

Paloma[®]

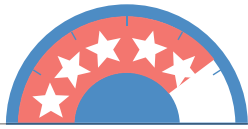
[flued]

GAS SPACE HEATING



From





[flued]

GAS SPACE HEATING



PRS-250

Paloma Flued 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).
- **Low Standby Power Usage** – standby power consumption is just 1 Watt.
- **Economy Mode** – 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 and increases the efficiency of the heater.
- **Preheat** – the heater automatically operates up to one hour prior to the programmed starting time, so the room is at the required temperature when required.
- **Timer Override** – allows you to manually override the preset program and operate the heater.
- **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.





Control Panel



Humidifier Tray

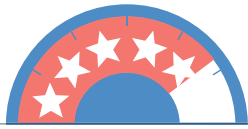


PRS-150

- **Child Lock Mode** – 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.
- **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.
- **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**



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GAS SPACE HEATING

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

The right choice...

The Paloma Group is a privately owned company founded in 1911, and based in Nagoya, Japan. It is the leading world producer of gas appliances. Paloma has manufacturing sites and/or sales offices in Japan, China, USA, Canada, Mexico, Brazil, throughout Asia, Australia and New Zealand.

Rheem is Australia's favourite name in water heating, and the name Australians have trusted for generations, since commencing manufacture in Australia in 1939. Rheem now brings this expertise to room heating, with the Paloma range of quality gas heating products.

Paloma Gas space heaters are designed and manufactured by Paloma in Japan.

The Paloma Range

The Paloma Flued 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.

4.8 Star Energy Efficiency Rating



Paloma Flued Gas space heaters are rated 4.8 stars for superior energy efficiency, saving you money.

Zero Indoor Emission Technology - Clean Indoor Air

These Paloma heaters are flued, which means the flue system expels flue gases to the outside of your home, 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 Flued Gas space heaters are backed by a warranty - refer to the warranty table or our website for details.

Heating Capacity Selection Chart

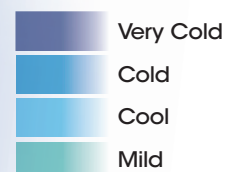
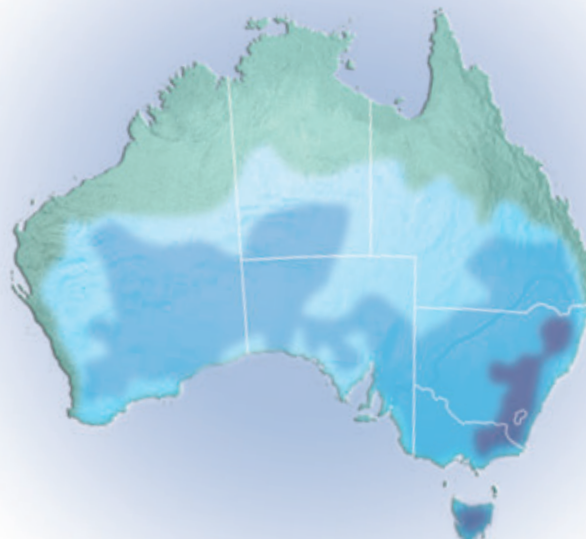
Description...	Very Cold	Cold	Cool	Mild
Max. Winter Daylight Temperatures...	Less than 10°C	10°C - 12°C	13°C - 15°C	16°C - 20°C
Heater Models	Approx. Heating Capacity (m ²)			
PRS-150	30	35	48	54
PRS-250	52	61	82	94
PRS-250C	52	61	82	94

Notes:

1 The above table has been developed to serve as a guide only.

2 Heating capacities are based on a maximum ceiling height of 2.7m.

wherever
you are...



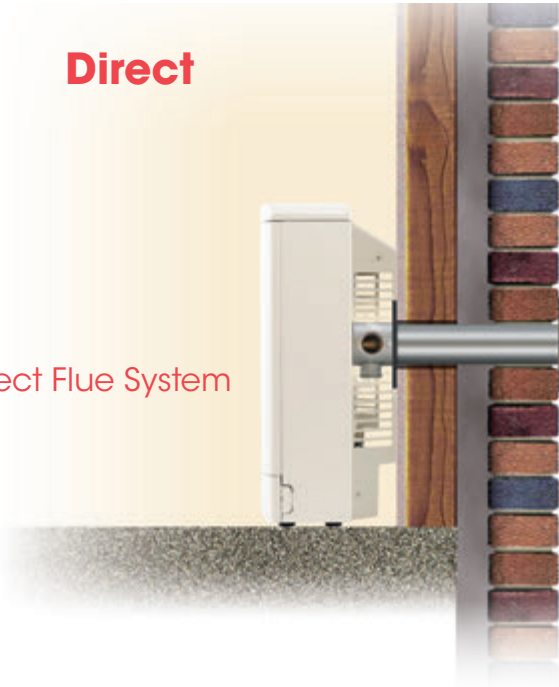
Paloma^{®1} [flued] GAS SPACE HEATING

Kits & accessories

Below are the available flue configurations and a listing of the kits required to complete each configuration. Paloma heaters must not be installed or operated unless a genuine Paloma flue kit is used.

