



230V SUBMERSIBLE

WATER BUTT PUMP

36327



These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. INTRODUCTION

1.1 SCOPE


This pump is designed for pumping rain water out of a water butt for garden/plant watering.

This product is suitable for the enthusiasts and tradespersons alike. Any application other than that it was intended for, is considered misuse.

This product is not a toy and must not be used by children or any person with reduced physical, sensory or mental capabilities or lack of experience and knowledge, or people unfamiliar with these instructions.

Local regulations may restrict the age of the operator.

1.2 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

 **Warning!** – Information that draws attention to the risk of injury or death.

Caution! – Information that draws attention to the risk of damage to the product or surroundings.

1.3 EXPLANATION OF SYMBOLS



Warning!
Read the instruction manual.



Rated input.



Input voltage.



Maximum flow rate.



Thermal overload.



Maximum head height.



Output diameter.



Maximum particle size.



Warning!
Not to be used in fish ponds.



WEEE –
Waste Electrical & Electronic Equipment.
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish.



Class 1 appliance
(Must be earthed).



UK Conformity Assessed.




European conformity.

2. SPECIFICATION

2.1 SPECIFICATION

Stock No.	36327
Part No.	WBP2A
Rated voltage	230~50Hz
Rated Input.....	350W
Max. particle size.....	3mm
Output aperture size.....	19mm
Flow rate max.....	2500 L/hr (41.6L/min)
Head height max.	11M
Operating depth max.....	3M
Water temperature max.....	35°C
Min water level for operation	15mm
Degree of protection.....	IPX8
Overall height (inc. all extension pipes)	1.1M (approx.)
Weight (Gross/Net).....	4.9/3kg

3. HEALTH AND SAFETY INFORMATION

 **Warning! Read all safety warnings and all instructions.** When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury including the following.

3.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

When using any type of power tool there are steps that should be taken to make sure that you, as the user, remain safe.

Common sense and a respect for the tool will help reduce the risk of injury.

Read the instruction manual fully. Do not attempt any operation until you have read and understood this manual.

Most important you must know how to safely start and stop this machine, especially in an emergency.

Keep the work area tidy and clean. Attempting to clear clutter from around the machine during use will reduce your concentration. Mess on the floor creates a trip hazard. Any liquid spilt on the floor could result in you slipping.

Find a suitable location. If the machine is bench mounted, the location should provide good natural light or artificial lighting as a replacement. Avoid damp and dust locations as it will have a negative effect on the machine's performance. If the machine is portable do not expose the tool to rain. In all cases do not operate power tools near any flammable materials.

Keep bystanders away. Children, onlookers and passers by must be restricted from entering the work area for their own protection. The barrier must extend a suitable distance from the tool user.

Unplug and house all power tools that are not in use. A power tool should never be left unattended while connected to the power supply. They must be housed in a suitable location, away locked up and from children. This includes battery chargers.

Do not overload or misuse the tool. All tools are designed for a purpose and are limited to what they are capable of doing. Do not attempt to use a power tool (or adapt it in any way) for an application it is not designed for. Select a tool appropriate for the size of the job. Overloading a tool will result in tool failure and user injury. This covers the use of accessories.

Dress properly. Loose clothing, long hair and jewellery are all dangerous because they can become entangled in moving machinery. This can also result in parts of body being pulled into the machine. Clothing should be close fitted, with any long hair tied back and jewellery and neck ties removed. Footwear must be fully enclosed and have a non-slip sole.

Wear personal protective equipment (PPE). Dust, noise, vibration and swarf can all be dangerous if not suitably protected against. If the work involving the power tool creates dust or fumes wear a dust mask. Vibration to the hand, caused by operating some tools for longer periods must be protected against. Wear vibration reducing gloves and allow long breaks between uses. Protect against dust and swarf by wearing approved safety goggles or a face shield. These are some of the more common hazards and preventions, however, always find out what hazards are associated with the machine/work process and wear the most suitable protective equipment available.

Do not breathe contaminated air. If the work creates dust or fumes connect the machine (if possible) to an extraction system either locally or remotely. Working

outdoors can also help if possible.

Move the machine as instructed. If the machine is hand held, do not carry it by the power supply cable. If the product is heavy, employ a second or third person to help move it safely or use a mechanical device. Always refer to the instructions for the correct method.

Do not overreach. Extending your body too far can result in a loss of balance and you falling. This could be from a height or onto a machine and will result in injury.

Maintain your tools correctly. A well maintained tool will do the job safely. Replace any damaged or missing parts immediately with original parts from the manufacturer. As applicable, keep blades sharp, moving parts clean, oiled or greased, handles clean, and emergency devices working.

Wait for the machine to stop. Unless the machine is fitted with a safety brake, some parts may continue to move due to momentum. Wait for all parts to stop, then unplug it from the power supply before making any adjustments, carrying out maintenance operations or just finishing using the tool.

