

RHEEM 27L INDOOR GAS CONTINUOUS FLOW WATER HEATER



Rheem 27 Indoor boasts an economical 2 litre per minute start up rate. While some continuous flow water heaters require a minimum of up to 3 litres, the Rheem 27L reduces water wastage and complements the installation of water efficient tapware. Rheem 27 Indoor is a room-sealed water heater which both draws its air supply from, and is flued to, outside of the building for maximum safety, security and convenience.

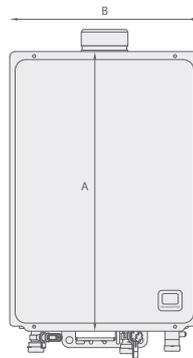
Rheem New Zealand's certified flue system is composed of a stainless steel inner and an aluminised steel outer flue for long life and safety in operation. Rheem 27 Indoor MUST only be installed using this certified Rheem flue system.

Rheem 27 Indoor can be linked via the Rheem EZ Link® system to deliver up to 54L/Minute** if required, and is compatible with Rheem Remote Temperature Controllers (controllers not required when using commercial models).

Features

- 6 Star energy rating
- 27 Litre/Minute continuous hot water delivery – ideal for families and large homes**
- Reduced water wastage – reduced flow during start-up
- Remote Temperature Controller options for added convenience and safety
- Ability to deliver up to 54L/Minute by linking two units with the Rheem EZ Link® system**
- Flamesafe® overheat protection system
- Digital display for easy fault diagnosis and service
- Full technical support through the Rheem National Service Network
- Available to suit Natural Gas or ULPG
- Installed indoors in a central location
- 10 Year warranty*

MODELS	INDOOR	MAX. TEMP. (°C)
864627NFZ (Natural Gas)	✓	75
864627LFZ (ULPG)	✓	75
862627NFZ (Natural Gas)#	✓	82
862627LFZ (ULPG)#	✓	82
GAS ENERGY RATING		
	6 Star	
FLOW RATE (L/MIN @ 25°C RISE)		
	27L/min	
MIN. OPERATING FLOW RATE		
	2.0L/min	
GAS CONSUMPTION (TYPICAL)		
	205MJ/hr	
DIMENSIONS (mm)		
HEIGHT A	651	
WIDTH B	351	
DEPTH C	250	
APPROX. WEIGHT (kg)	24	
MAX. WATER SUPPLY PRESSURE	1000kPa	
MIN. WATER SUPPLY PRESSURE	140kPa	
COLD WATER CONNECTION	R ¾/20	
HOT WATER CONNECTION	R ¾/20	
GAS CONNECTION	R ¾/20	
ACCESSORIES		
EZ-LINK® KIT	299291	
EZSET CONTROLLER	052310	
TEMPERATURE CONTROLLERS		
KITCHEN	A299850	
BATHROOM 1	A299851	
BATHROOM 2	A299852	
DELUXE TEMP. CONTROLLERS		
KITCHEN	A299861	
BATHROOM 1	A299862	
BATHROOM 2	A299863	



* Continuous Flow Warranty Conditions: 10 Years Parts on the Heat Exchanger, 3 Years Parts & Labour warranty on all other components, for domestic (non-commercial) installations.

