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HOZELOCK

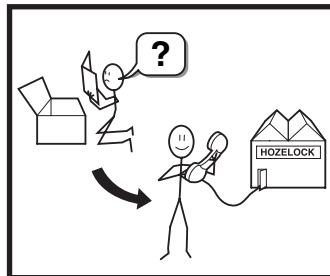
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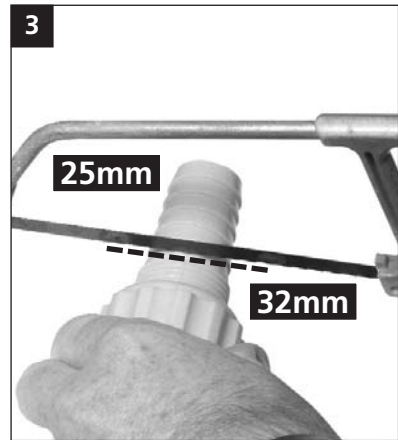
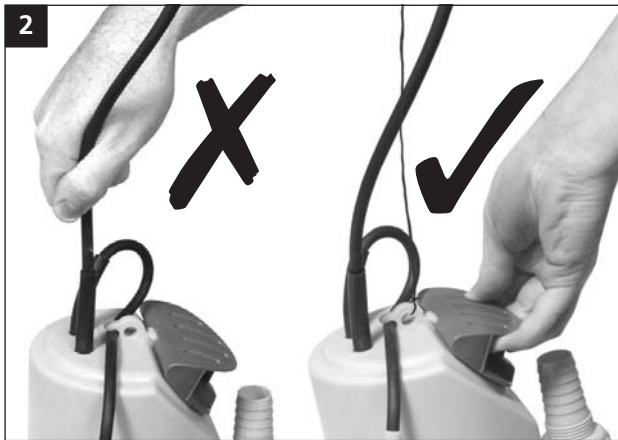
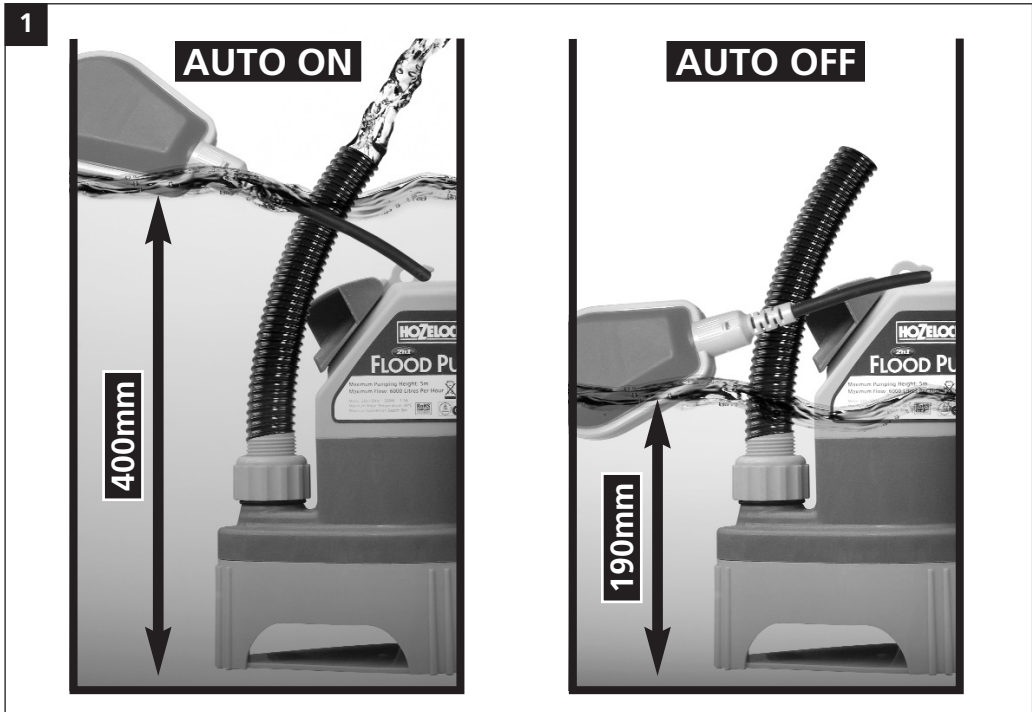
FLOOD PUMP

