

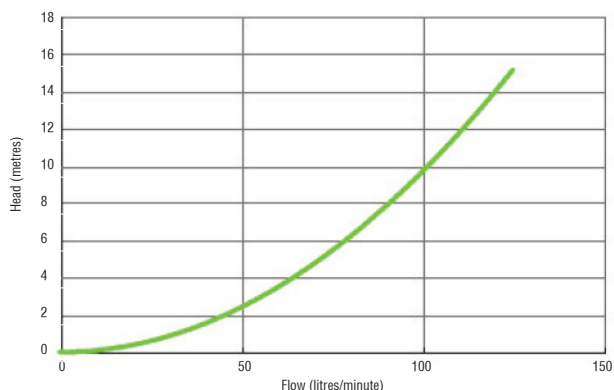
VADA - V-PC Auto Pressure Control

SPECIFICATIONS

Technical Data	
Supply voltage	240 V ~ 50 Hz
Max Power	1.5 kW
Max Current	8 A
Protective rating	IP 65
Max operating pressure	1 MPa
Cut-In	150 kPa
Max. Water temperature	65°C
Inlet/Outlet	1" BSP Male



Auto Pressure Control Pressure Loss



It is hereby declared that the item below conforms with the following directives:

• AS/NZS CISPR14 AS/NZS 60335.1 AS/NZS 60335.2.41

WARRANTY & CARE DETAILS

Dear Customer,

This is the warranty by Reece Pty. Ltd. relating to your product. Please keep it together with your purchase receipt. In the event of a query please contact your nearest Reece Plumbing Centre.

Warranty

You have purchased a quality product from Reece Australia. This product is covered by a 12 month warranty. This warranty covers faults in the product construction, material and assembly. Faulty products will be repaired or exchanged free of charge. Faulty items become our property.

Please note that every product is subject to a stringent final inspection before it is delivered.

This warranty does not include faults caused by

- Unsuitable or improper use
- Incorrect installation
- Normal wear and tear
- Inadequate or complete lack of maintenance
- Chemical, electrochemical or electrical influences.

Warranty repairs may only be performed by our service representatives or an authorised customer service workshop.

Any attempt to repair the device by the customer or unauthorised third parties shall terminate the warranty.

Any warranty service granted by Reece will neither extend the period of the warranty nor will any new warranty period be justified for any parts repaired or replaced by us.

To the maximum extent permitted by law, Reece excludes all warranties other than those set out above. In the event of a warranty claim, we will replace or repair defective products, or pay for the cost of having defective products repaired or replaced, but will not be liable for any injury to any person, damage to any property, any indirect or consequential loss, or in any other respect.

Disclaimer:

The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer distributor takes no responsibility for printing errors.



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Installing the Auto Pressure Control Correctly

If the column of water between the pump and the highest tap exceeds 15m, the unit cannot be installed directly on the pump, it has to be raised until the column of water between the unit and highest tap does not exceed 15m. i.e. If column of water is 20m from the pump, the unit must be placed 5m higher than the pump.

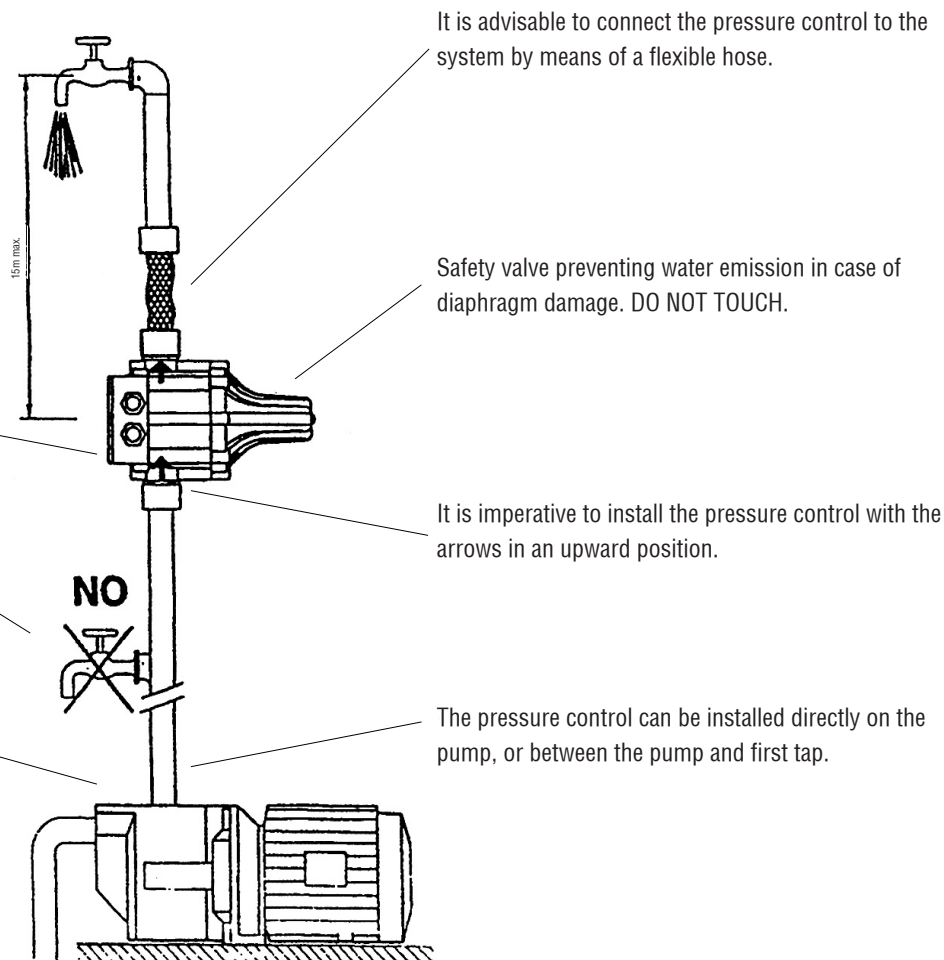
The pressure control is equipped with a check valve to prevent the pipeline from losing pressure.

