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## Installation and Maintenance Instructions



## Anti Legionella Valve



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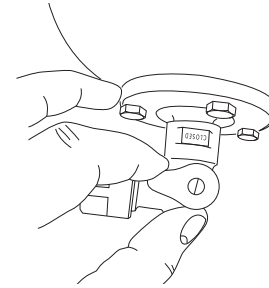
# Contents

Reliance Worldwide Corporation (UK) Ltd.....2

Specification and Dimensions.....3

Installation Guidance.....4

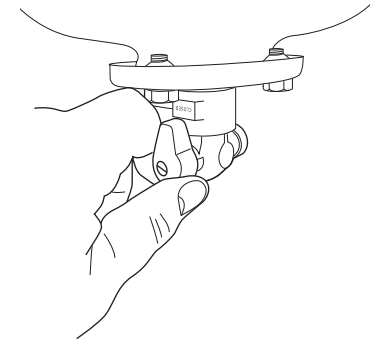
Maintenance.....6



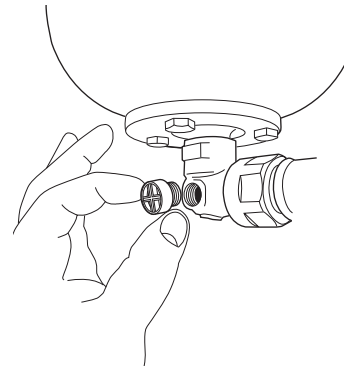
5. Ensure that the isolating valve is in the open position then turn on the water supply and commission the system.

## Maintenance

If for some reason it is necessary to remove the expansion vessel for service or replacement the anti legionella valve helps to make this quick and easy.



1. Isolate the expansion vessel from the system using the integral isolating valve
2. Making sure that you have a suitable collection vessel to hand remove the plastic test plug from the port directly opposite the isolating valve to drain the residual water from the vessel



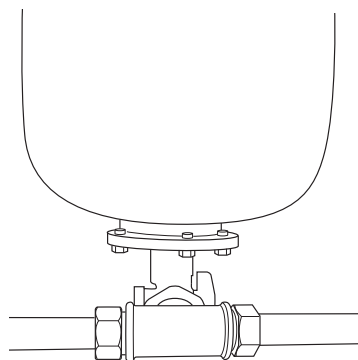
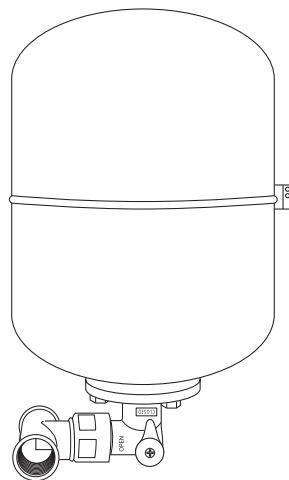
3. After draining replace the test plug, service or replace the vessel and open up the isolating valve to return the vessel to service.

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3. Mount the vessel vertically with the connections at the bottom using suitable fixings and a strap type bracket:

5 litre vessel BRKT240021  
8 litre vessel BRKT240022  
12, 18, 24 litre BRKT240050

Note : Expansion vessels should always be mounted vertically with the connections at the bottom to avoid the possibility of sediment and debris being deposited inside the membrane and providing a possible breeding ground for bacteria such as Legionella.

For more information refer to the WRAS website and follow this link [https://www.wras.co.uk/consumers/resources/interpretations\\_and\\_advice/installation/i20/](https://www.wras.co.uk/consumers/resources/interpretations_and_advice/installation/i20/)



4. Connect the water supply so that water from the supply enters one end of the tee and the water that feeds the system exits from the other side of the tee.

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## Reliance Worldwide Corporation (UK) Ltd

Reliance Worldwide Corporation (UK) Ltd are part of the Australian based group of companies collectively known as Reliance Worldwide Corporation, with the UK brand known as Reliance Water Controls.

Reliance Worldwide Corporation (UK) Ltd is a specialist in the design, distribution and technical support for temperature and flow controls.

With group offices and manufacturing plants throughout the world RWC offers a wealth of knowledge and expertise which is reflected throughout our products. Being part of many specialised trade associations and having our own UKAS accredited laboratory, makes us at the forefront of any new regulations or changes which impact the industry, and allows for continuous product development and innovation, within our specialised product area.

