



## **ORIGINAL INSTRUCTIONS**

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## Welcome to Gardenjack!

Dear customer, Congratulations on your purchase. Before using the Product for the first time please be sure to read these instructions for use. They provide you with all information necessary for using the product safely and to ensure its long service life.

Closely observe all safety information in these instructions!

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# GENERAL POWER TOOL SAFETY WARNINGS

**WARNING Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.** The term "power tool" in the warnings refers to your electric (corded) power tool or battery-operated (cordless) power tool.

## 1. Work area safety

**a) Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

**c) Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

## 2. Electrical safety

**a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

**b) Avoid body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.

**c) Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

**d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

**e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

**f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

## 3. Personal safety

**a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**b) Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

**d) Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

# GENERAL POWER TOOL SAFETY WARNINGS

**e) Do not over reach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

**f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

**g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

## 4. Power tool use and care

**a) Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

**b) Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

**c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

**d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

**f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## 5. Service

**a) Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

**b) If the replacement of the supply cord is necessary, this has to be done by the manufacturer or its agent in order to avoid a safety hazard.**

# GENERAL POWER TOOL SAFETY WARNINGS

## 6. Additional Safety and Working Instructions

a) Dusts from materials such as lead-containing coatings, some wood types, minerals and metals can be harmful to one's health and cause allergic reactions, leading to respiratory infections and/or cancer. Materials containing asbestos may only be worked by specialists. Observe the relevant regulations in your country for the materials to be worked.

b) Prevent dust accumulation at the workplace. Dusts can easily ignite.

## 7. Safety Warnings for Water Pump

a) An approved Residual Current Device (RCD) must be used when pumping from ponds or swimming pools.

b) Always lift the pump using the handle and use a rope or chain attached if necessary to lower it into the pit or excavation. Never lift or carry the pump by the power cable or by the float switch cable.

c) Never use this pump if any part is damaged. Have it inspected and repaired by your local Clarke dealer.

d) Always use an extension cable suitable for outdoor use when operating outdoors. Using the correct cable reduces the risk of electric shock.

e) Always maintain the pump with care and keep it clean.

f) Always use an approved cable extension suitable for the power rating of the pump (see specifications). The conductor size should also be at least the same size as that on the pump, or larger. When using a cable reel, always unwind the cable completely.

g) Never use for pumping flammable liquids or corrosive chemicals. These pumps are designed to pump water only.

h) Never abuse the electrical cable. Never use the cable for pulling or unplugging the pump. Damaged or tangled cables increase the risk of electric shock.

i) Never run the pump dry. Always ensure the pump is immersed in water before starting. Switch the pump OFF immediately the task is completed.

j) Never pump water from a swimming pool when there is a person or animal still in the pool.

k) Never install the pump on sand, silt or mud which is likely to shift or collapse.

l) Never modify this pump in any way. Use it only for the purpose for which it is designed.

# SYMBOLS AND POWER RATING CHART



**Danger! – Read the operating instructions to reduce the risk of injury.**



**Caution! Wear safety goggles.**



**Caution! Wear ear defenders. The impact of noise can cause damage to hearing.**



**Caution! Risk of Injury! Do not reach into the running saw blade.**



**Caution! Wear a dust mask.**

# MACHINE DETAILS AND PRODUCT FEATURES

## Machine Details

### Specifications:

Voltage -	240V / 50Hz
Power -	1200W
Max Particles -	35mm
Max Delivery Rate -	18,000l/h
Max Pump Head -	11 Metre
Max Water Temp -	35°C
Hose Connection -	1"-1.5" threaded end
Protection type -	IPX8
Gross Weight -	7.0kg
Nett Weight -	6.5kg

### Package Contents:

Adaptors  
Float Switch

## Intended Use

The device is only suited for draining, conveying and pumping over the following media:

- clear water and waste water
- non-corrosive suds (e.g. leaking washing machine)
- slightly chlorinated water

When doing so, the water must not contain any suspended matter exceeding a maximum particle size of 35 mm. The device is fully submersible (watertight encapsulation) and can be immersed up to 7 m into the conveyed medium.

