



Rinnai INFINITY® Graphite® range
Specification guide pages

Rinnai

Rinnai INFINITY Graphite range specification



Description

Designed and made in Japan, the Rinnai INFINITY Graphite units are external continuous flow gas hot water heaters with inbuilt frost protection and status monitor. They have electronic ignition and require electricity to operate. They are factory set to delivery water at 50 °C.

Scope of use

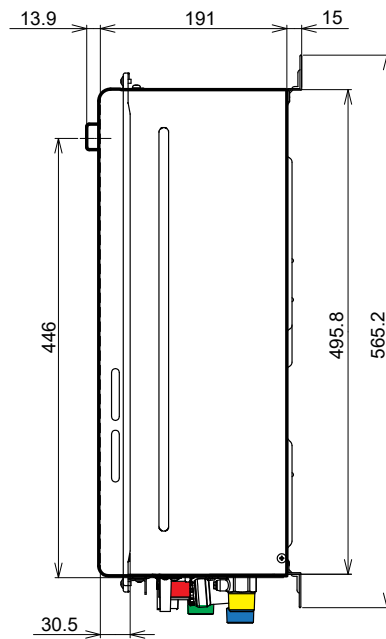
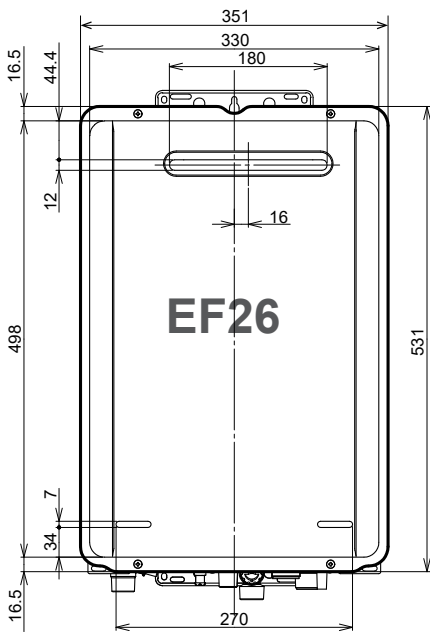
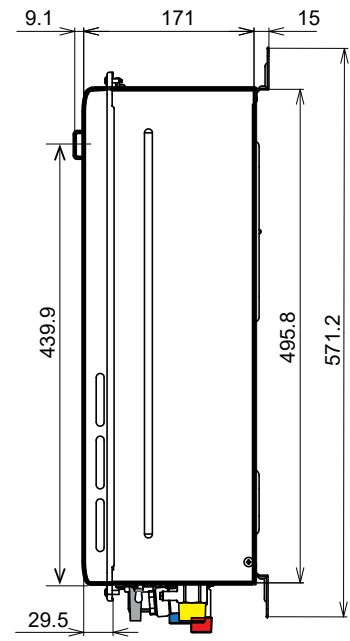
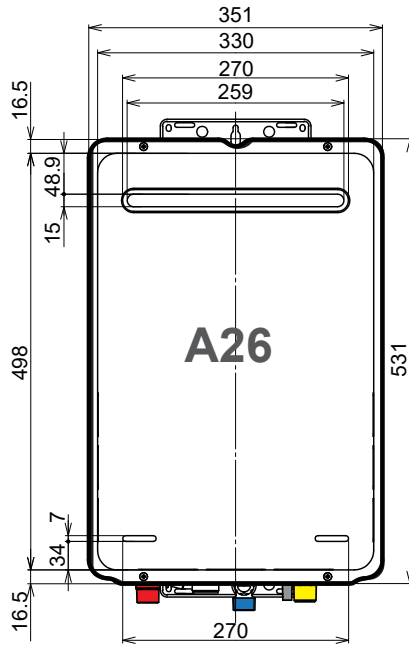
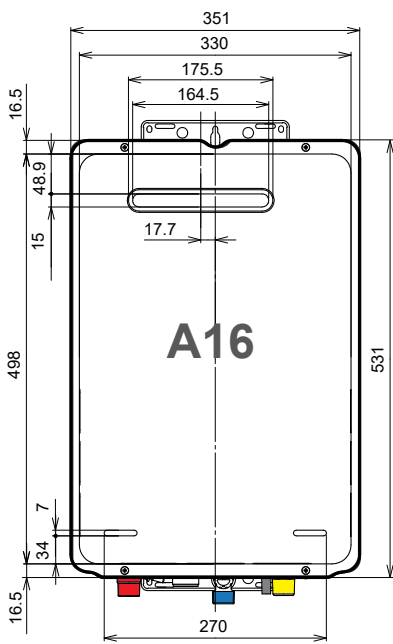
Suitable for RESIDENTIAL external applications only. To be externally mounted on an outside wall and located as close as possible to the most frequently used hot water outlets to reduce the delay for hot water delivery.

