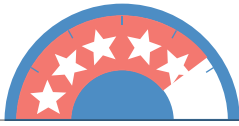


# Paloma<sup>®1</sup>

**room** [sealed]  
**GAS SPACE HEATING**





PRS-250

Paloma Room Sealed Gas space heaters offer fully automatic, thermostatically controlled heating. These high efficiency heaters provide rapid winter warmth and their coaxial flue system ensures room air remains fresh.

- **Energy Efficiency Star Rating** – 4.8 Stars
- **On/Off Operation** – One touch electronic ignition.
- **Dual Timers** – can be set to operate automatically at two separate periods of the day (can be used as morning and evening timers). Timers can be set to operate with two timer periods, one timer period or none at all.
- **Low Standby Power Usage** – standby power consumption is just 1 Watt.
- **Economy Mode** – increases the efficiency of the heater. When Economy mode is activated the heater gradually reduces the room temperature by 1°C for every 30 minutes up to 2°C. This change in temperature is hardly noticeable.
- **Preheat** – the heater automatically operates up to one hour prior to the programmed starting time, so the room is at the required temperature when the programmed ON time is reached.
- **Timer Override** – allows you to manually override the preset program and operate the heater. The 'Override' button can be operated when the heater is in a Timer ON or Timer OFF period.
- **Adjustable Room Temperature** – when the heater is turned on, both the set temperature and room temperature are displayed on the screen. You can easily adjust the room temperature between 16°C & 26°C by using the arrows on the control panel.





## GAS SPACE HEATERS



Control Panel



Humidifier Tray

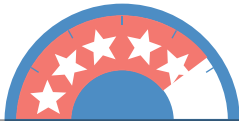


PRS-150

- **Child Lock Mode** – is available to prevent children interfering with the heater controls.
- **Humidifier Tray** – the heater has a humidifier tray located behind the lower front cover. The humidifier tray can be filled with water to raise the humidity level in the room, making it feel warmer and more comfortable.
- **Vertical Louvre Adjustment** – the louvres on the heater can be adjusted to direct air flow in the required direction by pushing the vertical section left or right.
- **Standard Back Cover Spacer Kit** – is supplied with the heater at no extra cost and is attached to the rear of the heater.
- **Auto Timer Off Operation** – the auto off timer is standard for all domestic & commercial models and can be activated so that the heater will automatically turn off after a preset time period. The heater has ten time settings – from 1 hour to 12 hours.
- **Adjustable Legs** – the heater can be leveled using the four adjustable legs supplied.
- **Paloma designed gas valve** – energy efficient seven stage modulating gas valve.
- **Country of Manufacture** – Japan.

### Inbuilt safety features:

- **Filter Clean Warning Device**
- **Flame Failure Device**
- **Power Failure Device**
- **Overheat Safety Device**
- **Over-Current Safety System**
- **Back Burner Protection**
- **Air Volume and Combustion Control**



Paloma PRS commercial models are suitable for use in school classrooms, halls, churches, day care centres, clubs and light commercial buildings.



PRS-250C

**These models have the following additional features:**

- **Lockable Control Panel** – is supplied with two keys and is designed to prevent the public from interfering with the controls. The control panel provides the following:
  - *Economy function* • *Function Lock* • *Auto Off Function*
  - *Temperature Adjustment Buttons* • *On/Off Button*
  - *Temperature Display – room temperature and set temperature*
  - *Central Control Function*
- **Filter & Operation Indicator** – these indicators are located outside the lockable control panel so that users are able to identify if the heater is operational or not.
- **Central Control 24VAC** – the commercial models can be controlled by an external central control system such as a time clock or BMS, which can be programmed to turn the heater (or a group of heaters) ON or OFF at scheduled times. The heater will operate in central control mode when a 24VAC command signal is received from a time clock or BMS. A two-way screw type terminal block for connection to a 24VAC Central Control board is located on the rear of the heater.



24VAC Terminal Block



Lockable Control Panel



# sealed

## GAS SPACE HEATERS

# The right choice...

### Who is Paloma?

The Paloma Group is a privately owned manufacturing company founded in 1911 as a pioneer of the Japanese gas appliance industry. Today it is the leading world producer of gas appliances.

