

## INSTALLATION

### Important Safety Rules:

1. Children and adults should be aware of high surface temperature of areas above the post when operating this heater.
2. Children should be carefully supervised when they are in the area of the heater.
3. **NEVER** hang anything including clothes or other flammable items on the heater.
4. **DO NOT** operate this heater unless it is fully assembled with reflector in place.
5. **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
6. Installation and repair should be done by a qualified service person. The heater must be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passages of the heater be kept clean.

Prior to assembling your patio heater, the following must be reviewed. Compliance with the following should result in satisfactory heater operation. This instruction manual should be retained for future reference. The installation must conform with local codes or authority having jurisdiction.

1. The patio heater is intended for heating residential and non-residential outdoor spaces. The installation must conform with New Zealand Standard 5261 'Gas Installations'.
2. Adequate clearance around air openings into the combustion chamber, clearances from combustible materials, provisions for accessibility and for combustion and ventilating air supply must be maintained at all times when the heater is operating.
3. Proper clearance from combustible materials must be maintained at all times. The minimum clearances are as follows:

#### Minimum Clearance from Combustibles:

<b>Side</b>	600 mm	<b>Rear</b>	600 mm
<b>Ceiling</b>	450 mm	<b>Below</b>	1800 mm

Combustible materials are considered to be wood, compressed paper, plant fibres, plastic, Plexiglas or other materials capable of being ignited and burned. Such materials shall be considered combustible even though flame proofed, fire-retardant treated or plastered. Additional clearance may be required for glass, painted surfaces and other materials which may be damaged by radiant or convection heat.

4. Heaters must be placed on a level and adequate footing and be readily accessible.
5. The gas manifold supply pressure must be regulated at 2.75 kPa utilising an approved regulator (Supplied with heater).
6. The heater must be inspected before each use, and at least annually by a qualified service person.
  - a. The appliance area must be kept clear and free of combustible materials, gasoline and other flammable vapours and liquids.
  - b. Gas orifices and burner must be kept clear of dirt and cobwebs. Flow of combustion and ventilation air through the perforated portions of the heater must not be obstructed.
  - c. All gas connections should be checked for leaks utilising a soap solution. Never use a flame for this purpose.
  - d. The flame pattern at the emitter grid should be visually checked whenever heater is operated. If flames extend beyond surface of the emitter grid or black spot is accumulating on the emitter grid or reflector, the heater should be turned off immediately. The heater should not be operated again until the unit is serviced and or repaired.
  - e. Any cleaning agent used on the heater should be of a non-combustible and non-corrosive nature.
  - f. The stainless steel emitter grid normally does not require cleaning and should **NEVER** be painted. The reflector may be cleaned, but never painted.

# Area & Column Heater Installation

## INSTALLATION

### Important Safety Rules:

This appliance must only be used in a well ventilated area.

1. This appliance shall not be installed or used indoors, in buildings, garages or any other enclosed area.
2. **DO NOT** place articles on or against this appliance.
3. **DO NOT** use or store flammable materials near this appliance.
4. Children and adults should be alerted to the hazards of high surface temperatures, burns and clothing ignition.
5. Children should be carefully supervised when they are in the area of the appliance.
6. **NEVER** hang anything including clothes or other flammable items on the appliance.
7. **DO NOT** operate this appliance unless it is fully assembled with burner guard in place.
8. **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
9. Installation and repair should be done by a qualified service person. The appliance must be inspected before use and at least annually by a qualified service person. It is imperative that control compartment, burners and circulating air passages of the heater be kept clean.

Prior to assembling your appliance, the following must be reviewed. Compliance with the following should result in satisfactory heater operation. This instruction manual should be retained for future reference. The installation must conform with local codes or authority having jurisdiction.

1. The patio heater is intended for heating residential and non-residential outdoor spaces. The installation must conform with New Zealand Standard 5261 'Gas Installations'.
2. Adequate clearance around air openings into the combustion chamber, clearances from combustible materials, provisions for accessibility and for combustion and ventilating air supply must be maintained at all times when the appliance is operating.

3. Proper clearance from combustible materials must be maintained at all times. The minimum clearances are as follows:

#### Minimum Clearance from Combustibles:

<b>Side</b>	500 mm	<b>Rear</b>	500 mm
<b>Ceiling</b>	500 mm	<b>Below</b>	500 mm

Combustible materials are considered to be wood, compressed paper, plant fibres, plastic, plexiglas or other materials capable of being ignited and burned. Such materials shall be considered combustible even though flame proofed, fire-retardant treated or plastered. Additional clearance may be required for glass, painted surfaces and other materials which may be damaged by radiant or convection heat.