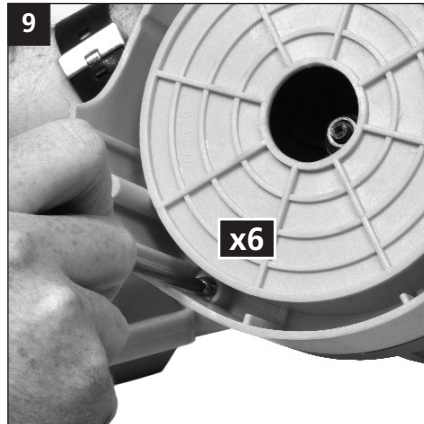
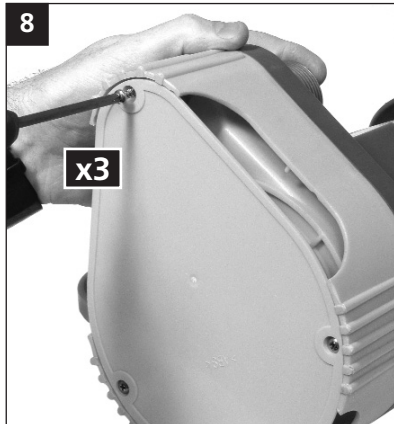
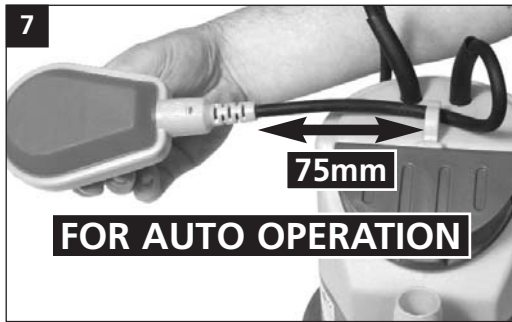
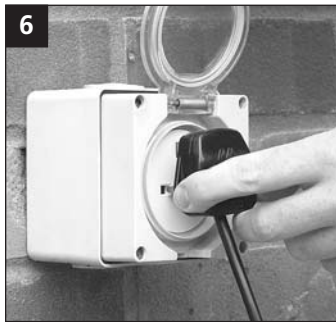
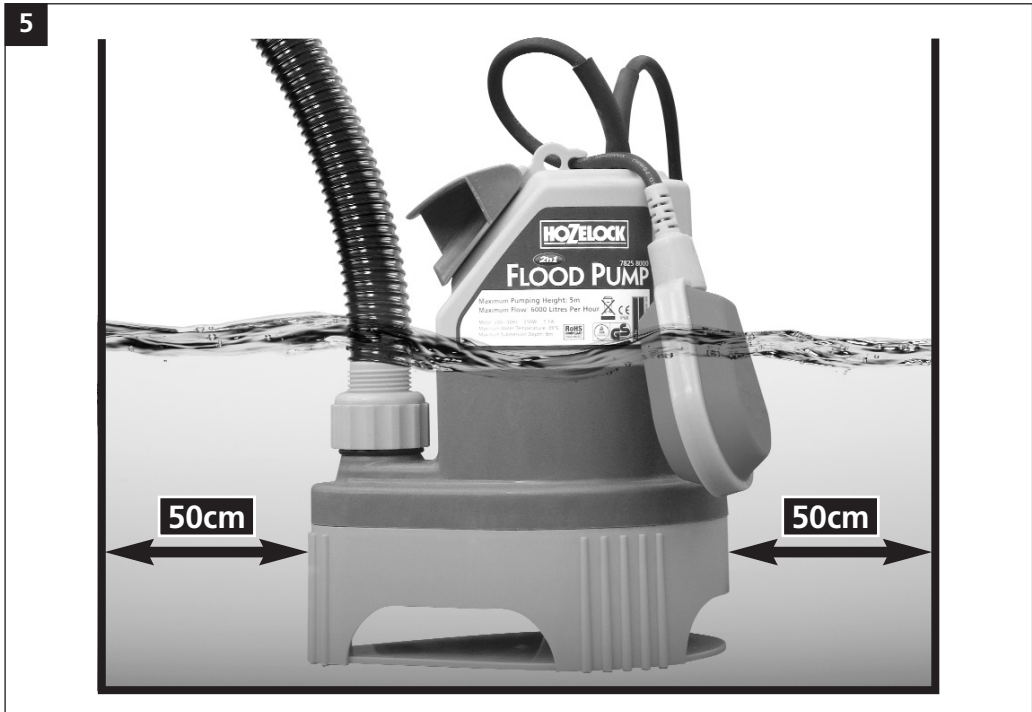


HOZELOCK

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General Safety

Warning : Read this manual carefully before installing this pump.

 This sign warns the user that failure to follow an instruction may damage the pump or the system

 This sign warns the user of important electrical safety information.

 Carefully store this manual. If problems arise contact Hozelock customer services.

Every Hozelock Flood Pump is carefully tested and packed during assembly.

On receipt, check that the pump has not been damaged during transport. If the pump is damaged, do not use, and contact Hozelock customer services.

Electrical Safety

Check that the voltage and frequency of pump shown on the rating label corresponds to those available on the mains.


 **ELECTRICAL INSTALLATION:**


 A 10MA OR 30MA RESIDUAL CURRENT DEVICE (RCD) MUST BE FITTED TO THE MAINS SUPPLY.

 PROTECT THE PLUG AND THE POWER CABLE FROM HEAT, OIL AND SHARP EDGES.

 THE POWER CABLE SHOULD ONLY BE REPLACED BY QUALIFIED PERSONNEL.

