**Gas Fireplaces**

**P33 / P33E Gas Fireplace**

<table>
<thead>
<tr>
<th>Model</th>
<th>P33-NG10</th>
<th>P33-LP10</th>
<th>P33E-NG11</th>
<th>P33E-LP11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
<td>Propane</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>
<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>
<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. (0.39 kPa)</td>
<td>6.4&quot; W.C. (1.59 kPa)</td>
<td>1.6&quot; W.C. (0.39 kPa)</td>
<td>6.4&quot; W.C. (1.59 kPa)</td>
</tr>
<tr>
<td>Orifice Size</td>
<td>#44 DMS</td>
<td>#65 DMS</td>
<td>#44 DMS</td>
<td>#65 DMS</td>
</tr>
<tr>
<td>Minimum Input Altitude 0-4500 ft. (0-1370m)</td>
<td>14,000 BTU/h (4.10 kW)</td>
<td>14,500 BTU/h (4.10 kW)</td>
<td>14,000 BTU/h (4.10 kW)</td>
<td>15,500 BTU/h (4.54 kW)</td>
</tr>
<tr>
<td>Maximum Input Altitude 0-4500 ft. (0-1370m)</td>
<td>20,000 BTU/h (5.86 kW)</td>
<td>18,000 BTU/h (5.29 kW)</td>
<td>20,000 BTU/h (5.86 kW)</td>
<td>19,500 BTU/h (5.71 kW)</td>
</tr>
<tr>
<td>Vent Sizing</td>
<td>4&quot; Inner / 6 5/8&quot; Outer</td>
<td>4&quot; Inner / 6 5/8&quot; Outer</td>
<td>4&quot; Inner / 6 5/8&quot; Outer</td>
<td>4&quot; Inner / 6 5/8&quot; Outer</td>
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<tr>
<td>CSA P.4.1</td>
<td></td>
<td>66.49%</td>
<td></td>
<td>66.44%</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® American Metal Products® Amerivent Direct Security Secure Vent® Selkirk Direct-Temp™ Metal-Fab® Sure Seal ICC Excel Direct</td>
</tr>
</tbody>
</table>

**P33 DIMENSIONS WITH VIGNETTE FACEPLATE & FINISHING TRIM**

**CLEARANCES WITH VIGNETTE FACEPLATE**

**Caution Requirements**

The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

**WARNING**

Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

The clearances listed below are Minimum distances unless otherwise stated:

A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

**Clearance to Combustibles from:**

- **Back**: 0" (0mm)
- **Side**: 0" (0mm)
- **Floor**: 0" (0mm)

**Minimum Clearance from Top of Unit to:**

- **Mantel**: min. 10" (254mm)
- **Ceiling**: 30" (762mm) from top of unit.
- **Side Wall Clearance**: 7 - 1/2" (191mm)

**Minimum Vent Clearances:**

- Horizontal Top: 2-1/2" (64mm) Vertical Vent Clearance
- Horizontal Side: 1-1/2" (38mm) Vertical Vent Clearance
- Horizontal Bottom: 1-1/4" (32mm) Vertical Vent Clearance

**Clearance (Rigid Vent):**

1-1/2" (38mm) Vertical Vent Clearance (Flex Vent)

**Alcove Clearances:**

- Max. Depth: 36" (914mm)
- Min. Width: 48" (1219mm)
- Min. Height: 59" (1499mm)

* See Mantel Clearance Instructions.
UNIT DIMENSIONS WITH VIGNETTE AND VIGNETTE FINISHING TRIM

UNIT DIMENSIONS WITH SAFETY SCREEN (#439-929) AND OPTIONAL LOUVERS

MANTEL LEG CLEARANCES WITH VIGNETTE FACEPLATE

Combustible mantel leg clearances from side of unit as per diagram:

Maximum
1-1/2” projection at 2” minimum clearance.
COMBUSTIBLE MANTELS

Because of the extreme heat this fireplace emits, the mantel clearances are critical.

Combustible mantel clearances from top of unit are shown in the diagram below.

**Note:** A non-combustible mantel may be installed at a lower height if the framing is made of metal studs covered with a non-combustible board.

**Note:** Mantel starts at *1" deep and end at *12" deep. **For Vignette with Vignette Finishing Trim flush finish, all materials (framing & finishing) below the mantel and the width of the trim (34- 1/16") must be non-combustible if a lower mantel is desired.

**Note:** Ensure the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolor.

**MANTEL CLEARANCES WITH VIGNETTE + VIGNETTE FINISHING TRIM STEPPED FINISH**

**MANTEL CLEARANCES WITH SAFETY SCREEN AND LOUVERS**

**MANTEL CLEARANCES WITH VIGNETTE + VIGNETTE FINISHING TRIM FLUSH FINISH**
1. Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.

2. Frame in the enclosure for the unit with framing material - see next page for dimensions.

**NOTE:** If using the optional Vignette finishing trim, this can be installed as a 3-sided or 4 sided finish trim. If choosing to use this as a 4 sided finish trim the framing would need to be increased in height by 1-1/4" inches minimum in order for this to fit. This must be to the finished floor. (Example: 34 3/4" framing height + 1-1/4" to bottom of 4-sided finishing trim +1/2 thick finished floor = 36 1/2" total framing height

**NOTE:** If this is an outside corner, the minimum distance between the vent and the outside corner is 6" (15cm) with AstroCap termination cap or 12" (30cm) with Rigid Vent termination cap. (For example Dura-Vent).
Rigid Pipe Venting
Horizontal or Vertical Terminations

Venting Arrangements - Vertical Terminations
Rigid Pipe System
(Propane & Natural Gas)

The P33/P33E is approved for a maximum 40 ft. straight vertical, with Rigid Pipe vent systems for Propane and Natural Gas.

The lightly shaded area, in the diagram shows allowable venting configurations with a maximum two 45° elbows.

The darker shaded area, in the diagram shows allowable venting configurations using one 45° and one 90° elbow.

• Vent must be supported at offsets.
• Horizontal sections must be supported every 3 feet.
• Firestops are required at each floor level and whenever passing through a wall.
• Maintain clearances to combustible materials.
• Minimum of 1’ pipe section between elbows.

Note: Must use optional rigid pipe adaptor when using Rigid Pipe (Part # 510-994)
Venting Arrangements - Horizontal Terminations

This diagram shows all allowable combinations of vertical runs with horizontal terminations, using one 45° and one 90° elbow (two 45° elbows equal one 90° elbow).

Note: Must use optional rigid pipe adaptor (Part # 510-994) when using rigid pipe vent systems. (Refer “Rigid Pipe Venting Systems” Section).

- Maintain clearances to combustibles.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.

A vent guard may be required as per local codes, refer to Exterior Vent Termination Locations.

Note: FPI Direct Vent System (Flex) is only approved for horizontal terminations.

Please refer to Exterior Vent Terminations for additional guidelines on vent locations.
**Vertical termination with co-linear flex system**

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

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.

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 for minimum and maximum heights.

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### 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>Coaxial to Co-linear Adaptor Kit</td>
</tr>
<tr>
<td>510-994</td>
<td>Rigid Pipe Adaptor</td>
</tr>
<tr>
<td>46DVA-E45</td>
<td>45° Elbow</td>
</tr>
</tbody>
</table>

### Alternate Approved Caps

- 46dva-VC: Vertical Termination Cap
- 46dva-VCH: High Wind Cap
- 46dva-GK: 3" Co-linear Adaptor with flashing

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The shaded area in the diagrams show the allowable vertical terminations.

Please refer to Exterior Vent Terminations for additional guidelines on vent locations.