Valves and Plumbing

Auto Air Vent

Scope of Use/Specification Sheet

AVHTS-15

The Auto Air Vent is an air and vacuum relief valve for use on closed-circuit solar hot water systems.

Product Code

Model	Catalogue Number
Auto Air Vent 15mm	AVHTS-15

Materials

Body	Chrome plated DR brass
Float	Stainless steel
Internal components	Stainless steel
Seals	Viton® high temperature
Cap/stem/cover/locating screw	Chrome plated DR brass
External retaining ring/locknut	Chrome plated brass (non-wetted parts)

Description

During normal operation, accumulated air in the system is relieved through the valve by means of a float mechanism. Gathered air bubbles cause the float to drop, opening the valve and forcing the air out under water pressure until the float rises and once again seals the valve.

The Auto Air Vent will also act as a vacuum breaker in situations where the closed circuit is isolated and drained.

The Auto Air Vent has been designed using high temperature Viton® O-Rings seal in order to withstand high stagnation temperatures encountered in solar hot water systems.

Features and Benefits

- Convenient connection size which removes the need for adapters and additional joins in pipe work
- Stainless steel float
- Capable of withstanding high pressures when commissioning solar hot water systems
- 'Always open' vent cap
- Valve will still vent water with the cap fully screwed down which avoids potential installation issues
- Vent cap designed to minimize the risk of blockage due to foreign matter
- Dezincification resistant
- Chrome plated brass body meets Australian Standard for potable water supply
- High temperature Viton® O-Rings
- Individually tested

Application

The Auto Air Vent is an air and vacuum relief valve designed for use with solar hot water systems. Refer to solar hot water system manufacturers' installation requirements for the correct positioning of the valve in the system. Typically, the valve is installed at the highest point of the solar hot water system, or at a location where air bubbles are likely to accumulate.

Auto
Air Vent

Working Pressures and Temperatures

Maximum temperature	230°C
Maximum working pressure	1400kPa
Connection	R½ BPST

Note

The Auto Air Vent valve must be installed in its vertical orientation. Failure to do so may result in the valve failing to perform as intended.

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.

Standards and Approvals

ATS 5200.012
WMKA21904
IAPMO R&T

Dimensions

Model	Inlet	A	B	C	D	E*	F	G
Auto Air Vent 15mm	R½	98	75	23	17	26	46	65

Note: All measurements in mm unless otherwise stated.
*across flats