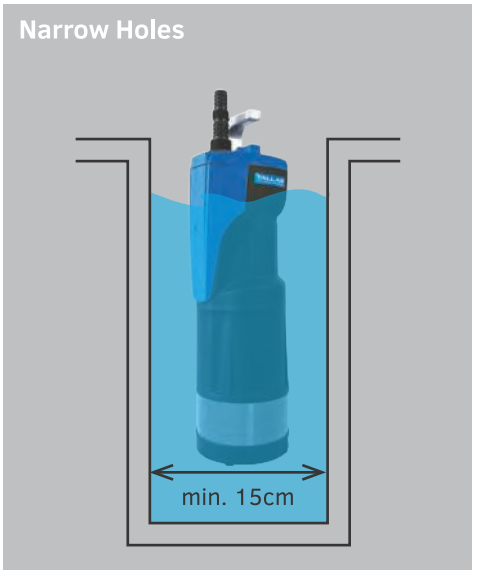
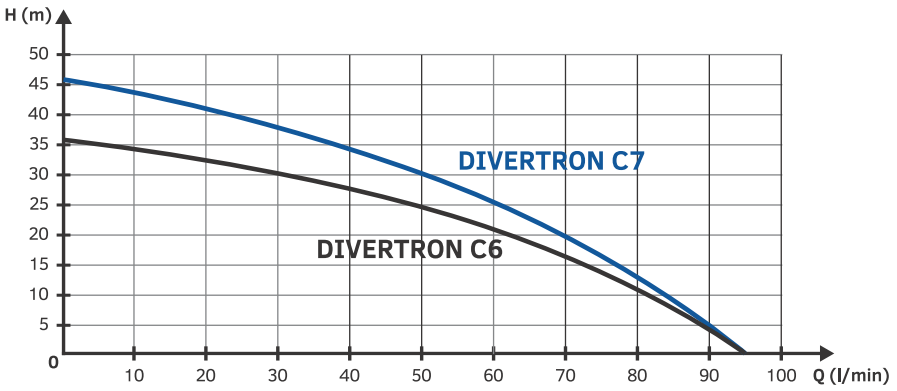
# Electronic Submersible Pump
# DIVERTRON C6/C7

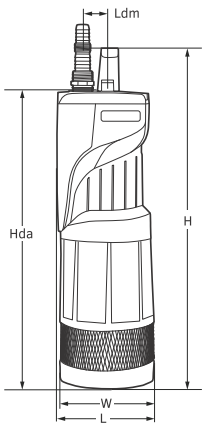
- Compact
- Integrated Automatic on/off
- Dry-run Protection
- Plug & Play
- Designed in Italy

3 YEAR WARRANTY

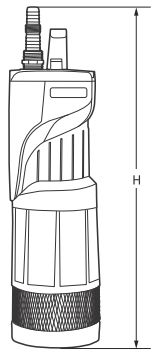


| | Model | DIVERTRON C6 | DIVERTRON C7 |
|---|---|---|---|
| Electrical data | P2 Pump consumption [W] | 650 | 750 |
| | Voltage [V] | 1 ~ 230 AC | 1 ~ 220-240 AC |
| | Frequency [Hz] | 50 | 50 |
| | Current [A] | 3.8 | 4.8 |
| | Capacitor µF | 12.5 | 12.5 |
| | Capacitor Vc | 450 | 450 |
| Hydraulic data | Flow rate max. [l/min] | 95 | 95 |
| | Max. Pressure [Bar] | 3.6 | 4.6 |
| | Max. Head [m] | 36 | 46 |
| | Max. working pressure [bar] | 6 | 6 |
| | Max. Immersion depth [m] | 12 | 12 |
| | Min. submersion depth [cm] | 12 | 12 |
| | Switch-on pression [bar] | 2.6+-0.2 | 2.6+-0.2 |
| Range of use/materials | Length of Power Cable [m] | 15 | 15 |
| | Cable | H07 RNF | H07 RNF |
| | Pump International protection | IP 68 | IP 68 |
| | Insulation Class | B | B |
| | No. Impeller | 3 | 4 |
| | Liquid range Temperature [°C] | 0 °C / +35 °C | 0 °C / + 35 °C |
| | Dimension of particles [mm] | Ø 1 | Ø 1 |
| Dimensions / weight | L x W x H [mm] | 155 x 150 x 526 | 155 x 150 x 526 |
| | Ldm [mm] | 39.5 | 39.5 |
| | Hda [mm] | 450 | 475.5 |
| | DNM GAS | 1'' F | 1" F |
| | Box Dimensions l x w x h [cm] | 57.5 x 20 x 25 | 57.5 x 20 x 25 |
| | Net/Gross Weight [kg] | 10 / 12 | 10.8 / 12.8 |
| | Quantity for pallet [no.] | 32 | 32 |



