

## Arriva and Evolve gas fireplaces 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 NZ, the Arriva 752 and Evolve 952/1253 are power flued (externally flued) inbuilt gas fireplaces with a heat output of 7 kW, 8.1 kW, and 8.4 kW respectively.

The Arriva and Evolve gas fires have a glass front and convection fan, pushing warm air from the appliance. The Arriva is operated with a fully programmable remote control. The Evolve models are operated by either a simple infra-red remote, or by the Rinnai Wi-Fi app. Fires can be customised with different burn media and frame options.

### Scope of use

Intended for indoor installations into living rooms, open plan areas, and large bedrooms as a space heater. Best suited for new build installations into a false chimney. They are not suitable for retrofitting into an existing masonry fireplace.

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 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.



**Arriva 752**



**Evolve 952**



**Evolve 1253**

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### Compliance with the NZ Building Code

If specified, installed and maintained in accordance with all Rinnai requirements the Arriva and Evolve 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 gas fireplace 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 are 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 gas fireplaces 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:

- Arriva: Declaration number 1348120126
- Evolve 952: Declaration number 18424201712
- Evolve 1253 Declaration number DEC-000002352Z3T7

### 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 gas fireplaces should be serviced every two years, including inspection of the flue system. If they are in a particularly dusty environment or subject to excess lint, for example pet hair, or where there are newly laid carpets, then annual servicing would be beneficial. Installation, servicing and repair shall be carried out only by authorised personnel.

**Warranty:** Rinnai 5-year firebox Limited Warranty subject to Rinnai's terms and conditions.