Remove and check setting tools. Some machinery requires the use of additional tools or keys to set, load or adjust the power tool. Before starting the power tool always check to make certain they have been removed and are safely away from the machine.

Prevent unintentional starting. Before plugging any machine in to the power supply, make sure the switch is in the OFF position. If the machine is portable, do not hold the machine near the switch and take care when putting the machine down, that nothing can operate the switch.

Carefully select an extension lead. Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors, use an extension lead also suitable for that environment. When using an extended lead, select one capable of handling the current (amps) drawn by the machine in use. Fully extend the lead regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will both cause the cable to heat up and can result in fire.

Concentrate and stay alert. Distractions are likely to cause an accident. Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident.

Have this tool repaired by a qualified person. This tool is designed to conform to the relevant international and local standards and as such should be maintained and repaired by someone qualified, using only original parts supplied by the manufacturer. This will ensure the tool remains safe to use.

3.2 ADDITIONAL SAFETY INSTRUCTIONS FOR SUBMERSIBLE WATER PUMPS

- When carrying or lifting the submersible pump always use the transport handle, DO NOT carry or lift using the power cable or float switch cable.
- Before connecting to the power supply:
A residual current circuit breaker (RCD) must be used for all applications (Draper Stock No.69307 or 89301).
The electrical supply should be the same as that stated on the rating plate.
- Submersible water pumps should always be transported, stored, and submersed vertically.
- **Always** ensure that your hands are dry when connecting and disconnecting the power supply.
- **Never** operate the pump below the top of the water inlet.
- The area being pumped should be kept clear, and nobody should enter the area while pump is operating.
- Do not pump explosive or flammable liquids.
- Clean water pumps are not suitable for use in dirty water.
- These water pumps are designed for pumping water only.

The addition of any chemicals, chlorine or additives to the water could damage the pump, this would be considered misuse and would not be covered under warranty.

Important: please read before use.

The following additional instructions must be followed at all times. Failure to do so could invalidate the guarantee of this submersible water pump.

- The float switch must be clamped in position using the cable clamp recess.
- Note:** The pump, should be suspended using a rope, chain or stood on a brick to prevent any gravel etc. being sucked into the pump and damaging the impeller.
- If the pump fails to operate, disconnect from mains supply. Remove the base and gently turn the impeller using a screwdriver. Check for obstruction in the impeller, i.e. stones/gravel etc.
- The float switch fitted to the pump is NOT suitable for continuous use as an ON/OFF switch.
- If the power cable becomes damaged it must be changed by the manufacturer or it's service agents.

IMPORTANT: Any pump returned to Draper Tools Limited under warranty must be clean. If a pump is received that has NOT been cleaned, it will be returned to you at your cost.

Make sure the power supply information on the machine's rating plate are compatible with the power supply you intend to connect it to.

3.3 CONNECTION TO THE POWER SUPPLY

Caution: Risk of electric shock. Do not open.

This appliance is supplied with an approved plug and cable for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA  BSI 


Make sure the power supply information on the machine's rating plate are compatible with the power supply you intend to connect it to.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable shall be disabled to prevent connection to a live electrical outlet.

This appliance is Class I[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instruction supplied with the extension lead.

[†]Earthed:  This product requires an earth connection to protect against electric shock from accessible conductive parts in the event of a failure of the basic insulation.

Important: If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

4. UNPACKING AND CHECKING

4.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage. Check contents against the parts shown in Fig A. If any part is damaged or missing, please contact the Draper Help Line (see back page). Do not attempt to use the product!

The packaging material should be retained during the warranty period, in case the product needs to be returned for repair.

 **Warning!**

- Some of the packaging materials may be harmful to children. Do not leave any of these materials in reach of children.
- If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