No taps can be installed between the pressure system and the pump.

PUMP PRESSURE

The pressure control is pre-set by the manufacturer at a restarting pressure of 1.5 bar. The pressure produced by the pump must be normally 0.8 bar higher than the set pressure.

Before starting the unit, check suction and ensure the pump is primed.

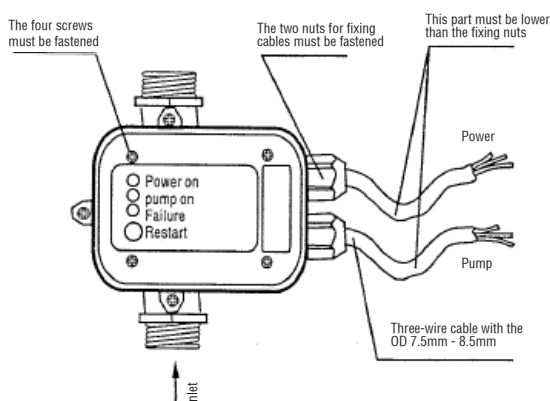


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1. Pressure Control Installation

The Vada Auto Pressure Control comes fully wired and is ready for use with the pump. Please ensure the pumps current rating is below 10 amps or that the automatic pump control is configured so as the current to the unit is less than the maximum current rating of 10 amps.

Warning: Never take the electronic board out of the control box. The wiring diagram inside the front panel will show you how to make correct connection. Wrong connection will destroy the whole electronic circuit. If extending the cable used for connection it must be three wired with a grounded end. It shall have the outer diameter at 7.5mm min and 8.5mm max. The two cables must be goose necked so that part of the cable is lower than the position of the fixing nuts to reduce the chance of water running into the controller, as shown in the figure below.



The four screws on the panel board and the two nuts for fixing cable must be well fastened to avoid water entering into the control box and damaging the electronic circuit.

2. Starting & Operation

When the unit is connected to the power supply and power is available, the green LED indicating “power on” illuminates. The yellow LED illuminates to show the pump is in operation. On initial start up the pump will run until the supply line is primed.

When a tap is opened the pump will start automatically and continue to run at constant pressure. When the tap is closed, the pump will run on for a short period until the system is again pressurised and then stop.

Should the pump fail to prime, the red LED indicating “failure” will illuminate and the pump will stop. This ensure the pump is protected against loss of prime. It will be necessary to press the restart button to have the pump restart.

Should the system fail again, it is recommended the pump is isolated from the power, system pressure relieved and the problem investigated by a suitably qualified person.

Once starting operation is achieved, the unit is programmed to perform all the pump control operations automatically. When particular operational breakdowns occur such as water failure, obstruction of the suction pipe etc. the unit recognises the breakdown and the red “failure” LED lights up, at the same time as a stop signal is sent to the pump to prevent damage caused by its working in the absence of water. Rectification of the failures that have caused the blockage allows the system to be restarted by pressing the “restart” button.

When using a generator to power the Auto Pressure Control, ensure the output of the generator is a full sine wave to mimick 240V.

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TROUBLESHOOTING - Auto Pressure Control		
Trouble	Cause related to Pressure Control	Causes not related to pressure control
Pump won't start	• The electronic card is broken	• Voltage failure • Pump jammed • Electric cables inverted (line/motor)
Pump won't stop	• The electronic card is broken • The reset button is blocked • The flow detector is blocked in the upper position • The pump does not provide sufficient pressure	• Presence of leaks which are higher than the minimum flow of 0.6 l/min
Intermittent pump working	• The electronic card is broken • The pump does not provide sufficient pressure	• Presence of leaks which are higher than the minimum flow of 0.6 l/min
Pump is jammed	• The electronic card is broken • The pump provides a pressure which is lower than the restarting pressure	• Water failure