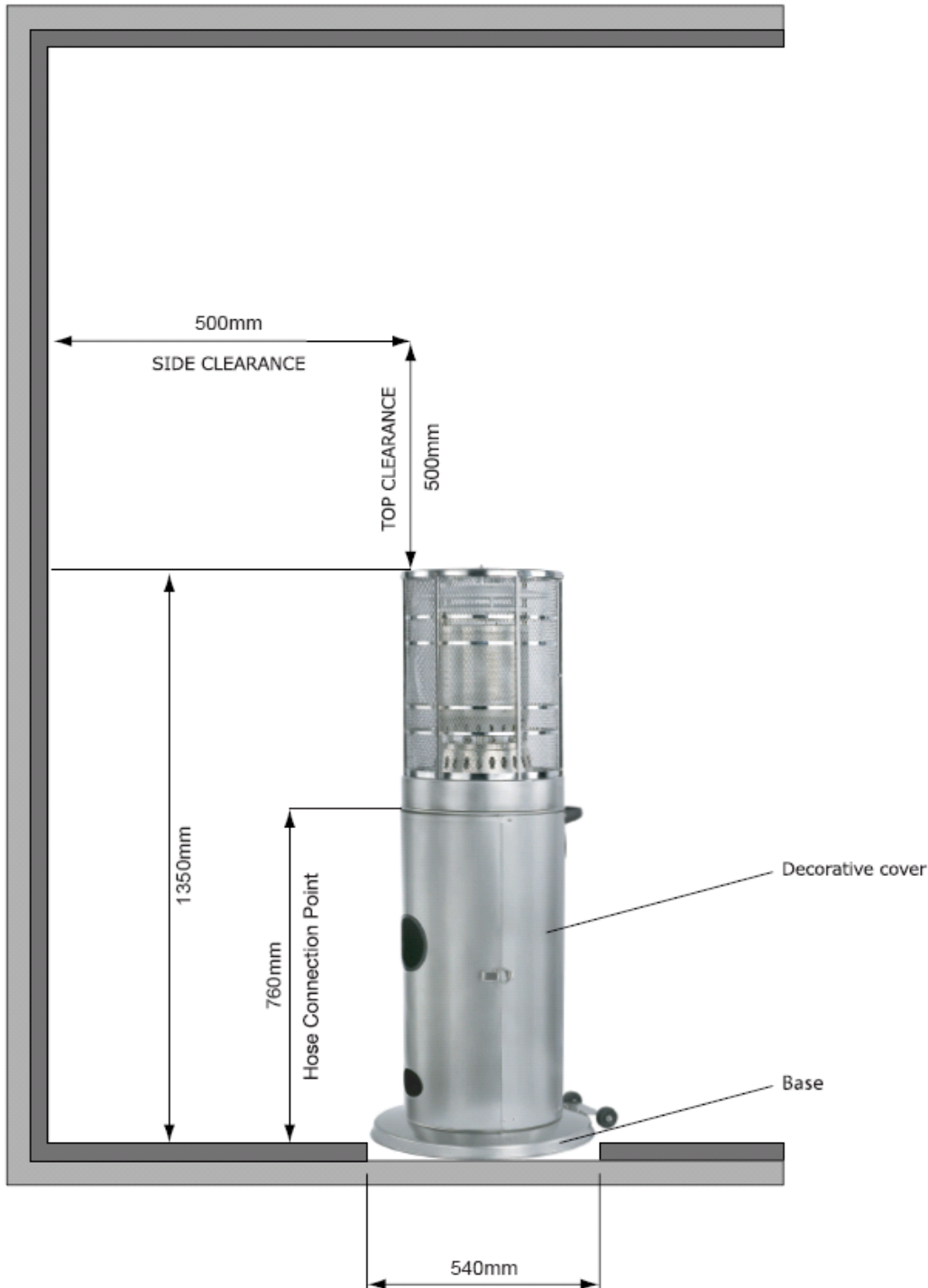
4. Heaters must be placed on a level and adequate footing and be readily accessible.
5. The gas manifold supply pressure must be regulated at 2.75 kPa utilising an approved regulator (supplied with heater).
6. The appliance must be inspected before each use, and at least annually by a qualified service person.
  - a. The appliance area must be kept clear and free of combustible materials, gasoline and other flammable vapours and liquids.
  - b. Gas orifices and burner must be kept clear of dirt and cobwebs. Flow of combustion and ventilation air through the perforated portions of the heater must not be obstructed. Cleaning with a soft brush before use and at least every six months is recommended.
  - c. All gas connections should be checked for leaks utilising a soap solution. Never use a flame for this purpose.
  - d. The flame pattern at the emitter grid should be visually checked whenever heater is operated. If flames extend beyond surface of the emitter grid or black spot is accumulating on the emitter grid or reflector, the heater should be turned off immediately. The heater should not be operated again until the unit is serviced and or repaired.
  - e. Any cleaning agent used on the heater should be of a non-combustible and non-corrosive nature.
  - f. The stainless steel emitter grid normally does not require cleaning and should **NEVER** be painted.

