

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 pipe work 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 pipe work 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.

INOXWATER 100 USER MANUAL

POWER – 1000watts
MAX. HEAD – 48metres
MAX. FLOW RATE – 100l/min

Dear Customer,

Congratulations on purchasing this high quality Leader product. Please take a minute to read these installation and important safety instructions before using your new equipment.

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 Leader approved service agent. Any repairs performed by non approved personnel will void the warranty.

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 Leader products at www.leaderpumps.com.au.

EC Certificate of Conformity

The Leader Pumps Group S.p.A.- Via Bonanno Pisano, 1 - 56031 Bientina (PI) Italy, hereby declares on its own full responsibility that the products to which this declaration refers comply to the following EEC health and safety regulations.

89/392/EWG, 89/336/EWG, 73/23/EWG

By way of comparison, within the ambit of the above stated EEC health and safety standards, the following standards and/or technical specifications have been referred to:

EN 60 335-1 1988-89
EN 55014 87-90-1/2
EN 60 335-2-411990-91
DIN-VDE 0700-1
EN 292-1 EN 292-2 EN 50081-2
EN 50082-2 EN 55014-1/2
EN 60555 Teil 2 u. 3
DIN-VDE 0700-2-41
Complies to AS/NZS 60335.2.41
Australian Electrical Approval: Q070602



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Caution

Before putting your pump unit into operation, thoroughly read and follow these instructions. This will make you familiar with the product and its operation.

For safety reasons, the pumping unit is not to be used by people who have not previously read the instructions. It is not to be used by children.

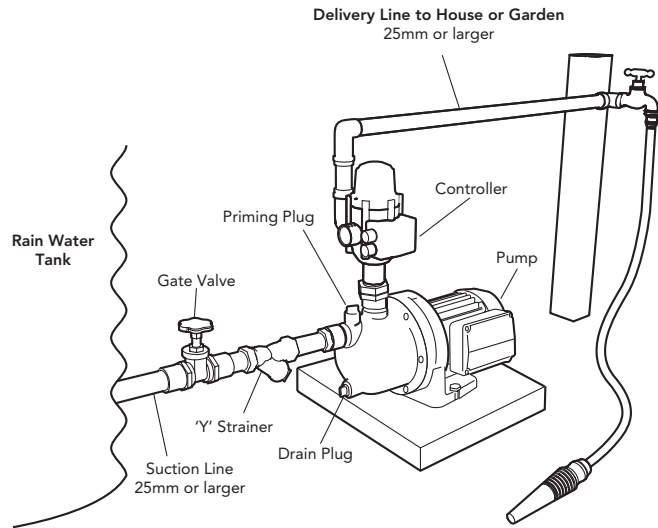
The pump unit is only to be installed in an electrical supply conforming to Australian Electrical Regulations 2002. This must include a IΔn = 30mA safety switch. All electrical installations are to be performed by a Licensed Electrician.

The pump unit is to be used for clean water with temperature below 35°C. Do not raise, carry or fix the pump unit using the electrical cable.

The pump unit is an electrical apparatus and therefore must be protected against moisture. The unit must be protected from the rain, leaking fittings, water taps and/or any other form of water ingress.

The pump unit must be positioned to avoid the possibility of it being flooded.

Garden & Rainwater Pump Installation



Suction Line

1. **Valve** Minimum 1 "gate valve or ball valve fitted to water tank. A ball valve is recommended for this application due to their superior reliability and fast action.
2. **Y-Strainer** Y-Strainers are devices for mechanically removing solids from flowing liquids by means of perforated stainless steel or wire mesh straining element.
3. **Suction Line** Minimum suction line recommended is 300mm of 25mm inside diameter flexible hose. Flexible hose is highly recommended, this will compensate for any movement in the installation and to avoid the use of elbows between the tank and the pump as these can cause cavitation.

Discharge Line

1. ⚠ The minimum recommended discharge line is 20mm inside diameter pipe.
2. If an elbow has to be fitted then install a 25mm inside diameter elbow first then use a reducer to overcome friction loss.
3. When fitting a discharge line to a garden tap, ensure that the tap is attached to either a wall or post as a permanent fixture and with at least one metre of line between the pump and the tap, this will allow the controller to operate most efficiently. Do not install taps directly above the pump as this can allow water to be discharged directly onto the pump itself in the event of failure of the tap or connections.

Connect Controller to Pump

The controller must be installed on the delivery side (top outlet) of the pump.

1. Thread the controller inlet (25mm connection at bottom of controller) to the 25mm female union on top of the pump. If correctly orientated, the controller label should be read horizontally.
2. Connect the controller electrical socket to the pump power plug.

Electrical Connection

- ⚠ Connect the power unit plug (from the controller) to the power outlets.
- ⚠ Do not disconnect any other plugs and sockets or change connections.
- ⚠ All electrical power outlets should be installed by a licensed Electrician and comply with Australian Standards.

Operation

The controller on top of the pump makes the system automatic. The pump unit performs three functions:

1. Automatic pump operation: The pump starts when the tap is turned on and stops it about 10 seconds after the tap is turned off.
2. Pump protection from dry operation: The pump stops 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 controller device.
3. Provides constant flow and pressure.

⚠ The pumping unit does not work if the highest point of water delivery exceeds a vertical height of 15 metres.

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-backflow foot valve. Open a tap slightly to allow the air to escape and the water to flow when the pump starts.

1. Connect the pump unit 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. Allow the pump to operate approximately 30 seconds to remove all air that may be in the system.
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, or by turning the 240V power 'OFF' and then 'ON' again.

Parts View – Pump