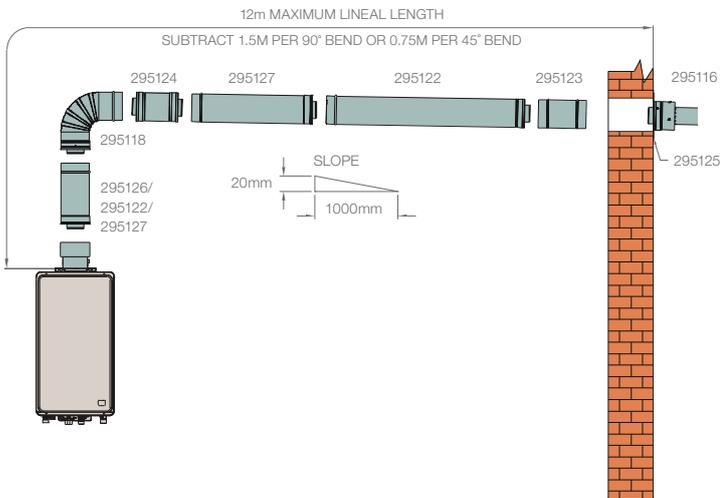
** At 25°C temperature rise

Commercial models

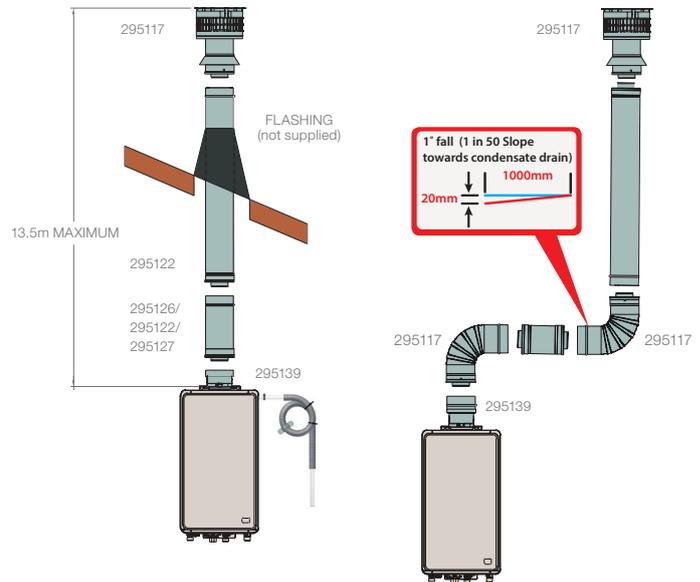


Continuous Flow Flue Systems

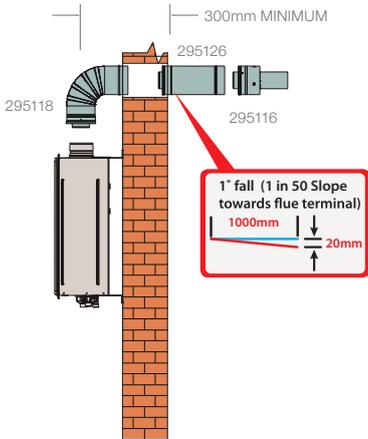
HORIZONTAL FLUE KIT SIDE EXIT (318278)



VERTICAL TERMINAL



HORIZONTAL FLUE KIT REAR EXIT (318279)



Rheem 27 Indoor must only be installed using certified Rheem coaxial flue components. Do not use any other type of flue system. Carefully follow the installation instructions and check with local authorities that the installation complies with all regulations applicable in your area.

*Drawings indicate possible installation. Some parts are optional extras.

How to Size

Use the following as a guide to select which flue components and how many of each are required for each installation.

- The maximum allowable flue length is 13.5 lineal metres with no bends - each additional 90° bend reduces the maximum allowable flue length by 1.5 metres. Refer to Maximum Allowable Flue Lengths Table.
- Determine the lineal distance and number of 45° & 90° bends.
- Use the installed dimensions of each component (as shown in the illustrations) in determining the pieces required.
- The flue must vent to outside the building through either a Vertical or Horizontal termination. All flue terminations must comply with the standard AS/NZS5601.
- For a Vertical terminal the bottom edge of the terminal must be at least 500mm away from the nearest structure in accordance with AS/NZS5601. A Horizontal terminal must be at least 500mm away from any openable window/door.
- Flashing is required where a Vertical flue penetrates the roof line (not supplied – a suitable flashing for 127 mm flue must be purchased separately).
- Where required, a Condensate Trap (295139) must be connected and filled with water to prevent spillage of combustion products. Its hose must drain to the sewer waste or to outside.
- For a Horizontally terminated flue, the flue must be installed to have a downward slope (of 20mm/mtr) away from the heater. Where more than 2 horizontal lengths are required, this necessitates the use of male/male (295124) and female/female (295123) adapter pieces in the flue system.

MAXIMUM ALLOWABLE FLUE LENGTHS		
MAX. FLUE L (m)	90° BENDS	45° BENDS
Example	Subtract 1500mm for each	Subtract 750mm for each
13.5	0	0
12	1	0
10.5	2	0
9	3	0
8.25	3	1
7.5	3	2

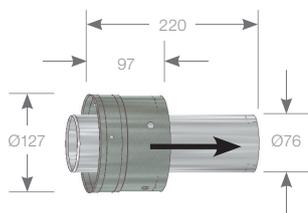
NB: The maximum allowable flue length is 13.5 lineal metres with no bends. Each additional bend reduces the maximum allowable flue length. Refer to Maximum Allowable Flue Lengths.