Direct

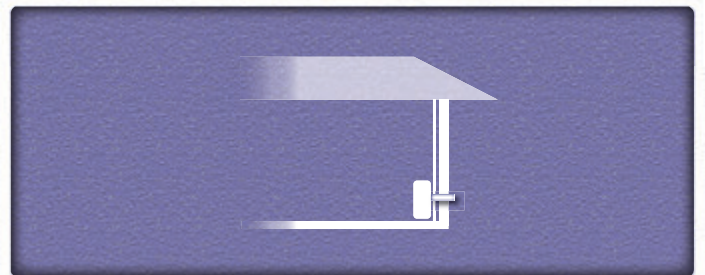
Direct Flue System



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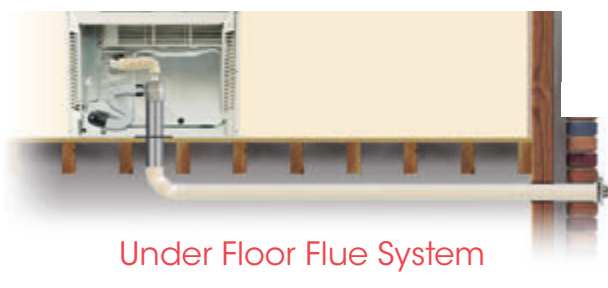
Standard Direct Flue Kit	1	PFK1000
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If wall thickness is less than 230 mm add Wall / Ceiling Plate Kit PFK5500



Sideways / under floor

Sideways Flue System



Under Floor Flue System

KITS REQUIRED	QUANTITY	PART NUMBER
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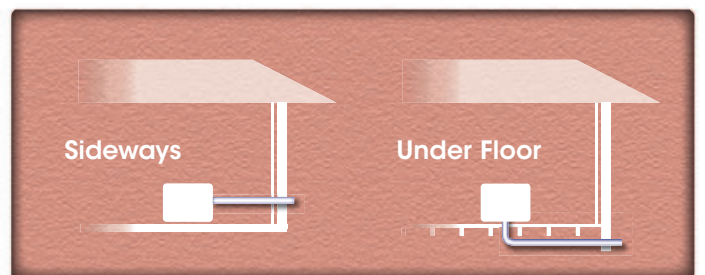
Sideways / Under Floor Flue Kit	1	PFK3000
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Includes Standard Direct Flue Kit (PFK1000) & 90 Deg Bend *See note 5*

Extra Wide Back Cover Kit	1	PWSK001
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Coaxial Flue Pipe Kit	<i>See note 2</i>	PFK4000
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Coaxial 45° & 90° Bend Kit	<i>See note 3</i>	PFK5100
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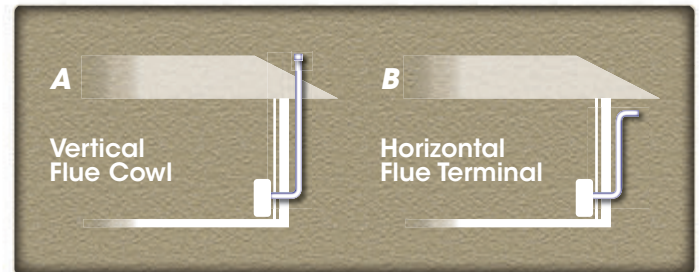


External wall

Direct External Wall Flue System



KITS REQUIRED	QUANTITY	PART NUMBER
Standard Direct Flue Kit	1	PFK1000
Condensate Trap Kit	1	PFK5000
Coaxial Flue Pipe Kit	See note 2	PFK4000
Coaxial 45° & 90° Bend Kit	See note 3	PFK5100
Wall / Ceiling Plate Kit	1	PFK5500
Vertical Flue Cowl Kit	1 (A only)	PFK5200

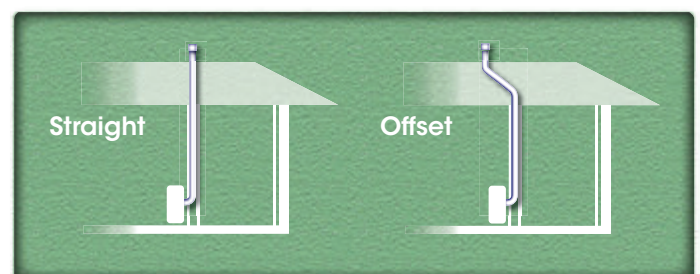


Vertical internal wall

Vertical In-Wall Flue System



KITS REQUIRED	QUANTITY	PART NUMBER
Vertical Internal Wall Flue Kit:	1	PFK2000
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 See note 4		
Coaxial Flue Pipe Kit	See note 2	PFK4000
Coaxial 45° & 90° Bend Kit	See note 3	PFK5100



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 PFK4000 - Coaxial flue pipe is 900 mm long – Order as many as required for installation.
- 3 PFK5100 - 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.

Specifications

MODEL		PRS-150	PRS-250	PRS-250
Application		Domestic	Domestic	Commercial
Gas Input (MJ/h)	High NG/LPG	15	25	25
Gas Input (MJ/h)	Low NG/LPG	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 ²)*	Very Cold	30	52	52
	Cold	35	61	61
	Cool	48	82	82
	Mild	54	94	94
Electrical Power Cord Length (m)		1.5	1.5	1.5
Electrical Consumption (Watts)	High	44	58	58
	Low	25	27	27
	Standby	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

MODEL		PRS-150	PRS-250	PRS-250
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)		610x760x257	610x760x257	610x760x257
Packaged Weight (kg)		31	31	31

* Refer to Heating Capacity Selection Table.

Model codes

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

Warranty

Components	Warranty Period	Coverage
DOMESTIC APPLICATIONS		
Heat Exchanger	Years 1 to 10	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
COMMERCIAL APPLICATIONS		
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



Conditions apply. For full terms & conditions, see warranty details set out in Product Owner's Guide, at www.paloma.com.au or you can contact us on **131 031** or by email at warrantyenquiry@rheem.com.au (not for service bookings).

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