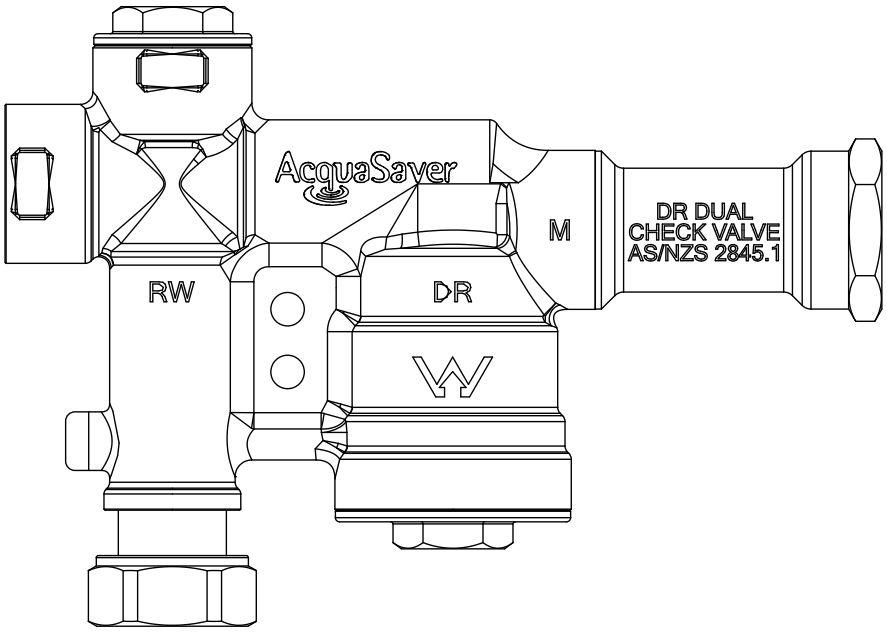




DIVERTRON C7




DIVERTRON C6

AcquaSaver®




# Water Diversion Valve

## BAS25 Installation & Operating Instructions

- ✓ Hydraulically Operated
- ✓ Solid Brass Construction
- ✓ Built-in Dual Check Valves

acquasaver.com.au

**WaterMark**
WMTS477
LN 60075

THREE YEAR 3 WARRANTY

AcquaSaver®

# Installation & Operating Instructions

## Introduction

The AcquaSaver Valve is a fully automatic adjustable mechanical rainwater/mains water changeover device designed for pressure pump supply systems for harvesting rainwater for the toilet, laundry and household applications with automatic mains backup. It is suitable for up to Multiple toilets and washing machine & taps.