The water temperature must not exceed 35 °C.

The device may temporarily be used for e.g.:

- pumping out flooded basements
- emptying tanks and containers
- the water withdrawal from wells and shafts



Product Features

# Assembly Instructions

## Assembly

**Avoid unintentional starting of the machine. During assembly and for all work on the machine, the power plug must not be connected to the mains supply.**

Carefully remove all parts included in the delivery from their packaging.

Remove all packaging material from the machine and the accessories provided.

Before starting the operation of the machine for the first time, check if all parts listed in the box content section have been supplied

**Note:** Check the power tool for possible damage. Before further use of the machine, check that all protective devices are fully functional. Any lightly damaged parts must be carefully checked to ensure flawless operation of the tool. All parts must be properly mounted and all conditions fulfilled that ensure faultless operation.

Damaged protective devices and parts must be immediately replaced by an authorised service centre.

## **SUITABILITY**

The Machine range of submersible pumps are suitable for discharging pools, ponds, fountains, pits and any waste water drainage. They can handle foul water containing suspended material as listed in the specification. The pumps are not suitable for handling inflammable, corrosive, explosive or dangerous liquids.

## **THE FLOAT SWITCH**

The float switch enables the pump to stop and restart automatically as the surrounding water level changes. As the water level rises, the switch

will float and start the pump. As the water level falls, so will the float switch, until it stops the pump. Float switches are factory set to provide the correct ON-OFF switching mode. This makes them suitable for permanent or semi-permanent installations, eg. installations where it is necessary to maintain water at a particular level without an operator in attendance.

## **THE THERMAL CUT-OUT**

The pump is provided with a thermal overload cut-out, so that in the event that the pump becomes overheated (due to becoming blocked etc) it will shut off automatically. When the blockage has been cleared, the thermal cutout will cool down and re-set and the pump can be re-started.

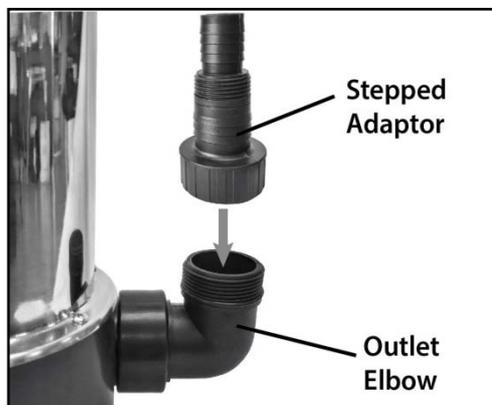
## **CONNECTION AND POSITIONING**

1. Screw the outlet elbow and stepped adaptor supplied, onto the outlet of the pump as shown.
2. Connect the outlet adaptor to the largest diameter hose available, as any restriction will reduce capacity and put unnecessary strain on the motor.

.The stepped adaptor fitting allows for connection of 32 mm (1."), or 25 mm (1") hoses which should be secured with a hose clamp.

3. Ensure that the hose diameter is as large as possible if a long run of discharge hose is being used.

. Suitable hoses are available from your local dealer.

