

# Pressure Relief Valve

## APPLICATION

Low and medium pressure hot water systems as well as pressure systems for marine applications

## FEATURES/BENEFITS

- Forged, high quality, corrosion resistant DR brass body
- Silicone Rubber seals able to withstand 99°C
- Two simple parts easily unscrew to clean seats and seals, no body screws
- Unique vacuum break provided means valve retro fits all other similar relief valves at replacement
- Vacuum relief means failsafe against over pressure and implosion

## SPECIFICATIONS

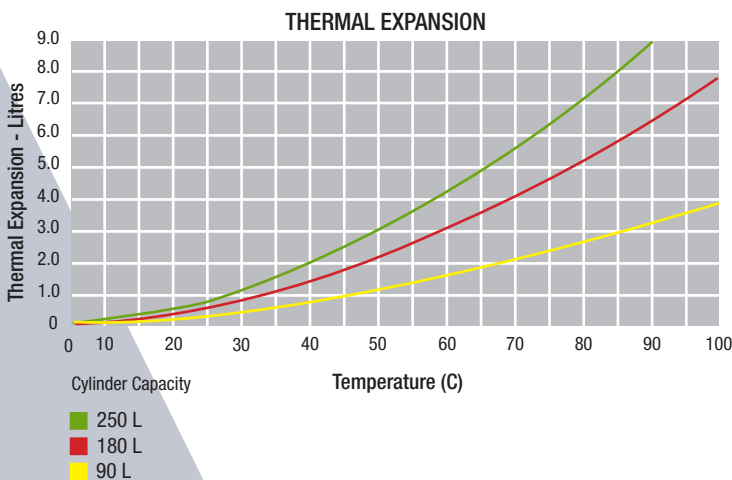
- Inlet: 20mm, 3/4" BSP (male)
- Outlet: 15mm, 1/2" BSP (male) - increases to 20mm with vacuum break
- Length: 80mm (valve)  
115mm (c/w Vacuum Break)
- Standard pressure settings: 37, 75 and 120 kPa
- Special settings up to 415 kPa (60psi)
- Maximum temperature: 99°C
- Kilowatt rating: 12kW

## INSTALLATION

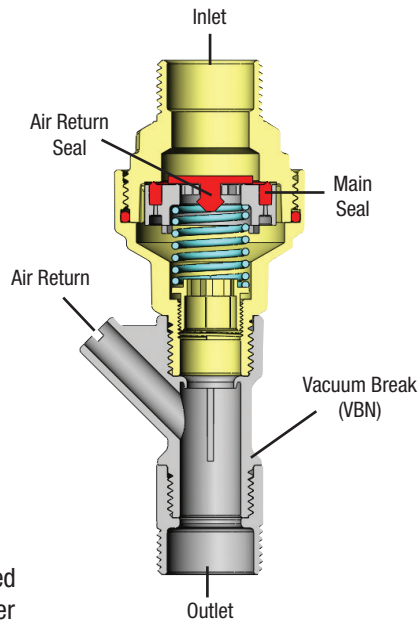
- Refer page 31 for installation guide
- Install approximately 1 metre above Pressure Reducing and Cold Water Expansion Valves
- May be installed vertically or horizontally (provided vacuum break is used)
- Provide 150mm heat trap
- Do NOT apply heat near valve during installation
- Valve body can be unscrewed to clean seats and seals

## THERMAL EXPANSION

Under normal conditions, a 180 litre hot water cylinder when heated from cold to 65°C will expel 3.6 litres (12.6 metres of 20mm copper pipe) of water due to thermal expansion. The amount of expansion will vary depending on the volume of hot water used and cylinder capacity.



**NOTE:** All installations must comply with NZBC Clause G12



## STANDARDS

- Complies with NZ Building Code G12 (2014)
- Complies with NZS 4608:1992
- NZ Patent No. 209613

## INCLUDED

- VBN Vacuum Break.
- 15mm F to 20mm M reducer.

## PRODUCT CODES

- |               |  |
|---------------|--|
| <b>RV3.7</b>  | 37 kPa   |
| <b>RV7.6</b>  | 75 kPa   |
| <b>RV12.2</b> | 120 kPa  |
| <b>RVHP</b>   | Settings up to 415 kPa (60psi) on request for marine cylinders (See page 32) |