## Features

- ✓ Easy to install
- ✓ Patent design
- ✓ Solid Brass mounting bracket (optional)
- ✓ Watermark approved to WMTS-477:2016
- ✓ Does not require regular maintenance
- ✓ No electrical consumption - No electronic components
- ✓ Solid brass construction - Fully weatherproof - Built to last
- ✓ Suitable for any pressure pump with sufficient head pressure
- ✓ Can be mounted in any position
- ✓ Dual Outlets
- ✓ Built-in dual check valve for backflow prevention
- ✓ 3 Year warranty

## Specifications

| | |
|---|---|
| Max Mains Pressure | 1000 KPa |
| Min Pump pressure | 350 KPa |
| Max Flow Rate | 100 LPM |
| Max Water Temperature | 50° C |
| Min Water Temperature | 0° C * |
| Pump Inlet | 25mm 1” BSP F |
| Mains Water in | 25mm 1” BSP F |
| Outlets | 25mm 1” BSP F |
| Weight | 1.6 KG |

*Ensure proper protection against freezing weather.
Complies to AS/NZS 3500.1 when installed by a licensed plumber.

## Operation

The AcquaSaver Valve will always prioritise the use of rainwater over mains water when rainwater is available and will automatically switch over to mains water in the event of the rainwater tank running low or electrical failure.

When rainwater has been replenished, or power has been restored to the pump, the AcquaSaver valve will automatically prioritise back to rainwater.

The pump is only active when rainwater is being drawn from the water tank, it does not operate when the AcquaSaver Valve has switched to mains position.

The pump controller starts and stops the pump when it detects a demand - for example flushing a toilet or using a washing machine.

The operating mechanism of the AcquaSaver Valve is a unique patent design, it works by hydraulic water pressure created by the pump to close one inlet fully before opening the other inlet, This ensures an extremely reliable mechanism using few moving parts and no electronic components and no energy consumption.

## Maintenance

The AcquaSaver Valve does not require any regular maintenance; however, there are things you can do to ensure its most reliable operation:

– Fit a Y-Strainer
– Cleaning your gutters
– Cleaning the inlet strainer on rainwater tank

