Rinnai

EasySwap Enamel Mains Pressure Indoor Cylinders
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 in New Zealand and manufactured in China, the Rinnai EasySwap enamel mains pressure indoor hot water cylinders are available in a 180 L capacity, with a choice of 2 kW or 3 kW elements.

To meet the New Zealand Building Code requirement[2] to disinfect water for legionella bacteria, the cylinder thermostat has been factory preset to above 60 °C.

[1] Refer to the Rinnai website or the hot water pocket guide for available configurations

[2] Clause G12.3.9, Acceptable Solution G12/AS1 6.14.3

Scope of use

Suitable for indoor retrofit replacement mains and low pressure residential applications. The system should be located and arranged so as to achieve the closest proximity to water draw off points.

They are not suitable as a spa or swimming pool heater, or for solar thermal.

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 3000, and AS/NZS 3500.

Where there is potential of damage occurring from a leaking system, a suitably drained safe tray must be fitted as per AS/NZS 3500.4 5.4 and G12/AS1 6.11.3.

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Compliance with the NZ Building Code
If specified, installed, and maintained in accordance with all Rinnai requirements the Rinnai EasySwap mains pressure indoor cylinders will comply with the below provisions of the NZ Building Code.

CODE CLAUSE	EVIDENCE OF COMPLIANCE
G9 Electricity	
G9.2, G9.3.3	Cylinders approved to AS/NZS 60335.2.27
G12 Water supplies	
G12.3.8 G12.3.9	Cylinders approved to AS/NZS 60335.2.27 Acceptable solution G12/AS1 6.14.3, the cylinder thermostat has been factory preset to above 60 °C
G12 Water supplies - lead content in plumbing products	
NSF/ANSI STANDARD 372	Dictates that a product has been certified as meeting a weighted average lead content of ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, and plumbing fittings, and plumbing fixtures.
H1 Energy efficiency provisions	
H1.3.4	Cylinders meet the requirements of the minimum energy performance standards (MEPS) by cylinder approval to NZS 4606 (Storage water heaters - General requirements), and AS/NZS 4692.1:2005 (Electric water heaters - Energy consumption, performance and general requirements)

Additional evidence to support the above statements
Electrical safety approval
- Certificate of conformity/approval number - EESS-260200-0

Special conditions: Installation requirements
Full appliance information can be found at 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 cylinder has been installed in accordance with Rinnai's instructions is required by the installer. The installer is to issue an electrical safety certificate upon completion.

Special conditions - maintenance requirements
For reliable operation Rinnai cylinders should be maintained and serviced as detailed in the owner and installer guide. Installation, servicing, repair, and removal shall be carried out only by authorised personnel.

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