

RHEEM COMMERCIAL CONTINUOUS FLOW FLUE SYSTEM

INDOOR INSTALLATION

The Rheem 27 CFWH is available in models suitable for indoor installation. The flue system is room sealed concentric design manufactured from high grade stainless steel inner and aluminised steel outer.

The certified flue length is 9m with a maximum of 3 x 90° bends. The maximum flue length with no bends can be 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 or horizontal termination when used with the appropriate terminal.

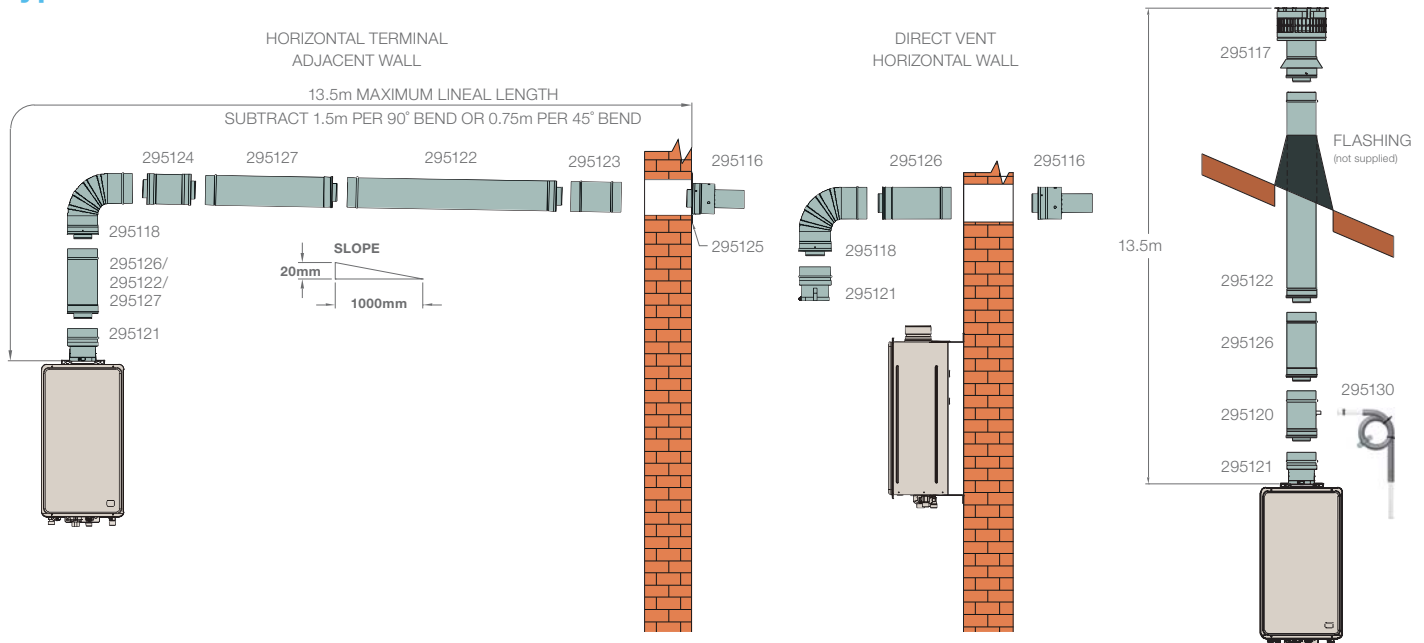
Separate ventilation for combustion is not required as the air for combustion is supplied in the flue outer. The flue system can be installed with zero clearances from combustible materials. Flue termination must comply with the requirements of AS/NZS 5601.1.



WARNING:

Rheem indoor continuous flow water heaters must only be installed using certified Rheem coaxial flue components. **Do not use any other type of flue parts. Carefully follow the Installation Instructions.** This pictorial guide does not replace the Owner's Guide and Installation Instructions supplied with the water heater. The installation instructions should be read in full and referred to for details. Rheem will not accept any liability for failure to read or install the water heater in accordance with the installation instructions.

Typical installations



How to Size

Use the following as a guide to selecting the flue components required. The overall dimension of each flue piece is shown in the drawings. Allow approx 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 a condensate drain section is installed, the hose must be connected and drained to the sewer waste or outside. A condensate trap must be installed and filled with water to prevent spillage of products of combustion.