The group is headquartered in Nagoya, Japan with manufacturing facilities and/or sales offices in Japan, USA, Australia, Canada, Mexico, New Zealand, China, Singapore, Brazil and Vietnam. All manufacturing facilities are ISO9001 or 14001 certified.

Paloma Gas space heaters are manufactured by Paloma at their facilities in Nagoya, Japan.

### The Paloma Range

The Paloma Room Sealed Gas space heater range includes three models – 15MJ/h & 25MJ/h domestic models and 25MJ/h commercial model available for Natural Gas (NG) or Universal LPG. These heaters are supplied with Paloma flue kits & accessories designed for multiple installation options so they can be installed anywhere in your home.

### Energy Efficiency Star Rating – Reduced Running Costs



Paloma Room Sealed Gas space heaters are rated 4.8 stars for superior energy efficiency, so they will reduce your running costs, saving you money.

### Zero Indoor Emission Technology – Clean Indoor Air

These Paloma heaters are room sealed, which means the Paloma coaxial flue system expels flue gases to the outside so your room air remains fresh and is not compromised.

### Quality & Warranty – Peace of Mind

All Paloma heaters are manufactured and tested prior to leaving the factory. They are certified to Australian safety standards and the quality of Paloma gas heaters is second to none. All Paloma Room Sealed Gas space heaters are backed by a warranty – refer to the warranty table or our website for details.

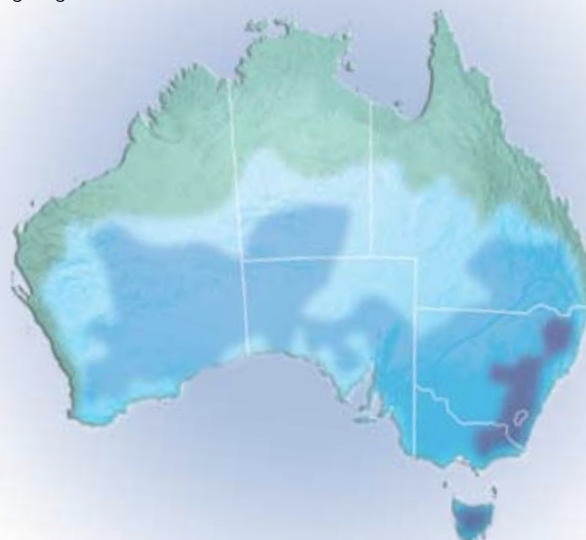
## HEATING CAPACITY SELECTION CHART

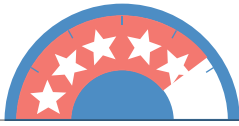
Description...	Very Cold	Cold	Cool	Mild
Max. Winter Daylight Temperatures...	Less than 10°C	10°C – 12°C	13°C – 15°C	16°C – 20°C
Heater Models	Approx. Heating Capacity (m <sup>2</sup> )			
<b>PRS-150</b>	30	35	48	54
<b>PRS-250</b>	52	61	82	94
<b>PRS-250C</b>	52	61	82	94

#### Notes:

- The above table has been developed to serve as a guide only.
- Heating capacities are based on a maximum ceiling height of 2.7m.

