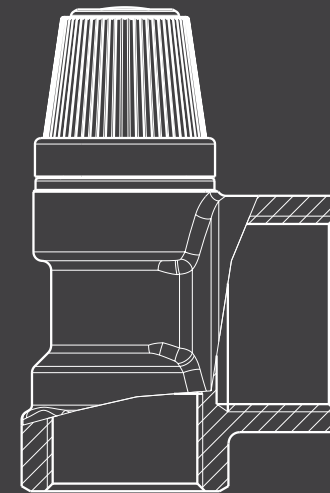


Caleffi Cold Water Expansion Valve

DSV531



1/2", 3/4", 1", 1&1/4"
Available 400, 600, 800, 1000kPa

Installation Manual

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.

Caleffi DSV531 Technical Data

Diaphragm safety valve, for potable water systems.

The Caleffi Safety Valve has been designed to meet the requirements of many engineers and designers and is also the result of many years of experience in meeting international safety regulations.



Caleffi DSV's offers the greatest safety, thanks to the following characteristics:

- Fail-safe Valve performance is ensured even in the case of diaphragm wear or breakage.
- Discharge over pressure 20%.
- Closing pressure 20%. It allows minimization of damage due to water leakage in the case of accidental opening of the valve.
- Maximum working temperature: 100°C
- Factory set: 4 - 6 - 8 - 10 bar
- Increased outlet diameter. This characteristic, prescribed by the main European Standards, considerably reduces the possible decrease of discharge capacity or possible variation in the opening or closing behavior, due to the presence of piping.
- Metallic construction. The body and knob, in copper alloy, are particularly strong. This guarantees the maximum safety in the case of damage from accidental breakage.

Sizing

Size according to the table below observing both the kW rating and maximum storage capacity.

Sizing Table				
Inlet Size	1/2"	3/4"	1"	1&1/4"
Outlet Size	3/4"	1"	1&1/4"	1&1/2"
Max.kW	75	150	250	400
Max.Litres	200	1000	5000	>5000

The kPA rating of the valve selected should be a minimum of 200kPA higher than the static cold water system pressure.

Installation

Before installing a safety relief valve ,correct sizing must be carried out by specialist technical personnel in accordance with the current legislation.

The valve must be installed on a tee in line, with the flow direction indicated by the arrow on the valve body.

On a domestic hot water system the valve must be installed close to the hot water storage, taking care not to fit any shut off devices between the valve and the storage cylinder.

The valve can be installed vertically or horizontally but not upside down.

