

## Energysaver power flued gas heaters 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 Energysavers are externally flued gas appliances designed to be installed against a wall. They are intended for installation in living spaces and open plan areas.

### Scope of use

Ideal for living rooms, bedrooms, and open plan areas as space heaters. Versatile power flue system makes for easy installation on almost any living space.

Energysavers must not be built in, for example into bookcase or walls.

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

Must be used in conjunction with the appropriate Rinnai flue system. Flueing is available for vertical and horizontal terminations. 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 the installation must be in compliance with AS/NZS 5601.1 and AS/NZS 3000.

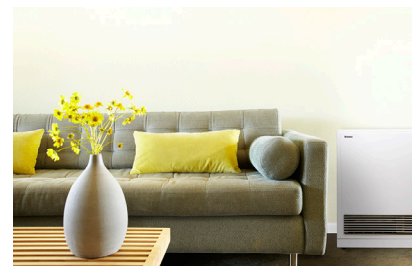
When installing the flue it is recommended that the flashing details comply with those specified in E2/AS1. All Rinnai gas fireplaces must be installed with an approved Rinnai flue system. Choice of flue must be suitable for the specific environmental conditions.



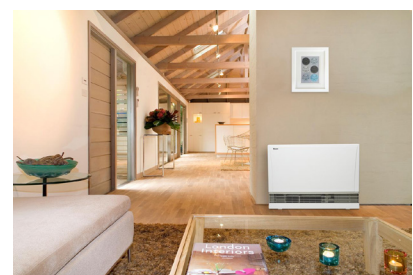
Energysaver 309FT



Energysaver 559FT



Energysaver 561FT



Energysaver 1005FT

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### Compliance with the NZ Building Code

If specified, installed and maintained in accordance with all Rinnai requirements the Energysavers 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)	The Energysavers and flue kits are certified to AS/NZS 5263.1.3. This standard contains the specific requirements to ensure gas appliances within the scope of each standard as safe and compliant when used with gases available in New Zealand.
<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 Energysavers to AS/NZS 5263.1.3
<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

### Additional evidence to support the above statements

Energy Safety Supplier Declaration of Compliance:

- 309FT, 559FT, 561FT: Declaration number - 1408020132
- 1005FT: Declaration number - 1516320137

Energysaver flue test report - May 2016. This report details the Rinnai in-house testing to determine the effect of connecting a Rinnai mushroom flue to a specific cladding penetration seal.

### Special conditions: Installation requirements

Full appliance and flue 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 Energysavers, in residential applications, should be serviced every two years, including inspection of the flue system. Installation, servicing and repair shall be carried out only by authorised personnel.

**Warranty:** Rinnai 2 year Limited Warranty subject to Rinnai's terms and conditions.