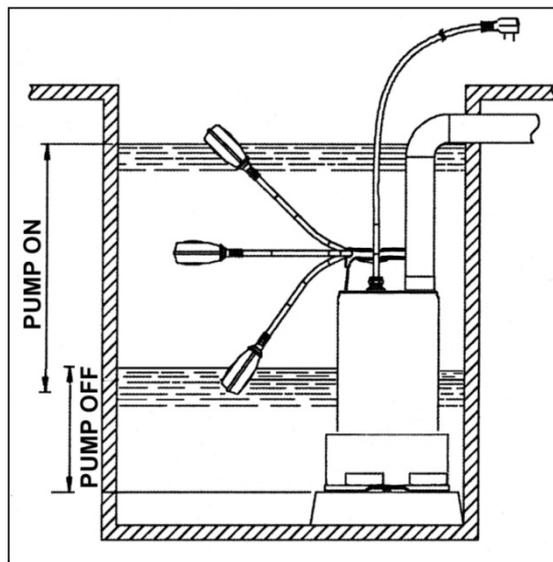


# OPERATION

## Operation

### POSITIONING THE PUMP

1. ALWAYS raise and lower the pump using a rope attached to the lifting handle.
2. Place the pump in a vertical position resting on a firm, flat surface in the area that you want to drain. If there is sediment in the operating area, the pump should be placed vertically on house bricks, or similar but ensure they are not likely to collapse. Never position the pump on sand, silt, mud or ground which is likely to collapse.
3. Keep the pump clear of sediment by standing it on a platform or brick or suspending from a rope attached to the handle if the pump is to be used where there may be silt or mud etc (e.g. garden ponds).
4. Ensure the pump is positioned with adequate space so that the movement of the float switch is not restricted - recommended minimum area of 50 x 50cm.
5. Allowance must also be made for the overall width of the pump including the outlet elbow on one side.
6. Ensure the float switch has sufficient room to operate correctly if used in a confined space such as a shaft or sump.
  - .The pump should only be placed in a sump which is large enough not to restrict the movement of the float switch.
  - .When the pump is being used in a permanent or semi-permanent installation, a non-return valve should be fitted in the delivery hose. Suitable hoses and valves are available from your dealer.



### USING THE PUMP

**WARNING: CHECK THE PUMP FOR DAMAGE BEFORE USE, DO NOT USE THE PUMP IF IT IS DAMAGED IN ANY WAY.**

**WARNING: THE WATER BEING PUMPED WILL BE POLLUTED IF THIS PUMP BECOMES DAMAGED AND LUBRICANT WITHIN THE PUMP ESCAPES.**

1. Plug in the pump and switch on the power supply.
  - . Always use a high sensitivity residual current device (RCD) which has a tripping current of less than 30mA.
  - . The pump will only run where there is sufficient water for the float switch to rise and activate the pump.
2. If required, the range of operation of the float switch can be manually adjusted by positioning the float switch cable within the retaining clip at the top of the pump. The switch will operate through its full range if left hanging free.
3. Run the pump continuously or remove from the water and store in a frost free location if the water is likely to freeze.

# OPERATION & MAINTENANCE AND SERVICE

4. Never run the pump dry. Ensure the pump switches off when water has stopped flowing.  
. The pump should be able to clear water down to a residual depth of approx 35mm, provided the float switch has been raised to keep the pump running. In this situation, air and residual water may be seen escaping from the vent valve.
5. Disconnect from the power supply when the water has been pumped out. Avoid running the pump continuously if the discharge hose has become obstructed and water is not flowing.

## **AUTOMATIC THERMAL OVERLOAD**

These pumps are fitted with automatic thermal overload protection. If the pump overheats due to an obstruction in the pump, or pumping warm water for example, it will shut off automatically.

Switch the pump OFF at the mains supply. Check for blockages and allow the motor to cool (at least 5 minutes) before attempting to restart, by which time the cut-out will have reset.

## **Maintenance and Service**

### **Maintenance and Cleaning**

**WARNING: MAKE SURE THAT THE PUMP IS DISCONNECTED FROM THE POWER SUPPLY BEFORE CLEANING OR PERFORMING MAINTENANCE**

The pump should require no maintenance other than regular inspection and cleaning.

1. Inspect the pump prior to use and do not use the pump if there is any damage to the mains power cable or to the float switch or its connecting cable.
2. Check pump regularly to ensure the inlet is clear of leaves or other debris. It can be cleaned out either by back-flushing or by removing the base plate (after undoing the retaining screws) and cleaning out by hand.
3. If the pump has been used for pumping swimming pool water or salty water likely to leave chemical residues, it should be flushed through with clean water before storage.
4. When the pump is not being used for extended periods, clean and dry it thoroughly and store in indoors. if the pump is left in water, it should be run at least once a week to prevent it from seizing up.