Gasmate products are distributed by:  
Aber Holdings Ltd T/A Aber  
17 Mainstreet Place, Te Rapa, Hamilton 3241

Customer Service Free Phone: 0800 161 161  
Customer Service Free Fax: 0800 163 163  
sales@aber.co.nz www.aberwholesale.co.nz

**AREA HEATER - For Outdoor Use Only**

**Minimum Clearance from Combustible Surfaces\*:**



\*Combustible materials are considered to be wood, compressed paper, plant fibres, plastic or other materials that are capable of being ignited and burned.

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## SAFE APPLIANCE LOCATIONS

This appliance shall only be used in an above ground open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

**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 (see Example 1).

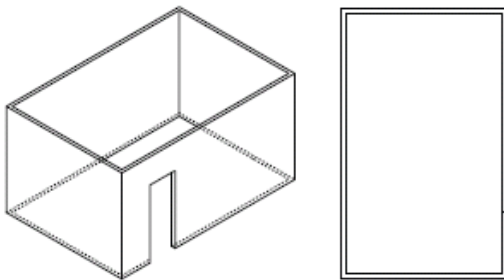
Within a partial enclosure that includes an overhead cover and no more than two walls (see Example 2 & 3).

**Within a partial enclosure that includes an overhead cover and more than two walls, the following will apply:**

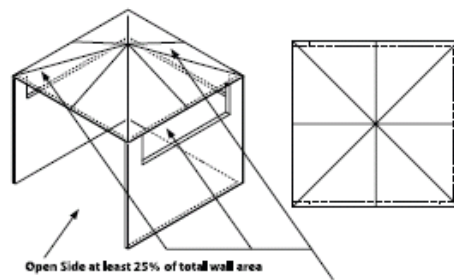
at least 25% of the total wall area is completely open, and  
at least 30% of the remaining wall area is open and unrestricted (see Example 4 & 5).

In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted.

The following figures are diagrammatical representations of outdoor areas. Rectangular areas have been used in these figures - the same principles apply to any other shaped area.

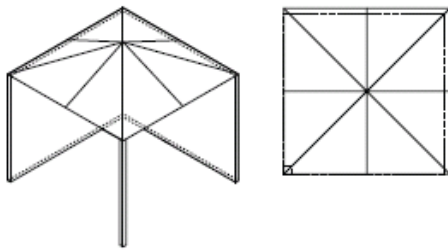


Outdoor Area - Example 1

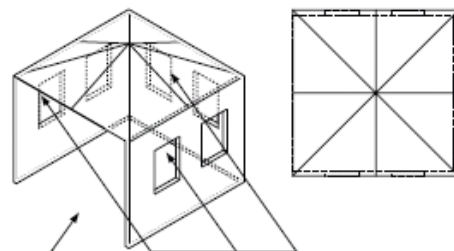


Open Side at least 25% of total wall area  
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 4

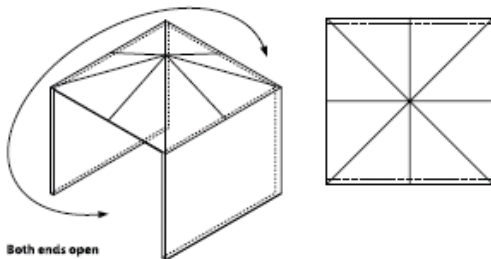


Outdoor Area - Example 2



Open Side at least 25% of total wall area  
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 5



Outdoor Area - Example 3

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