# PTO50 Outdoor Decorative Fireplace

## Specifications:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>PTO50-NG</th>
<th>PTO50-LP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>PTO50-NG</td>
<td>PTO50-LP</td>
</tr>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
<td>Propane Gas</td>
</tr>
<tr>
<td>Minimum Supply Pressure</td>
<td>14&quot; W.C. (3.49 kPa)</td>
<td>14&quot; W.C. (3.49 kPa)</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>Orifice Size</td>
<td>#11 DMS</td>
<td>#42w DMS</td>
</tr>
<tr>
<td>Maximum Input Altitude 0-4500 ft.</td>
<td>64,000 Btu/h (18.76 kW)</td>
<td>62,000 Btu/h (18.17 kW)</td>
</tr>
<tr>
<td>Vent Sizing</td>
<td>No Vent</td>
<td>No Vent</td>
</tr>
</tbody>
</table>

![Diagram](image-url)

---

**TOP VIEW**

- 57 1/2" [1461mm]
- 14" [356mm]
- 10 3/8" [263mm]
- 56 7/16" [1433mm]
- 53 3/16" [1352mm]
- 1 3/16" [30mm] OUTSIDE MOUNTING HOLES
- 1 3/16" [30mm] OUTSIDE MOUNTING HOLES

**SIDE VIEW**

- Adjust to 2-3/8" [60mm]
- 1/2" [13mm] OUTSIDE MOUNTING HOLES

**END VIEW**

- 8 1/4" [210mm]
PTO50 Outdoor Decorative Gas Fireplace

PTO80 (PTO50 JOINED WITH PTO30 JOINED END TO END)

PTO100 (2 X PTO50 JOINED END TO END)
MINIMUM CLEARANCES TO COMBUSTIBLES

The clearances listed below are Minimum distances unless otherwise stated:

A major cause of fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this decorative gas appliance be installed only in accordance with these instructions.

**Caution Requirements**
The top, back and sides of the decorative gas appliance 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 decorative gas appliance be installed only in accordance with these instructions.

PTO50, PTO80 or PTO100 Clearance Requirements

<table>
<thead>
<tr>
<th>Clearance:</th>
<th>Dimension</th>
<th>Measured From:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Back wall</td>
<td>18&quot; (457mm)</td>
<td>Burner to back wall</td>
</tr>
<tr>
<td>B: Sidewall</td>
<td>17&quot; (432mm)</td>
<td>Burner to sidewall</td>
</tr>
<tr>
<td>C: Ceiling</td>
<td>45&quot; (1143mm)</td>
<td>Burner to Ceiling</td>
</tr>
<tr>
<td>D: Unit Base</td>
<td>1&quot;(25mm)</td>
<td>Unit Base to Combustible</td>
</tr>
<tr>
<td>E1: Alcove Width</td>
<td>91&quot;(2311mm)</td>
<td>Wall to Wall (Minimum)</td>
</tr>
<tr>
<td>E2: Alcove Width (PTO80)</td>
<td>121&quot; (3074mm)</td>
<td></td>
</tr>
<tr>
<td>E3: Alcove Width (PTO100)</td>
<td>141&quot; (3581mm)</td>
<td></td>
</tr>
<tr>
<td>F: Alcove Depth</td>
<td>60&quot; (1524mm)</td>
<td>Front to Back Wall (Maximum)</td>
</tr>
<tr>
<td>Notes:</td>
<td>0&quot;</td>
<td>No Hearth Required</td>
</tr>
</tbody>
</table>

Clearances shown are to both combustible/non combustible material.
INNER FRAMING DIMENSIONS (REQUIRED)
NOTE: FRAMING MATERIAL NOT SUPPLIED

NOTE: Framing materials must be non-combustible when used within 5" of the unit. Combustible framing materials may be used outside the 5" clearance range.

Note: The PTO30 non combustible clearance is 4", although when combining it with a PTO50 to make a PTO80 the clearance will be 5".

Finishing materials MUST be non-combustible.

Consideration should be given to weather / elements when choosing framing materials (ie. treated lumber, steel stud).

NOTE: PTO50 - Two (2) ventilation grills are required for all enclosures. This is to alleviate moisture and allow for air to circulate. Minimum recommended size 20" sq (508 mm²) ea. The ventilation grills must be located at the ends of the burner as shown.

NOTE: PTO80 - Four (4) ventilation grills are required for all enclosures. This is to alleviate moisture and allow for air to circulate. Minimum recommended size 20" sq (508 mm²) ea. The ventilation grills must be located at the ends of the burner as shown.
NOTE: PTO100 - Four (4) ventilation grills are required for all enclosures. This is to alleviate moisture and allow for air to circulate. Minimum recommended size 20 sq (508 mm²) ea. The ventilation grills must be located at the ends of the burner as shown.
LOCATING YOUR OUTDOOR DECORATIVE GAS APPLIANCE

1) When selecting a location for your outdoor decorative gas appliance, ensure that the clearances are met.

2) This appliance must be installed in an open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

3) Certain materials or items, when placed under or near the appliance, will be subjected to radiant heat and could become damaged.

4) Typically an outdoor space is not enclosed but, any enclosure in which the appliance is used shall comply with one of the following:

   An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover.

   Within a partial enclosure that includes an overhead cover and no more that two walls.

   Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:
   • At least 25% of the total wall area is completely open, and
   • At least 30% of the remaining wall area is open and unrestricted

   30% or more in total of the remaining wall area is open and unrestricted.