

4-in-1 Compact Valves

Scope of Use / Specification Sheet

The CV50 and CV75 4-in-1 Compact Valves are for the automatic filling of mains-pressure water heating installations. This product consists of an adjustable pressure reducing valve, an isolating valve, a check valve, and a filter screen. It includes all components necessary to fill mains-pressure water heating installations, as per New Zealand requirements.



Product Code

Model	Size	Temperature	Product Code
4-in-1 Valves	15mm (1/2")	30°C	CV50
		80°C	CV50H
	20mm (3/4")	30°C	CV75
		80°C	CV75H
Replacement Cartridges		30°C	0312.20.923
		80°C	0312.20.924

Materials

Body	Low-lead gunmetal alloy
Rubber parts	Ageing-resistant elastomer
Diaphragm	Reinforced with polyamide
Spring	Corrosion-resistant spring steel wire
All other parts	Stainless steel or dezincification-resistant brass
Strainer	Stainless steel (mesh width is 0.25mm)

Application

The CV50 and CV75 4-in-1 Compact Valves are designed to automatically fill and refill mains-pressure water heating installations. The Compact Valve is permanently connected to the heating installation. The connection to the potable water system is made with permanent pipework. When the supply pressure falls below the pressure of the heating installation during the filling operation, the integral check valve prevents the backflow of heat water into the potable water system.

Maintenance

The pressure reducing cartridge of the Compact Valve is factory-set to 400kPa. To adjust the pressure, pull the knob on top of the pressure reducing cartridge. To reduce the outlet pressure, turn the knob in the direction of the minus symbol (-), to increase it, turn the adjustment knob in the direction of the plus symbol (+). After pressure adjusting push the knob back. The integral check valve allows to carry out maintenance works on the pressure reducing cartridge without having to drain the installation.

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Technical Specifications

Pressure gauge connection	G 1/4"
Inlet pressure	max. 1600kPa
Outlet pressure	100kPa to 550kPa
Factory setting	400kPa
Fluid	Potable water
Operating temperature	max. 30°C (inlet) Special Design 80°C max. 80°C (outlet)
Mounting position	any

Installation

The 4-in-1 Compact Valve has to be permanently connected to the heating installation. For the filling operation, connect it to the potable water pipe.

Installation is subject to the requirements of the applicable regulatory authority, the New Zealand Building Code G12, and AS/NZS 3500.

Warranty

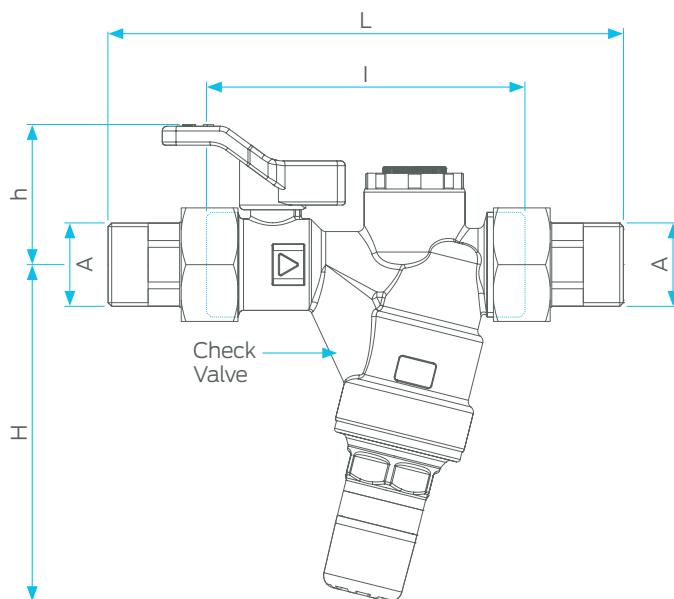
Reliance Worldwide Corporation (NZ) Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture for five (5) years (see website for more details). You may contact RWC at the phone number, address or e-mail shown and will be required to return the goods for evaluation.

Visit www.relianceworldwide.co.nz/warranty to view the warranty statement in full and for further important information.

Dimensions

Size	A	H	h	L	I
CV50 / CV75	R 3/4"	107	44.5	163.5	101

Note: All measurements in mm unless otherwise stated.



Components