They are not suitable as a spa or swimming pool heater, or for hydronic applications.

Hard or acidic water will need to be treated to use this product.

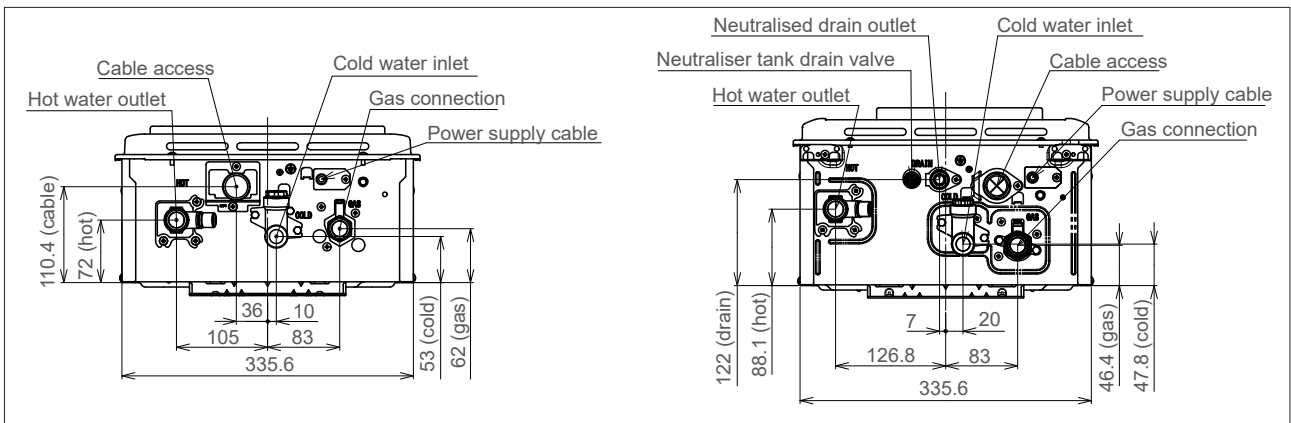
	A16 ext	A26 ext	EF26 ext
REU number	REU-A1620WG-ZK(B)	REU-A2626WG-ZK(B)	REU-E2626W-ZK(B)
Code Natural Gas	INFA16GN	INFA26GN	INFEF26GN
Code LPG	INFA16GL	INFA26GL	INFEF26GL
Colour	Graphite	Graphite	Graphite
Input	16.3-124 MJ/h	16.3-199 MJ/h	16.3-175 MJ/h
Output	27.8 kW	44.5 kW	44.5 kW
Thermal efficiency	80%	80%	92%
Capacity @ 25° rise	16 L/min	26 L/min	26 L/min
Exhaust system	Forced flue	Forced flue	Forced flue
Ignition system	Direct electronic ignition	Direct electronic ignition	Direct electronic ignition
Line pressures	NG - 1.13kPa, LPG - 2.75 kPa		
Line pressure maximum	3.5 kPa (maximum standing pressure under abnormal intermittent conditions is 5.0 kPa). In the case of commercial metering, (i.e. 35-37 kPa coming in), there may be a requirement to regulate the incoming pressure down.		
Ingress protection rating	IPX5	IPX5	IPX5
Power consumption	Normal 47 W, automatic frost protection 68 W	Normal 66 W, automatic frost protection 68 W	Normal 63 W, automatic frost protection 92 W
Noise level (1 m away)	50 dB(A), some people are susceptible to low level noise. This needs to be considered if locating near a bedroom.		
Safety devices	Flame failure, boil-dry protection, overheat protection, fusible link, pressure relief valve, and combustion fan RPM check.		
Water supply	Nominal operating pressure: 200-1000 kPa. Minimum operating water flow will depend on setpoint and inlet temp.		
	Please note: If the water inlet pressure drops below the minimum value, operation of the INFINITY is not guaranteed.		
Weight	13 kg	15 kg	18 kg

