

## Building Product Information Sheet

Product name:

Watts Pressure relief valve

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

Pressure relief valves

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

Pressure relief valve for closed or sealed systems using an expansion vessel.

50kW available in ½", 3 Bar.

100kW available in ¾" 3 Bar.

Not for use with potable water.

Product identifier (if applicable):

VPRESRELF, VPRESRELF2

Please of manufacturer:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

Watts 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:

Clause B2 DURABILITY:

Performance B2.3.1 (b)

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a).

Statement on how the building product is expected to contribute to compliance:

Clause B2 DURABILITY:

Performance B2.3.1 (b) 15 years. Pressure relief valves are moderately easy to access and replace if installed in accordance with the instructions and product requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1. Pressure relief valves meet this requirement and do not present a health hazard to people.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a). Pressure relief valves are intended for a non-potable piping system, which contributes to meeting this requirement when used in heating systems.

- *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:**

The hot water heating system must not be connected to the potable water supply system.

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

Please refer to the pressure relief valve technical information and [installation](#) instructions provided on the Central Heating NZ website.

The membrane safety valve is part of the safety apparatus for installations fed with water or water mixture as vector.

The valve discharge pressure is factory-set and cannot be modified without tampering with the seal, placed on the knob, which indicates setting pressure and approval mark.

The heating system design, including the layout of the pipe, must be carried out by a suitably qualified designer.

Design must consider the requirement of building code clause H1 for pipework and heating design.

**Installation requirements:**

Please refer to the pressure relief valve technical information and installation [instructions](#) provided on the Central Heating NZ website.

The system installation must be carried out by a licensed and qualified tradesperson, in accordance with the design supplied by the suitably qualified designer.

A detailed as-built plan and site photos shall be provided upon the conclusion of installation showing location of all associated pipework and the pressure relief valve location on a heating schematic.

The safety valve must be installed in a minimum temperature point, in the highest-level point or near by the exit of the heat generator or the accumulation device, complying with the flow direction shown by the arrow.

The connection pipe to the inlet of the safety valve must be designed to prevent accumulation of remains and dirt, must be no longer than 1 m, without any reduction of the section, it is forbidden to use any interception device.

The outlet connection pipe must be of the same size of the discharge connection of the valve, must be no longer than 2 meters, must have no more than two curves, must prevent condensate accumulation, and avoid freezing.

The end of the drainpipe must be designed so that the discharge is visible and cannot cause damages.

Maintenance requirements:

The safety valve functioning must be inspected every year by qualified personnel: the knob must be turned in order to cause a manual discharge for the valve seat cleaning.

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:

3 0 0 8 2 3