If the pump shows signs of wear or damage, contact your dealer for advice. Do not attempt to repair the pump yourself, as you may damage the waterproof seals and invalidate your guarantee. Repairs should be carried out by your local dealer

# TROUBLESHOOTING

PROBLEM	SOLUTION
Pump hums but does not run	<ol style="list-style-type: none"> <li>1. Impeller partially clogged. Raise pump and clean.</li> <li>. If pump is clear, motor could be defective.</li> </ol>
Pump runs but does not deliver water or only delivers a small amount	<ol style="list-style-type: none"> <li>1. Check or non-return valve is installed backwards. Arrow on valve should point in direction of flow.</li> <li>2. Discharge shut-off valve if used, may be closed. Check that the outlet is not clogged or obstructed.</li> <li>3. Impeller partially clogged. Raise pump and clean.</li> <li>4. Air bubble in the pump, produced during immersion. immerse the pump again, at an angle, and shake it whilst lowering to remove any air trapped in the system.</li> <li>5. Inlet at base of pump is blocked. Raise pump and clear openings.</li> <li>6. Vertical pumping distance too high. Reduce height or change the pump discharge fitting.</li> <li>7. Impeller may be damaged - Consult your dealer.</li> </ol>
Pump will not start	<ol style="list-style-type: none"> <li>1. Make sure that the power is switched on.</li> <li>2. Check fuse (consult an electrician if in doubt).</li> <li>3. If an extension lead is fitted, check connections (consult an electrician if in doubt).</li> <li>4. Internal thermal cut-out has not re-set. Leave for 5-10 minutes and try again.</li> <li>5. The impeller may be jammed. Disconnect from the mains supply and remove any objects that may be obstructing the impeller.</li> <li>6. Float switch may be jammed against side wall, or prevented from moving.</li> <li>7. If the pump still fails to start, consult your dealer for advice.</li> </ol>
Pump runs but will not stop	<ol style="list-style-type: none"> <li>1. Float switch may be prevented from moving to the fully down position.</li> <li>2. Faulty float switch. Consult your dealer.</li> </ol>
Fuse blows or circuit breaker trips when pump starts	<ol style="list-style-type: none"> <li>1. Motor may be defective.</li> <li>2. Fuse size is wrong or circuit breaker may be too small</li> <li>3. Pump clogged. Raise pump and clean impeller</li> </ol>
Pump stops running	<ol style="list-style-type: none"> <li>1. Thermal overload has operated. Leave for 5-10 minutes and try again.</li> <li>2. Pump has run dry, or float switch has cut in.</li> <li>3. A foreign object has jammed the impeller.</li> </ol>

# LUMBERJACK GUARANTEE

## 1. Guarantee

**1.1** Lumberjack guarantees that for a period of 12 months from the date of purchase the components of qualifying products (see clauses 1.2.1 to 1.2.8) will be free from defects caused by faulty construction or manufacture.

**1.2.** During this period Lumberjack, will repair or replace free of charge any parts which are proved to be faulty in accordance with paragraph 1.1 providing that:

**1.2.1** You follow the claims procedure set out in clause 2

**1.2.2** Lumberjack and its authorised dealers are given reasonable opportunity after receiving notice of the claim to examine the product

**1.2.3** If asked to do so by Lumberjack or its Authorised dealer, you return the product at your own cost to Lumberjack's or supplying Authorised Dealer's premises, for the examination to take place clearly stating the Returns Material Authorisation number given by Lumberjack or an Authorised Dealer.

**1.2.4** The fault in question is not caused by industrial use, accidental damage, fair wear and tear, wilful damage, neglect, incorrect electrical connection, misuse, or alteration or repair of the product without approval.

**1.2.5** The product has been used in a domestic environment only

**1.2.6** The fault does not relate to consumable items such as blades, bearings, drive belts, or other wearing parts which can reasonably be expected to wear at different rates depending on usage.