# wherever you are...





## SPECIFICATIONS

MODEL	PRS-150	PRS-250	PRS-250C
Application	Domestic	Domestic	Commercial
Gas Input (MJ/h) <i>High</i> <i>NG/LPG</i>	15	25	25
Gas Input (MJ/h) <i>Low</i> <i>NG/LPG</i>	6	9	9
Heater Output (kW)	3.4	5.9	5.9
AS4553 Energy Star Rating	4.8	4.8	4.8
AS4553 Emission Star Rating	6	6	6
Max. Heating Capacity (m <sup>2</sup> )* <i>Very Cold</i>	30	52	52
<i>Cold</i>	35	61	61
<i>Cool</i>	48	82	82
<i>Mild</i>	54	94	94
Electrical Power Cord Length (m)	1.5	1.5	1.5
Electrical Consumption (Watts) <i>High</i>	44	58	58
<i>Low</i>	25	27	27
<i>Standby</i>	1	1	1
Humidifier Tray Capacity (L)	1	1	1
Colour	Off White	Off White	Off White
Coaxial Flue Pipe Diameter (mm)	50 x 75	50 x 75	50 x 75
Thermostatic Control	16°C – 26°C	16°C – 26°C	16°C – 26°C
Dual Timers	Yes	Yes	Yes
Auto Off Mode	Yes	Yes	Yes
Preheat Function	Yes	Yes	Yes
Economy Mode	Yes	Yes	Yes
Override Function	Yes	Yes	Yes
Child Lock	Yes	Yes	Yes
Seven Stage Modulating Gas Valve	Yes	Yes	Yes
Blocked Filter Indicator	Yes	Yes	Yes
Lockable Control Panel	No	No	Yes
24VAC Terminal Block	No	No	Yes
Central Control Operation	No	No	Yes
Dimensions: H x W x D (mm)	610 x 760 x 257	610 x 760 x 257	610 x 760 x 257
Packaged Weight (kg)	31	31	31

\* Refer to Heating Capacity Selection Table.

## ORDER CODES

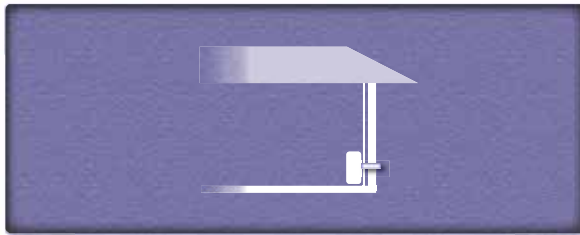
Natural Gas	PRS-150N	PRS-250N	PRS-250CN
LPG	PRS-150L	PRS-250L	PRS-250CL



# Flue kits & accessories

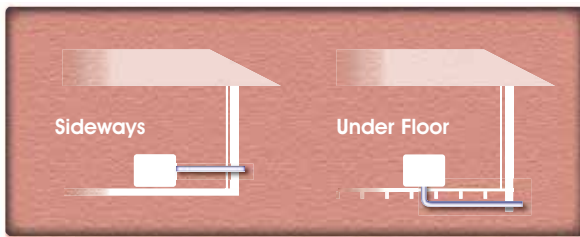
This table illustrates the flue configurations that are available and the kits required to construct each type of configuration.

### DIRECT



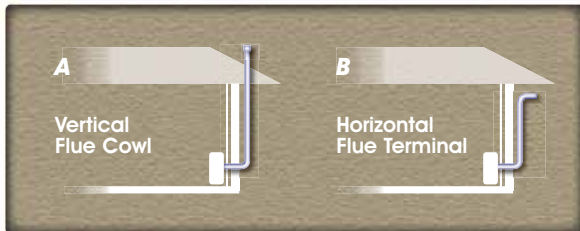
KITS REQUIRED	QUANTITY	PART NUMBER
<b>Standard Direct Flue Kit</b>	1	<b>PFK1000</b>
If wall thickness is less than 230 mm add Wall / Ceiling Plate Kit PFK5500		

### SIDEWAYS / UNDER FLOOR



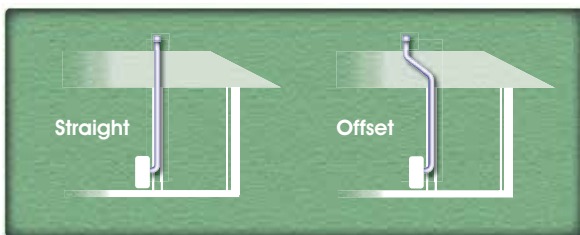
<b>Sideways / Under Floor Flue Kit</b>	1	<b>PFK3000</b>
Includes Standard Direct Flue Kit (PFK1000) & 90 Deg Bend		
<b>Extra Wide Back Cover Kit</b>	1	<b>PWSK001</b>
<b>Coaxial Flue Pipe Kit</b>	See note 2	<b>PFK4000</b>
<b>Coaxial 45° &amp; 90° Bend Kit</b>	See note 3	<b>PFK5100</b>

