pac Screws

Optional Components:

946-204 45° Elbow - 6-5/8" Black pipe
and 4" Aluminium Vent
946-205 Vinyl Siding Shield for Riser Vent Terminal
946-208/P Vent Guard