**1.2.7** The product has not been used for hire purposes.

**1.2.8** The product has been purchased by you as the guarantee is not transferable from a private sale.

## 2. Claims Procedure

**2.1** In the first instance please contact the Authorised Dealer who supplied the product to you. In our experience many initial problems with machines that are thought to be faulty due to faulty parts are actually solved by correct setting up or adjustment of the machine. A good Authorised Dealer should be able to resolve the majority of these issues much more quickly than processing a claim under the guarantee. If a return is requested by the Authorised Dealer or Lumberjack, you will be provided with a Returns Material Authorisation number which must be clearly stated on the returned package, and any accompanying correspondence. Failure to provide a Returns Material Authorisation number may result in item being refused delivery at Authorised Dealer.

**2.2** Any issues with the product resulting in a potential claim under the guarantee must be reported to the Authorised Dealer from which it was purchased within 48 hours of Receipt.

**2.3** If the Authorised Dealer who supplied the product to you has been unable to satisfy your query, any claims made under this Guarantee should be made directly to Lumberjack. The Claim itself should be made in a letter setting out the date and place of purchase, giving a brief explanation of the problem which has led to the claim. This letter should be then sent with proof

# LUMBERJACK GUARANTEE

of purchase to Lumberjack. If you include a contact number with this it will speed your claim up.

**2.4** Please note that it is essential that the letter of claim reaches Lumberjack on the last day of this Guarantee at the latest. Late claims will not be considered.

## **3. Limitation of Liability**

**3.1** We only supply products for domestic and private use. You agree not to use the product for any commercial, business or resale purposes and we have no liability to you for any loss of profit, loss of business, business interruption or loss of business opportunity.

**3.2** This Guarantee does not confer any rights other than these expressly set out above and does not cover any claims for consequential loss or damage. This Guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer.

## **4. Notice**

This Guarantee applies to all product purchased from an Authorised Dealer of Lumberjack within the United Kingdom. Terms of Guarantee may vary in other countries.

## CE DECLARATION OF CONFORMITY

**TOOLSAVE**

Unit C, Manders Ind. Est.,  
Old Heath Road, Wolverhampton,  
WV1 2RP.  
Tel: 01902 450 470

**Declares that the Submersible Water Pump (GWP1100)**

**Is in compliance with the regulations included in the Directives: 2014/35/EU**

## EC DECLARATION OF CONFORMITY

Certificate for EC-type examination delivered by Intertek Testing Services Hangzhou – 16 No. 1 Ave.,  
Xiasha Economic Development District, Hangzhou 310018, China (Registration No.:190900418HZH-  
V1)

**Person who declares: Bill Evans**



**01.10.2020**

**The Director**

A handwritten signature in black ink, appearing to be 'Bill Evans', written over a faint, illegible stamp or background.

## Parts List

No.	Description	No.	Description
1	Power cable and plug	32	Ceramics seal
2	Floater	33	Clip spring
3	Clip buckle	34	Adjusting shim
4	Stainless steel handle	35	Impeller
5	Nut	36	Nut
6	Screw	37	Rear cover pressing ring
7	Vent valve	38	Screw
8	Steel ball	39	Ground buckle
9	Stainless steel pump housing	40	Locating ring
10	Screw	41	Flat gasket
11	O ring seal	42	Lower base
12	Rear pump housing	43	Elbow
13	Cord anchorage	44	O ring seal
14	Cable pressing buckle	45	Outlet adaptor
15	Capacitor	46	Lower board
16	Capacitor holder	47	Screw
17	Screw		
18	Screw		
19	Flexible washer		
20	Washer		
21	Motor rear cover anchorage		
22	Motor rear cover		
23	Waved shim		
24	Bearing		
25	Rotor		
26	Stator		
27	Front lining		
28	O ring seal		
29	Front cover		
30	O ring seal		
31	Lip Seal		

# Parts List