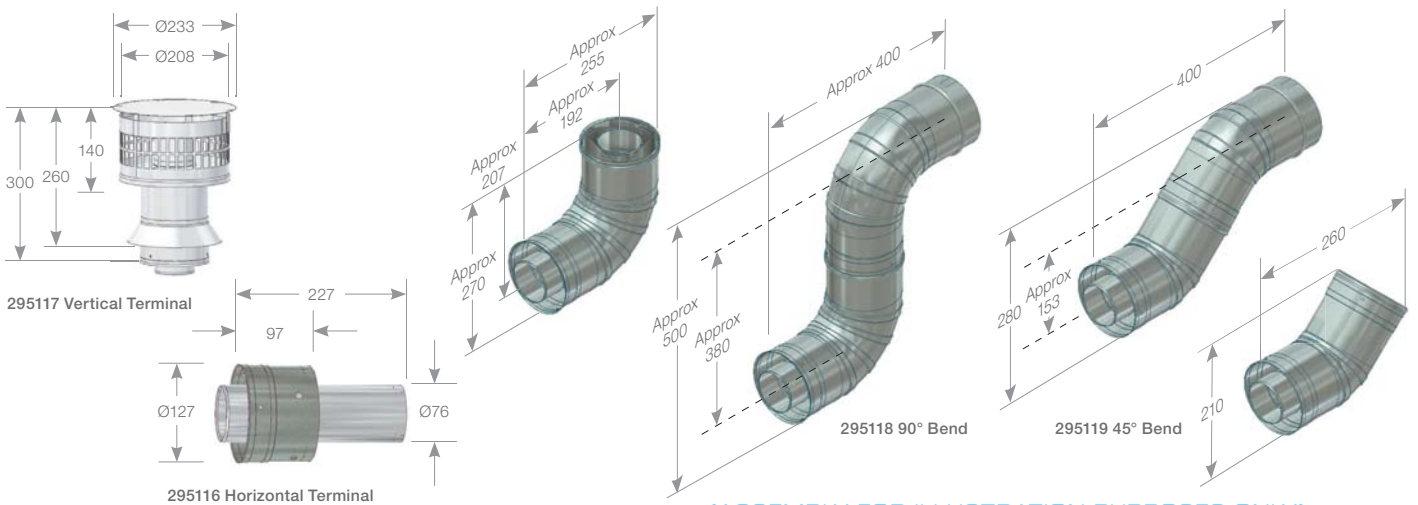
Flue penetrations through walls and ceilings must be sealed in accordance with local fire regulations.

INDOOR INSTALLATION

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
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: – Vertically terminating flue systems – Horizontally terminating flue systems with vertical flue sections
295121	Water Heater / Flue Adapter	Required for each water heater to connect to flue system
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
295130	Condensate Trap	Required with every condensate drain. Can be connected to a common waste

Rheem continuous flow flue components



(ASSEMBLY FOR ILLUSTRATION PURPOSES ONLY)



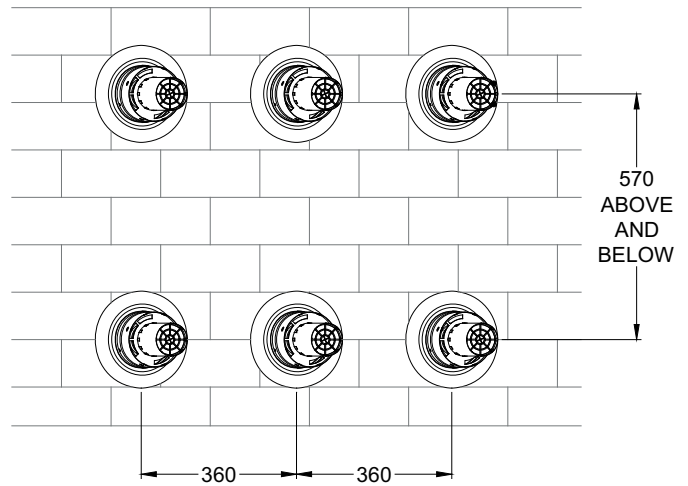
Multiple water heater flue installation

Where multiple water heaters are installed, each water heater must be individually flued to the outside. A common flue system **MUST NOT** be used.

For a multiple unit installation, the water heater is certified for installation with zero clearance between adjacent water heaters. Observe flue terminal clearances from other objects in accordance with AS/NZS 5601.1.

Horizontal Flue Terminations

1. The minimum horizontal centre to centre distance between flue terminals is to be no less than 360mm.
2. The minimum vertical centre to centre distance between flue terminals is to be no less than 570mm.



Vertical Flue Terminations

3. The minimum side by side centre to centre distance between flue terminals is to be no less than 360 mm.
4. The minimum back to back centre to centre distance between flue terminals is to be no less than 570 mm.

