

## Building Product Information Sheet

Product name:

Expansion tank/vessel

Product line (the product line from which the product is customised):

Zilio Expansion vessels

Product description and its intended use (measurements, materials, usage):

Expansion vessel for use in closed heating systems.

An expansion tank is designed to handle the thermal expansion of water as it heats up in the heating system, preventing excessive water pressure. If water pressure gets too high, it can damage valves in plumbing fixtures, joints in supply pipes, and the water heater itself.

Product identifier (if applicable):

EV2L/EV5L/EV8L/EV12L/EV18L/EV24L/EV50L/EV100L/EV150L/EV200L/EV300L/EV500L

Please of manufacturer:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

Zilio industries

Legal and trading name of the manufacturer(s):

Central Heating New Zealand Ltd

Address for service:

STREET NAME 52 Pilkington Way

SUBURB Wigram

CITY, COUNTRY Christchurch, New Zealand

POSTCODE 8042

Website:

<https://www.centralheating.co.nz/>

Email Address:

info@centralheating.co.nz

Phone No. (if applicable):

03 357 1233

NZBN (if applicable):

9429036621231

Relevant Building Code clauses:

<p>Clause B2 DURABILITY: Performance B2.3.1 (b)</p> <p>Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.</p> <p>Clause G10 PIPED SERVICES: Performance G10.3.1 (a).</p>
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Statement on how the building product is expected to contribute to compliance:

<p>Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years. Expansion vessels are designed to be installed in a location that is moderately easy to access and replace if installed in accordance with the instructions and product requirements.</p> <p>Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Expansion vessel/tanks meet this requirement and not present a health hazard to people.</p> <p>Clause G10 PIPED SERVICES: Performance G10.3.1 (a). Expansion vessel/tanks are supplied by a non-potable piping system, which contributes to meeting this requirement when used in heating systems.</p>
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- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured.*
- *physical properties of the building product*
- *how the building product is intended to be used.*

**Limitations on the use of the building product:**

Please refer to the Zilio expansion vessel technical drawings and product [specification](#) supporting information provided on the Central Heating NZ website.

Expansion vessels are for use in non-potable water heating and cooling systems.

**Design requirements that would support the use of the building product:**

Please refer to the Zilio expansion vessel technical drawings and product [specification supporting](#) information provided on the Central Heating NZ website.

Expansion vessel set out and related heating system is subject to site specific design by the heating system proprietor.

Designer must consider the requirement of building code clause H1 for Expansion vessel pipework installed outside the thermal envelope.

Expansion vessel must be correctly sized to maintain acceptable [pressure](#).

**Installation requirements:**

Please refer to the Zilio expansion vessel technical drawings and product specification supporting information provided on the Central Heating NZ website.

Expansion vessels must be installed on stable supporting structure, for fixing using the seismic restraint [mounting](#) points (where size requires structural support).

All positions and pipework outlet heights above finished floor level feeding an Expansion vessel/tank is to be confirmed on site before installation. Co-ordination between trades is essential. Ensure the main contractor has been engaged when confirming expansion vessel locations to ensure they do not interfere with other fixtures or fittings.

Expansion vessel installation manuals must be reviewed prior to installation to ensure bracket details and pipe positions are confirmed.

Installation of expansion vessel system components must be carried out by a trained and qualified installer, familiar with the system installation requirements.

A detailed as-built plan and site photos shall be provided upon the conclusion of installation showing location of all embedded/concealed pipework supplying the Expansion vessels.

Maintenance requirements:

Access for maintenance and inspection is required. Maintenance should be carried out in consultation with the system installer.

Is the building product/building product line subject to warning or ban under section 26:

Yes  No

If yes, description of the warning or ban under section 26:

Date:

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