### DIRECT EXTERNAL WALL



<b>Standard Direct Flue Kit</b>	1	<b>PFK1000</b>
<b>Condensate Trap Kit</b>	1	<b>PFK5000</b>
<b>Coaxial Flue Pipe Kit</b>	See note 2	<b>PFK4000</b>
<b>Coaxial 45° &amp; 90° Bend Kit</b>	See note 3	<b>PFK5100</b>
<b>Wall / Ceiling Plate Kit</b>	1	<b>PFK5500</b>
<b>Vertical Flue Cowl Kit</b>	1 (A only)	<b>PFK5200</b>

### VERTICAL INTERNAL WALL



<b>Vertical Internal Wall Flue Kit:</b>	1	<b>PFK2000</b>
Includes Manifold Assembly with 90 Deg Bend & Condensate Trap, 4 x Coaxial Flue Pipe (PFK4000), Vertical Flue Cowl Kit (PFK5200), Wall Box Assembly Kit, Top Plate bracket, Drain Tube, Clips & Screws		
<b>Coaxial Flue Pipe Kit</b>	See note 2	<b>PFK4000</b>
<b>Coaxial 45° &amp; 90° Bend Kit</b>	See note 3	<b>PFK5100</b>

### ACCESSORIES

- **Extra Wide Back Cover Spacer Kit PWSK001** – for Sideways and Under Floor installations you will require a Paloma Wider Back Spacer kit. Use only with PFK3000. PWSK001 is suitable for Paloma models PRS-150, PRS-250 & PRS-250C.
- **Flue Terminal Guard Assembly Kit PFK5300** – a Stainless Steel Flue Terminal Guard is available to prevent the public or children coming in contact with the flue terminal.
- **Wall Plate Foam Seal Kit PFK5700** – for external sealing of Wall Plate on uneven weatherboard/cladding surfaces.

#### Notes:

- 1 Maximum flue length for all flue configurations is 9 metres total.
- 2 Coaxial flue pipe is 900 mm long – Order as many as required for installation.
- 3 Kit has 2 X 45° bends. Use 2 X 45° bends for each 90° bend. A maximum of two 90° bends is permissible for flue systems that terminate horizontally (direct extended, sideways, underfloor & horizontal external wall configurations). A maximum of three 90° bends is permissible for flue systems that terminate vertically (vertical external wall & vertical in-wall configurations). Direct sideways configurations (as depicted) do not require any bends unless they are required to be offset.
- 4 PFK2000 – The use of a Vertical Internal Wall Flue kit will require an internal wall cavity depth of 90 mm (minimum).
- 5 Suitable for horizontal flue termination only. No vertical flue run is allowed. Condensation must drain to outside.

## WARRANTY

Components	Warranty Period	Coverage
<b>DOMESTIC APPLICATIONS</b>		
Heat Exchanger	10 Years Pro-rata	Repair and/or replacement of the faulty component – Full repair or replacement cost in the first year, reducing by 10% per year thereafter.
Fans	2 Years	Component repair or replacement cost
All other components	1 Year	Component repair or replacement cost
Labour	1 Year	Repair and/or replacement of faulty component, free of charge
<b>COMMERCIAL APPLICATIONS</b>		
Heat Exchanger	1 Year	Component repair or replacement cost
Fans	1 Year	Component repair or replacement cost
All other components	1 Year	Component repair or replacement cost
Labour	1 Year	Repair and/or replacement of faulty component, free of charge

Note: For details about this warranty, you can contact us on **131 031** or by email at [warrantyenquiry@rheem.com.au](mailto:warrantyenquiry@rheem.com.au) (not for service bookings).



**SALES OFFICE:** Rheem Australia Pty Ltd ABN 21 098 823 511  
CLIMATE SYSTEMS DIVISION

Sales enquiries: 132 552  
Fax: 1300 554 821  
Website: [www.paloma.com.au](http://www.paloma.com.au)



**SERVICE:** 131 031

**SPARES:** 1800 812 916  
Email: [spareparts@rheem.com.au](mailto:spareparts@rheem.com.au)



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