Dimensions



A-Series

EF26



Rinnai INFINITY Graphite accessories

CONTROLLERS	
The maximum number of controllers that can be fitted is four.	
Part number	Description
MC601A	Compact controller
BC100V1Z	Bathroom Deluxe controller
MC100V1Z	Kitchen Deluxe controller
PIPE COVER	
R1385G	Rinnai INF pipe cover A16 / A26 graphite
R1416G	Rinnai INF pipe cover EF26 graphite
RECESS BOX	
R1405G	Rinnai INF recess box A16 / A26 graphite
R1407G	Rinnai INF recess box EF26 graphite
SECURITY BRACKET	
Please note: The security bracket is powder coated white, it is not graphite. Compatible for all three models.	
ACC1395	Rinnai INFINITY security bracket
FLUE DIVERTERS (not graphite in colour)	
FDU16	Rinnai INF A16 upwards flue diverter
FDU24	Rinnai INF A26 upwards flue diverter
FDS16A	Rinnai INF A16 sideways flue diverter
FDS24	Rinnai INF A26 sideways flue diverter
FDS26E	Rinnai INF EF26 sideways flue diverter
There is no upwards flue diverter available for the EF26	

Compact Controller
Code: MC601A



Kitchen Deluxe Controller
Code: BC100VZ



Bathroom Deluxe Controller
Code: MC100VZ



Pipe cover
Code: R1385G



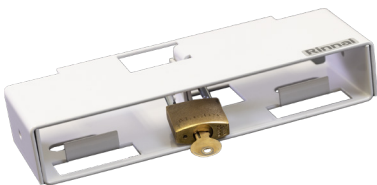
Pipe cover
Code: R1416G



Recess box
Code: R1405G / R1407G



Security bracket
Code: ACC1395



Upwards flue diverter
Code: FDU16 / FDU24



Sideways flue diverter
Code: FDS16A / FDS24



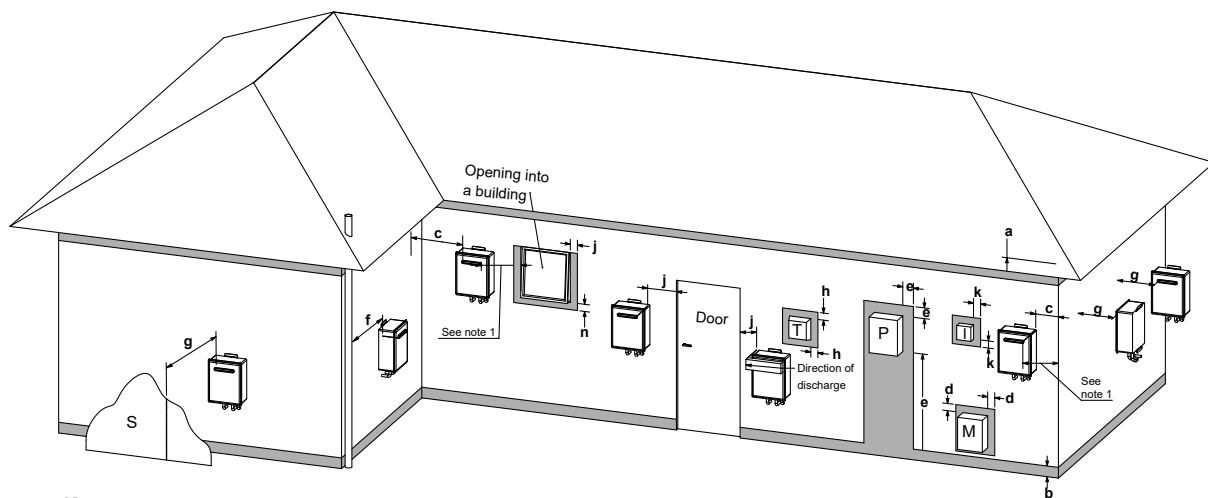
Sideways flue diverter
Code: FDS26E



Positioning: General flue terminal clearances

The following has been adapted for Rinnai INFINITY water heaters from AS/NZS 5601 6.9.3

Location of flue terminals around the perimeter of a building of structure. Always reference the latest version of the standard for the most up-to-date information.



Key	I = Mechanical air inlet	S = Structure	
	M = Gas meter	T = Flue terminal	
	P = Electricity meter or fuse box	Z = Fan-assisted appliance only	■ Shading indicates prohibited area for flue terminals

Ref.	Item	Minimum clearances - fan assisted (mm)
a	Below eaves, balconies and other projections	300
b	From the ground, above a balcony or other surface ¹ Please note: Rinnai recommend 1500 mm to give enough clearance for the pipe work, and to safely expel flue gases	300
