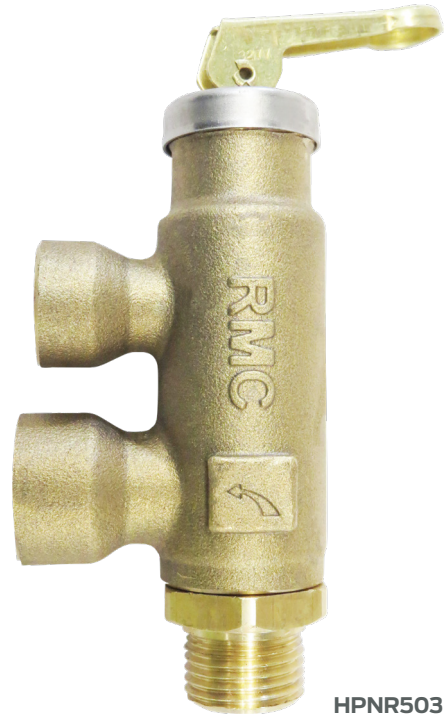


# High Pressure Expansion Non-Return Valve

## Scope of Use / Specification Sheet

RMC's High Pressure Expansion Non-Return (HPNR) Valves are a combination non-return and pressure relief device and are suitable for coil type heat exchange water heaters. The non-return prevents the backflow of hot water into the mains supply. The relief valve prevents an over-pressure condition within the coil.

RMC's HPNR Valve is available in a 15mm configuration.



HPNR503

### Product Code

Model	Size	Product Code
HPNR Unrestricted	15mm	HPNR503

### Materials

Body	DZR Forged Brass
Spring	Stainless Steel
O-Ring	Nitrile
Seal	Silicon
Check Valve	EPDM, POM Stainless Steel

### Features and Benefits

- Economical one-piece construction
- One valve meets the requirements of expansion and non-return valve for heat exchange heaters
- Increased heating efficiency
- Expanded water is directed to the storage tank rather than dumped to waste
- Sealed spring cavity prevents spring from seizing in the event of calcification
- Dezincification resistant
- Meets Australian Standard for potable water supply
- Suitable for horizontal or vertical installation
- Individually tested and calibrated



# High Pressure Expansion Non-Return Valve

## Performance Specifications

Maximum Temperature	99°C
Kilowatt Capacity	10kW
Inlet Thread	DN15Cu 1/2
Coil Connection (O2 in dimensions)	G3/8" Female
Static Tank Connection (O1 in dimensions)	G1/2" Female
Pressure Setting	1400kPa

## Application

RMC's HPNR Valves limit the maximum pressure in a system by relieving excess pressure to the drain line and are classified as a functional control for this type of application. HPNR Valves should only be installed on the cold or inlet supply of a water heater as the valve is primarily intended to cope with the excess pressure generated during a normal heating cycle.

RMC's HPNR Valve are suitable for installation in water heaters where the dual function of inlet pressure control and cold expansion relief is required (e.g. coil type heat exchange mains pressure water heaters).

## Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

## Warranty

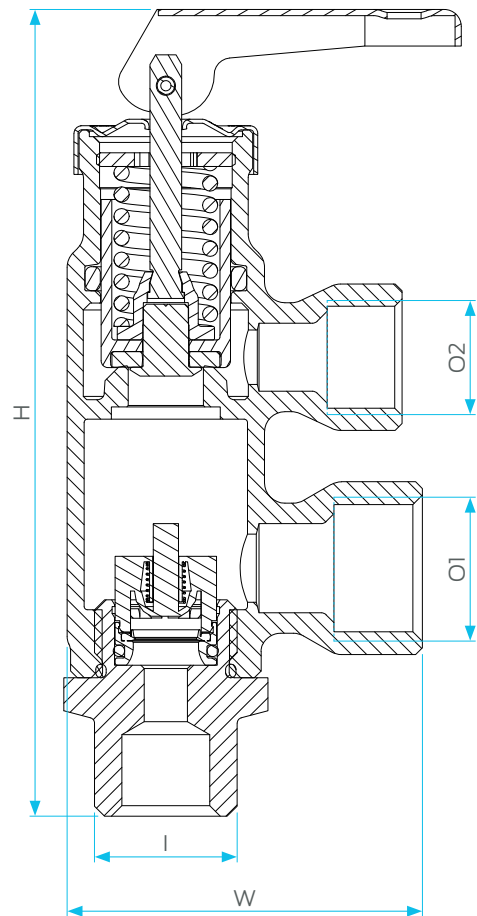
Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.

Visit [www.rmc.com.au/warranty](http://www.rmc.com.au/warranty) to view the warranty statement in full and for further important information.

## Dimensions

Model	H	W	I	O1	O2
HPNR	119	53	DN15	DN15	DN10

Note: All measurements in mm unless otherwise stated.



## Standards and Approvals



AS 1357.1  
LIC WMKA 0938  
SAI GLOBAL