Our core product range is related to thermostatic control, with the manufacturing undertaken at our head office in Brisbane Australia, we have an extensive range of thermostatic mixing valves, shower control valves, and taps all which use the same high quality technology to control the temperature of water, within this range we have different valves to suit various applications and working parameters, including both TMV2 and TMV3 approved controls.

RWC, are market leaders of OEM controls with a complete range of safety valves for use in G3 unvented systems and a wide range of Underfloor heating controls (UFH) to allow for safe distribution of hot water, throughout a property. This range includes; thermostatic control valves for safe hot water temperatures, manifolds to enable even distribution, complete UFH kits to allow ease of installation & commissioning, and a range of modern and stylish programmers to complement these controls.

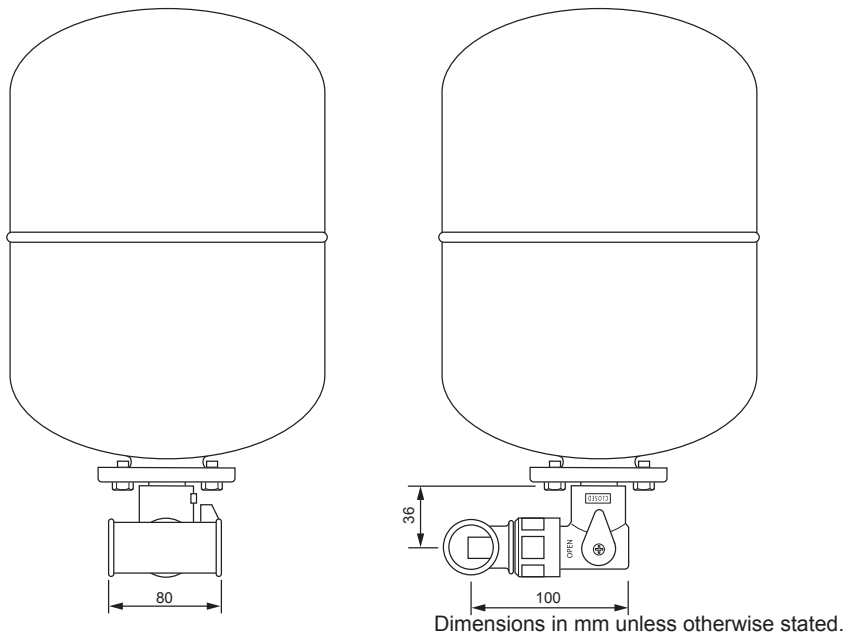
## Description

The Reliance anti legionella valve is designed to be connected to a Reliance (Aquasystems) potable water expansion vessel with a 3/4" connection. It is designed to divert a proportion of the water that is flowing through a system into the vessel to cause turbulence and encourage an exchange of water within it.

## Specification

Nominal size	DN20
Max. inlet temp.	30°C
Medium	Potable Water

## Dimensions (Vessel Supplied Separately)

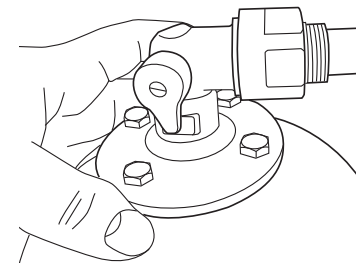
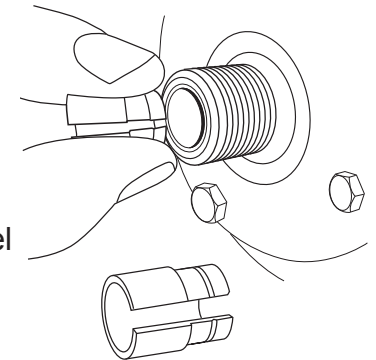


## Installation

Before installing the anti legionella valve ensure that the water system has been flushed and is free from debris and that the system pressures and temperatures are within the working parameters of the valve.

To install the anti legionella valve onto a vessel follow these steps.

1. First insert the paddle retaining tube into the vessel connection as shown. This is the small plastic tube with a cut down the side. To insert it you squeeze the tube together and push it into the vessel connection and then let it spring back into place.



2. Taking care not to damage the paddle or the paddle retaining clip, screw the anti legionella valve onto the expansion vessel and tighten up with a spanner. Note the valve includes a rubber seat so extra washers and PTFE tape are not needed.

2. Connect the 3/4" FBSP tee piece onto the anti legionella valve and tighten with a spanner, the connection is sealed by an oring so extra washers and PTFE tape are not needed. The tee piece remains rotatable through 360° when tightened.

