

COMMERCIAL CONTINUOUS FLOW FLUE SYSTEM INDOOR INSTALLATION TIPS



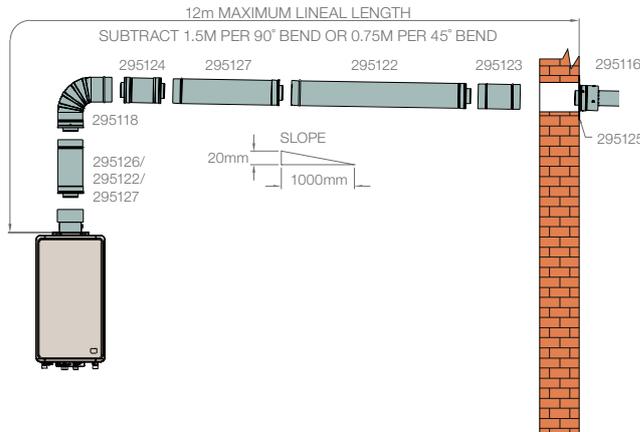
INSTALL A RHEEM®

The Rheem 27 CFWH is available in models suitable for indoor installation.

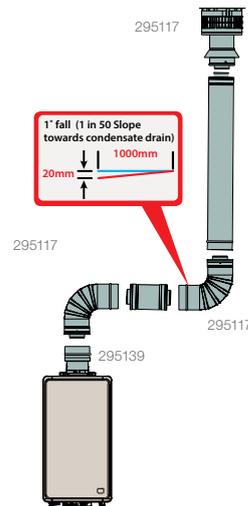
Here's a guide to selecting the flue components you need.

- The overall dimension of each flue piece is shown in the drawings.
- Allow approximately 35mm for insertion of each flue piece.
- Determine the lineal distance and number of 45° and/or 90° bends between the top of the water heater and flue terminal. Note, the bottom edge of a vertical flue terminal must be 500mm away from the nearest structure in accordance with AS/NZS 5601.1.
- Flashing is required to be installed where a vertical flue section penetrates the roof line (not supplied).
- Where required, a condensate trap must be installed and filled with water to prevent spillage of products of combustion and the hose drained to the sewer or outside.
- Separate ventilation for combustion is not required as the air for combustion is supplied in the flue outer.
- The flue system is certified to be installed with zero clearances between the water heaters and combustible materials.
- Flue termination must comply with the requirements of AS/NZS 5601.1.
- Flue penetrations through walls and ceilings must be sealed in accordance with local fire regulations.
- The maximum flue length with no bends is 13.5m. Reduce the maximum length by 1.5m for every 90° bend and by 0.75m for every 45° bend.
- The flue system is suitable for vertical and horizontal termination when used with the appropriate terminal.

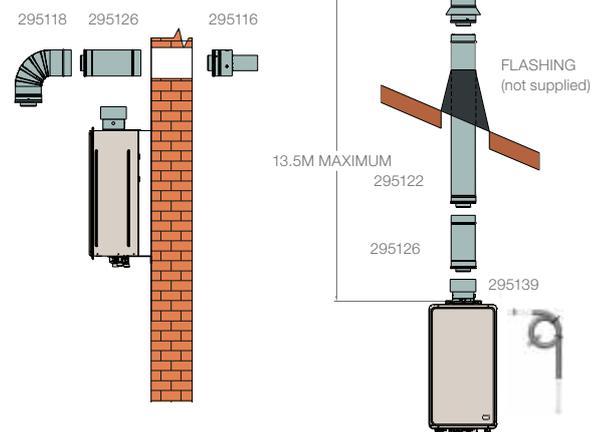
Horizontal terminal adjacent wall



Vertical Terminal



Direct vent horizontal wall



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.