**Fig 1**

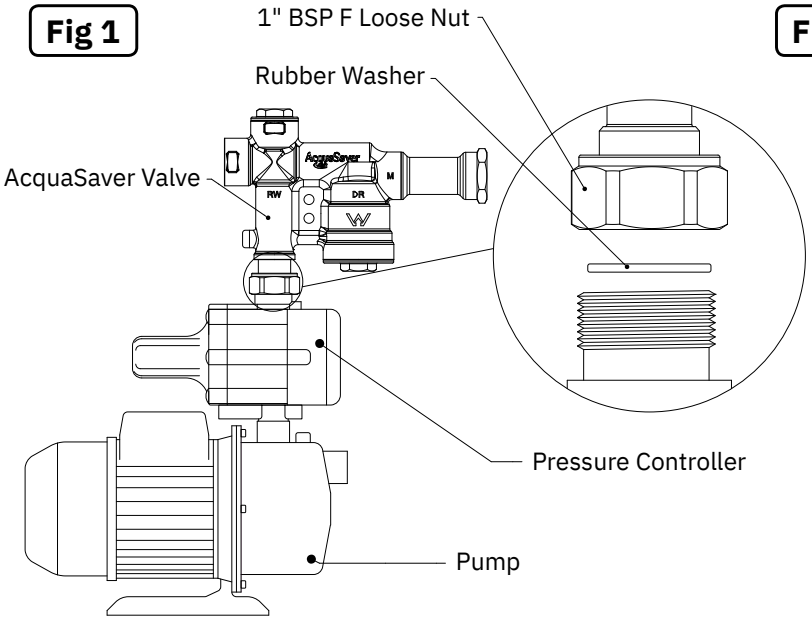



**Fig 2**

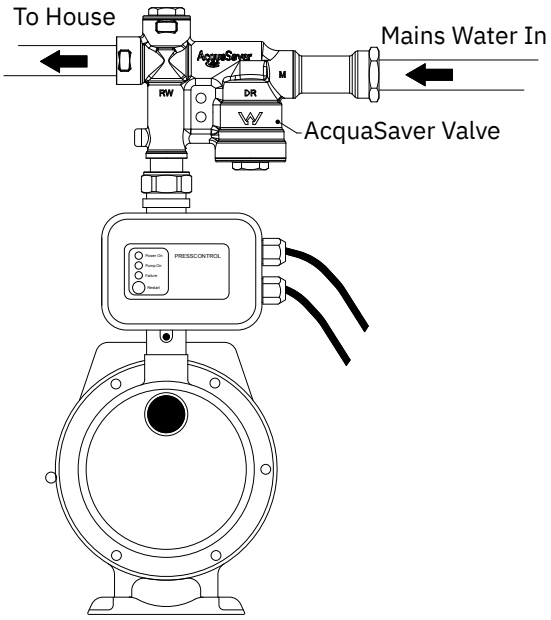



**Fig 3**

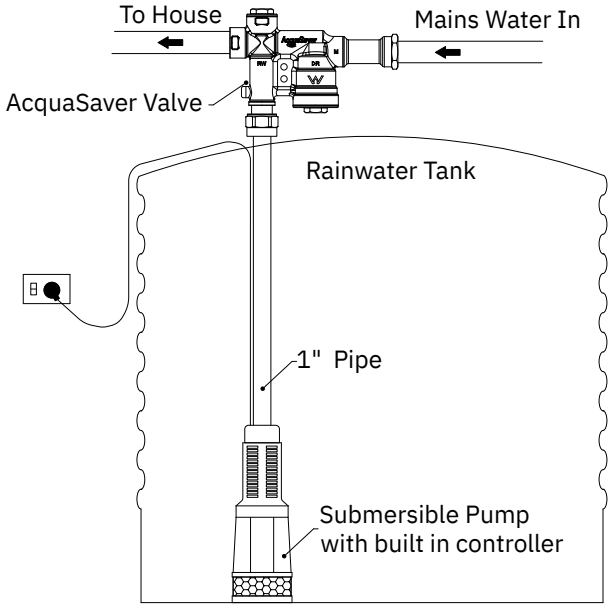
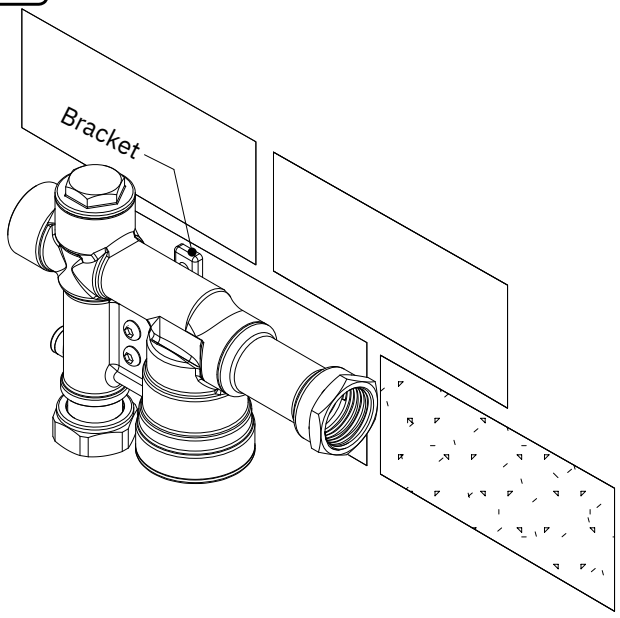



**Fig 4**




## Connection

STEP 1 The AcquaSaver Valve is fitted onto the pump controller as shown in Fig 1. lock up the 1” BSP F loose nut with the rubber washer supplied, do not over tighten.

STEP 2 Connect mains water to the AcquaSaver Fig 2.

