

## INFINITY EF26

### Product technical statement

A product technical statement is a way to show how a product or system is fit for purpose for use in New Zealand and to demonstrate compliance with the New Zealand Building Code (Building Code Amendment Act 2013).

#### Product description

Designed and made in Japan, the Rinnai INFINITY EF26 is a gas condensing continuous flow water heater with inbuilt frost protection. It has electronic ignition and requires electricity to operate.

They are factory set to delivery water at 50 °C.

#### Scope of use

Suitable for mains and medium pressure residential applications only. The INFINITY EF26 is designed to be externally mounted on an outside wall and located as close as practicable 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, for hydronic applications, or for commercial applications. They are also not suitable as a gas boost for solar installations as the temperature cannot be set high enough.

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

Available for connection to natural gas or LPG, this must be specified at the time of purchase.

Flue terminations must comply with the flue terminal locations shown in AS/NZS 5601.1.

#### Design guidelines

Specification and installation must be in accordance with Rinnai installation requirements and with the Building Code.

Rinnai specify that installation must be in compliance with AS/NZS 5601.1, AS/NZS 3000, and AS/NZS 3500.



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#### Compliance with the NZ Building Code

If specified, installed and maintained in accordance with all Rinnai requirements the INFINITY EF26 will comply with the below provisions of the NZ Building Code. AS/NZS 5601.1 is an acceptable solution within the NZBC for gas installations as per NZBC G11/AS1 9.0.1.

CODE CLAUSE	EVIDENCE OF COMPLIANCE
<b>B1 Structure</b>	
B1.3.1 B1.3.2 B1.3.3 (a,b,c,h,m)	Certified to AS/NZS 5263.1.2 / AS/NZS 4552, a series of standards for safety, performance and energy efficiency in gas fired water heaters for hot water supply and/or central heating.
<b>B2 Durability</b>	
B.2.3.1 (c)	Durability testing and in-service history
<b>C2 Prevention of fire occurring</b>	
C2.2 and C2.3	Certification of continuous flow gas water heaters to AS/NZS 5263.1.2 / AS/NZS 4552
<b>E2 External moisture</b>	
E2.3.2	Achieved by following E2/AS1
<b>G4 Ventilation</b>	
G4.3.3 (f,i)	Achieved as long as the building complies with G4/AS1
<b>G9 Electricity</b>	
G9.3.1 (a,b,c,d,f), G9.3.3	G9/AS1 as required by Rinnai installation guidance
<b>G10 Piped services</b>	
G10.3.2, G10.3.3, G10.3.4, G10.3.5, G10.3.6	G10/AS1 (NZS 5422 Natural Gas) and (NZS 5435 LPG)
<b>G11 Gas as an energy source</b>	
G11.3.1, G11.3.2, G11.3.3, G11.3.4	G11/AS1 (AS/NZS 5601.1) as required by Rinnai installation guidance
<b>H1 Energy efficiency provisions</b>	
H1.3.4	Certification of continuous flow gas water heaters to AS/NZS 4552.2* (Minimum energy performance standards for gas water heaters)

\* Some provisions of the AS/NZS 5263.1.2 apply to Australia only (e.g. thermal efficiency), which is why we have noted the equivalent AS/NZS 4552 standard.

#### Additional evidence to support the above statements

Energy Safety Supplier Declaration of Compliance:

- INFINITY EF26: 1923220199

#### Special conditions: Installation requirements

Full appliance information can be found at [www.rinnai.co.nz](http://www.rinnai.co.nz).

Limitation: To be installed in accordance with all Rinnai installation requirements and by a licensed gasfitter/plumber, and electrician. Upon completion of the installation, a final inspection and test to demonstrate that the gas appliance has been installed in accordance with Rinnai's instructions and in accordance with Gas (safety and measurement) Regulations 2013 is required by the installer. The gasfitter is to issue a certificate of compliance.

#### Special conditions - maintenance requirements

For reliable operation Rinnai INFINITY units, in residential applications, should be serviced every two years. Installation, servicing and repair shall be carried out only by authorised personnel.