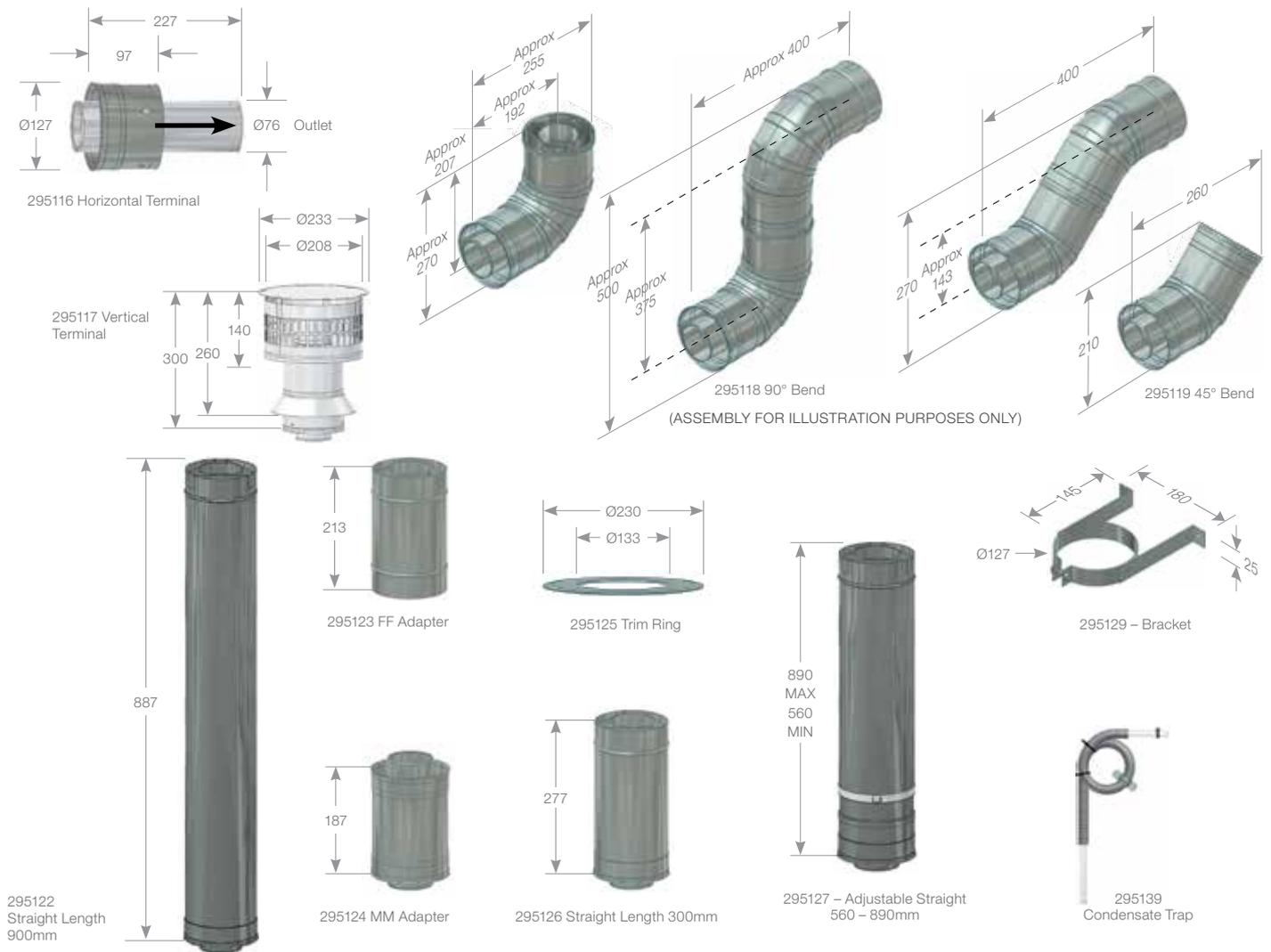
PART NO.	DESCRIPTION	KIT INCLUDES	KIT LENGTH
318280	Vertical Flue Kit	1 x Vertical Terminal (295117)	1200mm
		1 x Straight Length 900mm (295122)	
		1 x Trim Ring (295125)	
		1 x Condensate Trap (295139)	
318278	Horizontal Flue Kit Side Exit	1 x Horizontal Terminal (295116)	1320mm
		2 x Trim Ring (295125)	
		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)	



Rheem INTERNAL CFWH must only be installed using certified Rheem coaxial flue components.

Do not use any other type of flue system. Carefully follow the installation instructions.

FLUE COMPONENTS



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

P/NO	DESCRIPTION	WHERE USED
295116	Horizontal Terminal	Required where flue terminates horizontally or vertically
295117	Vertical Terminal	Required where flue terminates vertically
295118	90° Bend	Maximum of 5 per installation
295119	45° Bend	Maximum of 10 per installation (with no 90° bends)
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
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

CO-AXIAL FLUE SPECIFICATION	MATERIAL/DIAMETER
Inner flue	316 or 444SS/75
Outer flue	Aluminised Steel/125