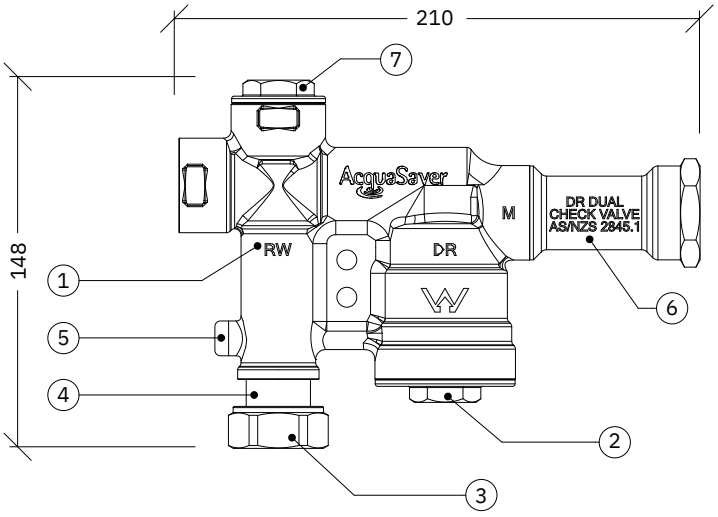
STEP 3 Connect outlet to the household. Fig 3 shows a typical installation for a submersible pump. Fig 4 show the AcquaSaver mounted to a surface using an AcquaSaver bracket

**NOTES**:

The Acquasaver Valve can be installed in any position and location, it does not require to be installed on the pump as shown in the diagram.

The connection of the pump should be carried out to manufacturers instructions, It is recommended a Y-Strainer be fitted between the tank and pump.

Pump needs to be primed before use.




## Parts List

| No. | Component | QTY | Material | Part No. |
|---|---|---|---|---|
| 1 | Acquasaver Body | 1 | DZR Brass | WDV25-D B |
| 2 | End Cap | 1 | DZR Brass | WDV25-D EC |
| 3 | DN25 Nut | 2 | Brass N/P | DN25 Nut |
| 4 | Brass Tail | 1 | DZR Brass | WDV20-S BT |
| 5 | 1/8 BSP Plug | 1 | Stainless Steel | N/A |
| 6 | Dual Check Valve | 1 | DZR Brass | WDV25 DCV |
| 7 | DN25 End Cap | 1 | DZR Brass | DN25 EC |

## Trouble Shooting

| Symptom | Cause | Remedy |
|---|---|---|
| No water is delivered from the pump or pump performance is decreased | The rainwater tank is empty.<br>No Power.<br>Isolation Valve is shut.<br>The pump is not primed.<br>Y-Strainer is blocked. | Wait for the tank to fill.<br>Check power supply & plug. Restart pump.<br>Open isolation Valve.<br>See pump owners manual on priming pump.<br>Clean Y-Strainer. |
| No water is delivered from mains | No water from mains.<br>Debris in valve<br>Air Lock | Check isolation valve on the water meter.<br>Open bleed plug |
| Pump continually runs | Leak in the plumbing system. E.g. Toilet or tap leaking.<br>Faulty pump | Repair Leak<br>Contact pump manufacturer |

## AcquaSaver warranty for Australia and New Zealand

The AcquaSaver valve is guaranteed for 3 years from the date of original purchase to be free of material or manufacturing defects. Should any part fail as a result of such defects within this period, the AcquaSaver valve will be repaired or replaced free of charge. The AcquaSaver valve also has a LIMITED LIFETIME WARRANTY on all brass components; any brass components will be replaced free of charge if it fails in normal use during its life. This warranty applies to all states and territories in Australia and New Zealand. The warranty period commences on the day of the original purchase of the AcquaSaver valve. Evidence of this purchase must be provided when claiming repairs or replacement; it is recommended you retain all receipts. Both warranties are subject to conditions by the original purchaser with all conditions set out in the installation and operating instructions. Failure to comply with these instructions, damage or breakdown caused by fair wear and tear, negligence, misuse, incorrect installation, chemical or additives in the water, corrosive or abrasive water, inadequate conditions, attempting repairs or accidents, are not covered by this warranty.

**Proudly manufactured by**

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acquasaver.com.au