 MAKE SURE THAT ELECTRIC CONNECTIONS ARE PROTECTED FROM WATER & SPLASHES


 THE POWER CABLE SHOULD HAVE A MINIMUM OF 3 CORE 0.75MM² SECTION EQUIVALENT TO THAT OF H05 RN-F. TO MAKE SURE THE PLUG IS PROTECTED FROM ANY SPLASHES, USE THE 10M CABLE SUPPLIED TO CONNECT AS FAR AWAY FROM THE PUMP AS POSSIBLE


 BEFORE USING THE PUMP, ALWAYS INSPECT IT VISUALLY (ESPECIALLY THE POWER CABLE AND THE PLUG). DO NOT USE THE PUMP IF IT IS DAMAGED.


 NEVER USE THE POWER CABLE TO LIFT THE PUMP.


Limitations


The pump can be completely or partially submersed and used to transfer clean or dirty fluids.


 This pump is not suitable to be used in swimming pools, where people can become immersed in the water.


 This pump is not suitable for table fountains / aquariums / fountains / filters for fish ponds / waterfalls.

 If aquatic wildlife eg fish or frogs could be present in the water, you must take the required measure to prevent them being sucked into the pump.

 The pump cannot be used for sea water & inflammable, corrosive, explosive or dangerous liquids.


 The pump must never run dry.

 The pump can handle max solids of 30mm. However this will be reduced by the diameter of the hose. eg 25mm hose may block if solids greater than 25mm are present

-  When set up for automatic operation the pump will turn on at a water depth of 400mm, and turn off at a water depth of 190mm (Fig 1)

Installation

Before installation, and whenever you are handling the pump, always disconnect from the electrical supply.

-  To prevent injury, never put your fingers into the mouth of the pump.
- Use the handle provided to carry or lift the pump (see Fig 2)
 - To maximise pump performance always use either 25mm or 32mm hose with this pump
 - Cut the hose tail to match the diameter of the hose selected. 25mm (no cut required), 32mm (cut as indicated Fig 3)
 - Screw the threaded fitting supplied onto the pump. (Fig. 4)
 - To connect the pump to a hose, push over the inlet and secure with a rust proof hose clip (not supplied). Ensure that the hose is not kinked and free to drain to waste. Pump performance depends upon hose length, hose diameter and discharge height. NEVER use 1/2" (12.5mm garden hose)
 - The flood pump is fitted with an automatic float switch. This turns the pump on/off automatically as the water level rises. For correct operation it needs a minimum of 50cm in all directions to prevent the float switch jamming on the container. (Fig 5)

Overload protection


- The Hozelock Flood Pump has a built in thermal protection switch. The pump stops if an overload condition occurs. The motor restarts automatically after it has cooled down.

To start the pump

- Insert the plug into a 220-240v A/C socket (Fig 6)
- To use the pump manually the float switch should be supported. In manual mode the pump will pump down to a minimum depth of 70mm
- To ensure correct automatic operation, the float switch should be clipped into the pump housing as indicated (fig 7)

Maintenance

In ordinary conditions the Flood Pump does not require any maintenance, however occasionally it will be necessary to clean the inlet (see figs 8 & 9).

-  **Make sure that the pump is disconnected from the electric power supply before performing any maintenance. (Fig 6)**

- Stage 1 Cleaning :
Remove the 3 screws on the base plate and remove any visible debris (Fig 8)
- Stage 2 Cleaning :
Remove a further 6 screws and remove debris within the pump chamber (Fig 9)

Pump storage

- Then re-assemble
- Store the pump in a dry place and protect from frost.

Troubleshooting

Problem	Possible Cause	Remedy
The pump does not pump water and the motor is not running	No electricity	Check that the electricity supply is turned on and that the pump is correctly plugged in
	Plug inserted incorrectly	
	Circuit breaker is tripped	Reset electricity supply. If the circuit breaker trips once more contact a specialised electrician
	Blocked impeller	Unplug from the electricity supply and remove possible obstructions from the impeller (Figs 8 & 9)
	Damaged motor	Contact hozelock customer services for assistance
	Pump has overheated	Pump contains thermal protection - check if pump case is hot, and if so, allow to cool
	Float switch is preventing pump turning on	The pump will only work when the float switch is in the upright position, ensure that it is able to reach the vertical position
The pump supplies a limited amount of water or the pump does not pump water, and the motor is running	Pump full of air	Unplug from the electricity supply and disconnect outlet hose, submerge in water and allow air to escape, re-connect hose and power
	Obstructed inlet	Follow cleaning instructions detailed in maintenance section (Figs 8 & 9)
	Obstructed pipe/outlet	Remove obstructions in inlet hose or kinks and clean out filter
	Worn impeller	Contact Hozelock customer services for assistance

Troubleshooting

Problem	Possible Cause	Remedy
The pump works only intermittently	Solid particles prevent the free rotation of the impeller	Clean inlet and impeller (Figs 8 & 9)
	The temperature of the fluid is too high	Only use with fluids below 35°C
	Faulty motor	Contact Hozelock customer services for assistance
Water is leaking from the outlet of the pump	Inlet assembly not tight enough	Tighten

