Operational Problems

PROBLEM	CAUSE	CORRECTIVE ACTION
Pump doesn't stop when tap is closed	There is a leak in the pipe system. (>1.2 lpm)	Check all pipework for leaks on suction and discharge side of pump. Pressure test using a gauge if necessary. Any small leak from a connection, tap or leaking toilet will cause a problem.
Pump doesn't start (FAILURE light on)	Pump does not prime or there is no water to pump	Re-prime pump. Press RESET button and try operations again.
Pump doesn't start (No POWER light)	No power to unit	Check power outlet is turned on. Check electrical connections (as per Electrical Connections section) and ensure electrical power is working.
Pump starts and stops repeatedly	There is a small leak in the system	Check all pipework for leaks on suction and discharge side of pump. Pressure test using a gauge if necessary. Any small leak from a connection, tap or leaking toilet will cause a problem.

Warranty

The warranty is valid for 2 years from the date of purchase. The warranty covers manufacturers defects in material or workmanship. The warranty does not cover malfunctions due to misuse or due to failure to follow the instructions in this manual. Any alterations to the product are to be performed by a ClayTech approved service agent. Any repairs performed by non approved personnel will void the warranty.

ClayTech

www.claytech.com.au

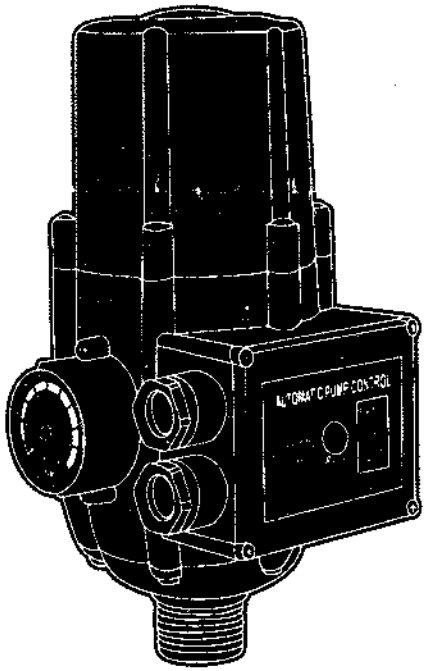
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ClayTech

Aquatron



Installation and Instruction Manual

Dear Customer,

Congratulations on purchasing this high quality ClayTech product.

If there is any issue or technical questions in regard to this product do not hesitate to call 1300 798 022. Please have a look at further quality ClayTech products at www.claytech.com.au

Caution

Before putting your Aquatron into operation, thoroughly read and follow these instructions. This will make you familiar with the product and its operation. We also recommend reading the operating instructions of the pump to which the Aquatron is to be attached.

For safety reasons, the Aquatron is not to be used by people who have not previously read the instructions. The Aquatron is not to be used by children.

The Aquatron is only to be installed on a pump tested to the Australian Electrical Safety Standard AS60335-2-41 and electrical supply conforming to Australian Electrical Regulations 2002. All electrical installations are to be performed by a Licensed Electrician.

Operation

Ensure that the Aquatron and the pump are protected from the rain and sunlight. Ensure that all electrical connections are located in places that are not reachable by water.

Construction Characteristics

Inlet : 1" (25mm) male
Outlet : 1" (25mm) male
Loss of prime protection to protect pump from no water
Non return valve designed to minimise surges
Pressure Gauge
RESET : manual start after system alarm
POWER : LED displaying electricity supplied to Aquatron
FAILURE : System Alarm due to loss of prime.
ON : Pump is working

Technical Characteristics

Voltage : 240V
Max. Current : 10A
Frequency : 50Hz
Protection Grade : IP65
Max. Water Temperature : 60°C
Starting Pressure : 1.8 bar
Max Pressure for use : 10 bar

Operation

The Aquatron converts an electric pump into an automatically operating pressure system for domestic use. The device performs three functions:

1. It allows automatic pump operation: It starts the pump when the tap is turned on and stops it about 10 seconds after the tap is turned off.
2. It protects the pump from dry operation: It stops the pump when there is no flow of water, thus preventing possible damage to the pump. This alarm is indicated by the LED called FAILURE on the front of the device.
3. It ensures constant flow and pressure.

The Aquatron does not work if the highest point of water use exceeds a vertical height of 15 metres.

The pump must not absorb more than 10A and must have a maximum pressure ranging between 3.5 bar and 8 bars.

Hydraulic Connection

The Aquatron must be installed on the delivery side of the pump. Screw the inlet 1" male (at bottom) onto the pump. If the pump does not have a 1" female discharge connection then a adaptor will be required. Connect the system pipe work to the outlet of the Aquatron by the 1" male connection at the back.

Electrical Connection

Ensure all electricity is turned off to the pump and disconnected. Connect the Aquatron electrical socket to the pump power plug. Connect the Aquatron plug to the power outlets.

Important : All electrical power outlets are installed by a licensed Electrician and comply with Australian Standards.

Starting

Before putting the system into operation, fill the pump and suction line with water to allow priming. If the water level is below the level of the pump, ensure that the suction line is equipped with an anti-backf ow foot valve Open a tap slightly to allow the air to escape and the water to flow when the pump starts.

1. Connect the controller to the electrical power outlet and turn the power on. The 'POWER' LED will be on.
2. The pump starts automatically and the LED 'ON' will be on, indicating that the pump is operating. The pump should reach maximum pressure, seen on the gauge, within 30 seconds.
3. Close the tap. The pump will stop within 10 seconds.

If no water has been pumped due to priming problems or no water in the tank, the 'FAILURE' LCD will indicate and the controller will turn the pump off. It can only be restarted by pressing the 'RESET' button.

AUTO-RESTART AND DRY-RUNNING PROTECTION

When breakdowns occur,such as water failure,obstruction of the suction pipe etc,the unit can prevent damages caused by its working in the absence of water.When there is no water supply in system,the water pump will stop automatically after 15s running and the red led will glint. After 24 hours,the pump will start automatically and repeat the above procedures. This is repeated every 24 hours.During stopping the pump,the water pump will start automatically if the flow through the controller is more than the starting flow.