Continuous Flow Flue Kits

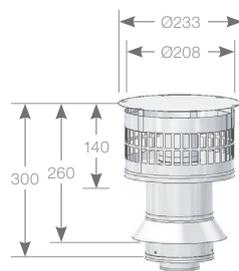
Use the following table as a guide for selecting a Rheem 27 Indoor Continuous Flow flue kit. Please note these are base kits only. Further components may be necessary for some installations.

PART NO.	DESCRIPTION	KIT INCLUDES	MAX LENGTH
318280	Vertical Flue Kit	1 x Vertical Terminal (295117)	1200mm
		1 x Straight Length 900mm (295122)	
		1 x Trim Ring (295125)	
		1 x Condensate Trap (295139)	
318278	Horizontal Flue Kit Side Exit	1 x Horizontal Terminal (295116)	1320mm
		2 x Trim Ring (295125)	
		1 x Straight Length 900mm (295122)	
		1 x 90° Bend (295118)	
318279	Horizontal Flue Kit Rear Exit	1 x Horizontal Terminal (295116)	720mm
		2 x Trim Ring (295125)	
		1 x Straight Length 300mm (295126)	
		1 x 90° Bend (295118)	

Continuous Flow Flue Components



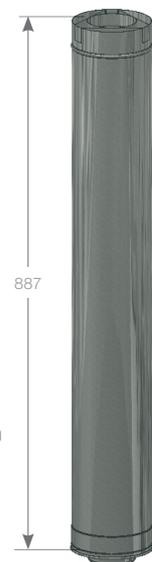
295116 - Horizontal Terminal



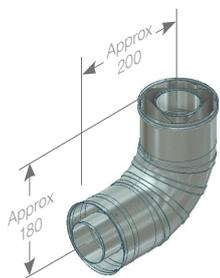
295117 - Vertical Terminal



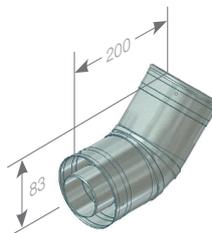
295127 - Adjustable Straight 560 - 890mm



295122 - Straight Length 900mm



295118 - 90° Bend



295119 - 45° Bend

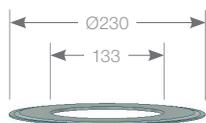


295129 - Bracket



295139
Condensate Trap

Continuous Flow Flue Components (cont'd)



295125
Trim Ring



295124
MM Adapter



295123
FF Adapter



295126 Straight
Length 300mm

Use the following table as a guide to selecting Rheem 27 Indoor Continuous Flow flue components:

PART NO.	DESCRIPTION	WHERE USED
295116	Horizontal Terminal	Required where flue terminates horizontally
295117	Vertical Terminal	Required where flue terminates vertically
295118	90° Bend	Maximum of 3 per installation
295119	45° Bend	Maximum of 6 per installation (with no 90° bends)
295120	Condensate Drain	Can be located in vertical or horizontal section. Required for: horizontally terminating flue systems with vertical flue sections
295122	Straight Length 900mm	Long straight sections
295123	Female Female Adapter	Required to reverse flue pipe direction to allow condensate to drain away correctly from water heater in long horizontal sections of horizontally terminating flues
295124	Male Male Adapter	Required to reverse flue pipe direction to allow condensate to drain away correctly from water heater in long horizontal sections of horizontally terminating flues
295125	Trim Ring (optional)	Conceal internal and/or external hole in wall for horizontally terminating flues or ceiling ring on vertical flues
295126	Straight Length 300mm	Short straight sections
295127	Adjustable Length 560 – 890mm	Allows to trim flue to exact length required
295129	Bracket	Support flue at intervals not exceeding 2m and after any bend
295139	Condensate Trap	Required with every condensate drain. Can be connected to a common waste

Rheem New Zealand Limited

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For further information visit www.rheem.co.nz

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