

5. TROUBLESHOOTING (continued from previous page)

Fault	Possible Causes	Solutions
The flow rate is too low.	A) Make sure that the suction grid is not partially clogged. B) Make sure the impeller or delivery pipe are not partially clogged or fouled. C) Air lock in pump.	A) Remove any obstructions. B) Remove any obstructions. C) Tilt pump on side to remove air.
The pump stops running	A) Possible intervention of the thermal overload switch. B) Impeller jammed. C) Power supply doesn't comply with the nameplates data	A) Make sure the temperature of the water is not too high. B) Make sure that there is no solid body obstructing the impeller. C) Make sure that voltage is appropriate to equipment.

FOR TECHNICAL ASSISTANCE 1300 798 022

6. WARRANTY

The pumps are covered by a 12 month warranty from the date of purchase covering a problem caused by a manufacturers defect. This may be a problem of material defect or incorrect assembly. The warranty does not cover normal operating wear or problems associated with incorrect installation.

The warranty is only valid under the following conditions;

- The pump has been used in the correct manner for the correct application.
- The operation instructions have been followed.
- Genuine spares have been used.

The warranty is void if:

- Attempts have been made to repair the pump without authority.
- The pump has been modified.
- The pump has been used for the wrong application.

The following items are excluded from the warranty:

- Paint damage due to normal wear.
- Wearing parts.
- Parts damaged due o incorrect installation.

Proof of purchase is required on all claims in the form of a copy invoice.

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LEADER PUMPS



TwinIt Instruction Manual

1. SAFETY INSTRUCTIONS

Carefully read these instructions before starting the pump.

For safety reasons, persons who have not read the instructions shall not be authorized to use the pump. A pump is an electrical appliance and needs due care and responsibility when operating.

Before starting the pump, verify that:

The electric system is equipped with a Residual Current Device (RCD) with a rated residual operating current of no greater than 30 mA and that the ground system is efficient.

The voltage and frequency shown (240 V/50 Hz) on the technical nameplate of the pump correspond to the data of the electric supply system.

The power cable and float cable of the pump is not damaged.

The electric connection is done in a dry area at a safe distance from possible floods.

The power cable and floating switch must never be used to transport or shift the pump.

When handling the pump, while it is connected to the electric power supply, you should avoid all contact with water.

Never remove the plug by pulling on the power cord.

Before doing any maintenance on the pump, always remove the plug from the power supply.

If the electrical cord has been damaged, it must be replaced by the manufacturer or their authorized customer support service in order to avoid all risks.

Overload protection

The pump has a thermal overload safety device. In the event of any overheating of the motor, this device automatically switches off the pump.

The cooling time is roughly 15 to 20 minutes, then the pump automatically comes on again. If the overload cutout is tripped, it is essential to identify and deal with the cause of the overheating. See troubleshooting.

2. OPERATION

Suitable for grey water, used to pump grey water from laundry and shower or to pump out flooded areas such as basements or garage. TwinIt has an adjustable base allowing the passage of soft solids up to 30mm when set in the highest position.

The pump has a floating switch which starts and stops the pump automatically.

The water level that prompts the starting and stopping of the pump can be adjusted by changing the length of cable of the float between the holder and the float.

The floating switch must always have its cord located by the holder.

The length of the float cable must never be shorter than 10cm.

The float must be able to move freely while the pump is running therefore the advised dimensions of the trap are 40cm x 40cm.

The pump must be placed in a stable position inside a trap or in the lowest part of the place where it is to be installed.

Never leave the pump in operation when the delivery pipe is clogged.

The pump must never be allowed to run dry.

The pump must only be used when immersed in water. If the water runs out the pump must be stopped by either the float switch or turning off the power switch.



Submersible pumps with float are not suitable for continuous use.

The temperature of the fluid being pumped must not exceed 35 C.

The pump must not be used to pump salt water, flammable, corrosive or explosive liquids.

3. STARTING THE PUMP

First time the pump is used it should be placed on its side under water to allow any air inside the pumps body to come out of discharge outlet.

Once the air is completely removed fit the discharge pipe of at least 1 inch inside diameter to outlet.

Make sure pump is secure in pit and cannot fall over.

Turn power supply on to pump.

4. MAINTENANCE AND CLEANING

Before doing any maintenance on the pump, always remove the plug from the power supply.

Periodically, it is advisable to make sure that no dirt, leaves, sand etc has accumulated in the collection trap.

It is absolutely necessary to protect the pump from freezing. If temperature falls below the freezing point, remove the pump from the liquid to be pumped and store it in a safe place where it cannot freeze.

5. TROUBLESHOOTING

Before performing any trouble shooting, it is necessary to disconnect the pump from the power supply (by removing the plug from the socket).

Fault	Possible Causes	Solutions
The motor does not start or makes no noise at all.	A) Make sure the motor is powered. B) The pump is not enabled by the float. C) Impeller jammed.	A) Switch power on. B) Make sure that the float can move freely. Increase the depth of the pit. C) Disconnect from power and check impeller is free to rotate.
The pump delivers no water.	A) The suction grid or piping are clogged. B) The impeller is worn or stuck. C) The required head is too high for the characteristics of the pump. D) Water level under the suction minimum.	A) Remove the obstruction. B) Replace the impeller or remove the obstruction.
The pump does not stop.	A) The pump is not disabled by the float.	A) Make sure that the float can move freely.

Troubleshooting continued over...