c	From a return wall or external corner ¹	300
d	From a gas meter (M) ² (see Clause 5.11.5.9 for vent terminal location of regulator) (see Table 6.9.6 for New Zealand requirements)	1000
e	From an electricity meter or fuse box (P) ^{2,3}	500
f	From a drain pipe or soil pipe	75
g	Horizontally from any building ¹ structure or obstruction facing a <i>flue terminal</i>	500
h	From any other <i>flue terminal</i> , <i>flue cowl</i> , or combustion air intake ¹	300
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:	
	<i>Appliances up to 150 MJ/h¹ input</i>	300
	<i>Appliances over 150 MJ/h input up to 200 MJ/h¹</i>	300
	<i>All fan-assisted appliances, in the direction of discharge</i>	1500
k	From a mechanical air inlet, including a spa blower	1000
n	Vertically below an openable window, non-mechanical air inlet, sub-floor ventilation, or any other opening into a building with the exception of weep holes:	
	<i>For appliances over 150 MJ/h input</i>	1500

¹ Unless appliance is certified for closer installations.
² Minimum clearances *d* and *e* also apply to any combustion air intake openings of *appliances*.
³ Prohibited area below electricity meter or fuse box extends to ground level.

NOTE 1: Where dimensions c, j or k cannot be achieved, an equivalent horizontal distance, measured diagonally from the nearest discharge point of the terminal to the opening, may be deemed by the *Technical Regulator* to comply.

NOTE 2: See Clause 6.9.4 for restrictions on a *flue terminal* under a covered area.

NOTE 3: A flue terminal is considered to be a source of ignition. AS/NZS 1596 specifies the minimum clearances required from a *flue terminal* to an *LP Gas Cylinder* (see Figure 1.5(A), Appendix I).

NOTE 4: For *minimum clearances* not addressed above, acceptance should be obtained from the *Technical Regulator*.

NOTE 5: Contact the appliance manufacturer if in doubt that the minimum clearances will provide adequate thermal protection of surfaces adjacent to the flue terminal. Additional measures may be required.

Rinnai.co.nz

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