

WATERWARE

# Solar Automatic Air Vent

AV250031



## Technical Installation Manual

**Note:** this valve is designed to be turned off and isolated once a system has been filled and commissioned. It is not designed as a continuously operating air vent or pressure relief.

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PO Box 58 776 Botany, Manukau  
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### Warranty

If any material defect arising from the manufacturing process is found in a new tap or valve Waterware Services Ltd. will undertake to repair or replace it (at its option). This undertaking will not apply if:

1. The defect is brought to Waterware's attention later than 5 years from the date of manufacture.
2. Failure by any person to follow installation instructions or installation in an environment outside the recommended limitations or relevant NZ and or Australian Standards and local plumbing codes. No installation should proceed without installation instructions and claims instructions were missing are not accepted as a means of avoiding this condition.
3. Evidence cannot be produced which confirms that the relevant tap or valve was purchased from a known customer of Waterware Services Ltd.
4. Repair work is undertaken without prior arrangement with Waterware Services Ltd.
5. Normal maintenance requirements, refer to specific product maintenance guides.

Waterware Services Ltd. shall in no way be liable for any loss, damage (direct, indirect or consequential), cost or expense suffered or incurred by the purchaser. Obligations accepted by Waterware Products Ltd. are.....

..... in addition to all other rights and remedies had by the Purchaser in law in respect of the valve and does not limit the right the Consumer may have under the Consumers Guarantee Act 1993.

..... subject to the exceptions and conditions previously listed. All expressed or implied conditions, statements or warranties as to the quality or fitness on any purpose of a tap or valve or otherwise are hereby expressly excluded to the fullest extent permitted by law except under conditions and warrants which cannot be legally excluded by law and which are intended in the contract for the supply of the valve by the Trade Practises and any other Act of Law.

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# SOLAR AUTOMATIC AIR VENT

The Caleffi solar series of products are specifically designed to use in primary circuit of solar systems. In these systems the heating fluid of the primary circuit contains glycol as additive and operates at high temperatures. The materials and components used in its manufacture and the performance of these must be suitable for these operating conditions.

## Function

Automatic air vents are used in the closed circuits of solar heating systems to allow air contained in the fluid to be released automatically by means of a valve operated by a float in contact with fluid in the system.

**Note:** this valve is designed to be turned off and isolated once a system has been filled and commissioned. It is not designed as a continuously operating air vent or pressure relief.

## Technical Specification

### Materials

Body - Brass, EN 12165 CW617N, chrome plated

Cover - Brass, EN 12165 CW617N, chrome plated

Control spindle - alloy  $\text{C}\text{E}$  EN 12164 CW602N

Float and arm - high resistance polymer

Seals - high resistance elastomer

Medium - water, glycol solutions

Max percentage of glycol - 50%

Working temperature range -  $-30$ - $150^{\circ}\text{C}$

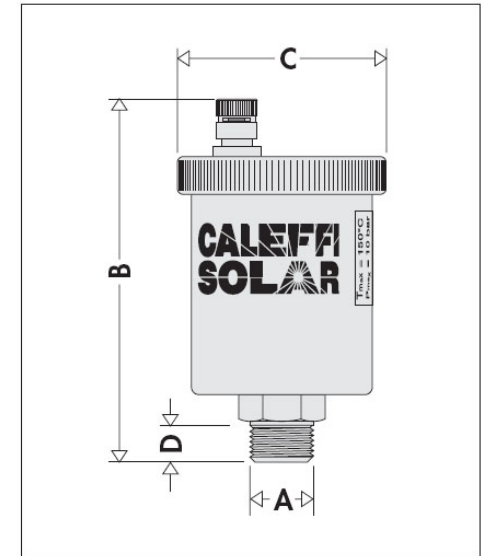
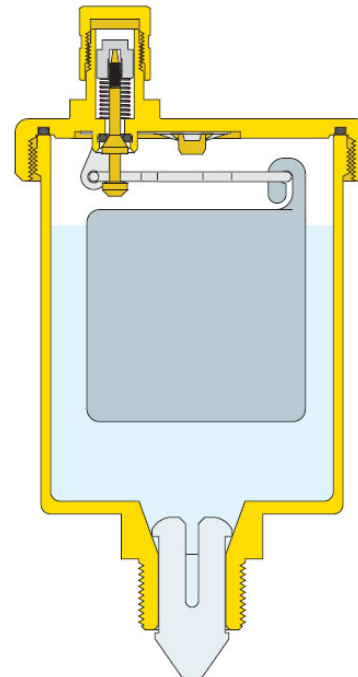
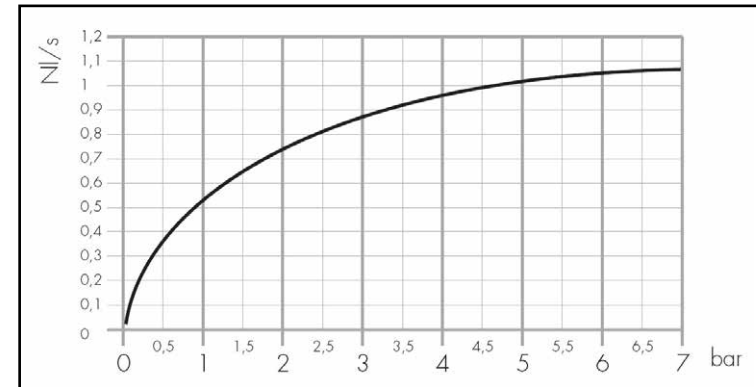
Max working pressure - 10bar

Max discharge pressure - 5bar

Connections - 3/8" Male



## Discharge Flow Rates



Code	A	B	C	D
250031	3/8"	97	$\varnothing$ 55	11