5. TECHNICAL DESCRIPTION

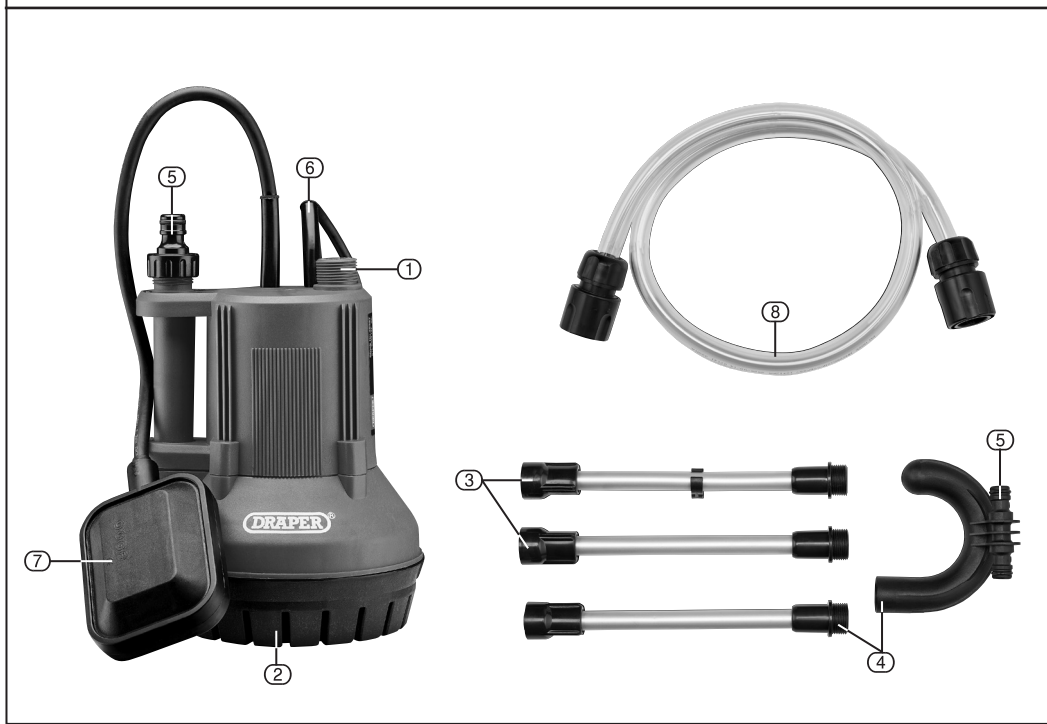


FIG.A

- ① Extension pipe connection.
- ② Filtered inlet.
- ③ Straight extension piece × 2.
- ④ Curved extension piece.
- ⑤ Male hose connector/pump outlet.
- ⑥ Plug & cable.
- ⑦ Float switch.
- ⑧ Hose.

Note: For details of our full range of accessories and consumables, please visit drapertools.com

6. ASSEMBLING THE WATER BUTT PUMP

Note: Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

6.1 EXTENSION TUBES - FIGS.1 - 2

Attach the straight extension piece ③ to the threaded spigot ① by tightening clockwise.

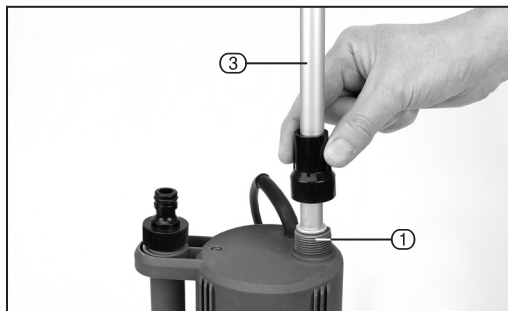


FIG. 1

Screw the curved extension piece (4) onto the straight extension (3) piece by tightening ring (4.1).

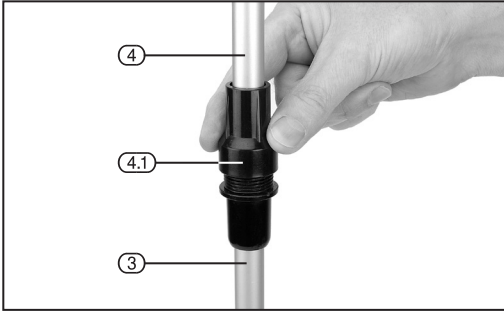


FIG. 2

7. OPERATING THE PUMP

Once you have the pump safely situated and the float switch adjusted, if required, you are ready to turn on the pump.

7.1 HORIZONTAL PUMPING DISTANCE

The horizontal pumping distance is directly affected by the working head height (maximum total head minus measured working head height, times factor of 10, equals the approximate horizontal pumping distance in metres using solid delivery hose).

For example: maximum total head is 7M, minus actual working head of 3M, equals $4M \times 10 = 40M$ approximate pumping distance.

7.2 CONNECTION TO HOSE - FIGS. 3 - 4

Connect the hose (8) to the male hose connector/pump outlets (5). Connect garden hose to the pump outlet with a quick connector (5.1).

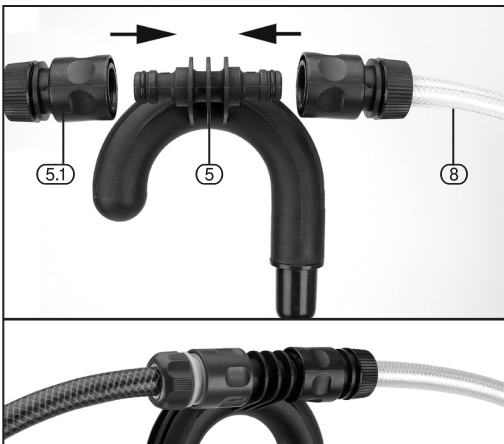


FIG. 3

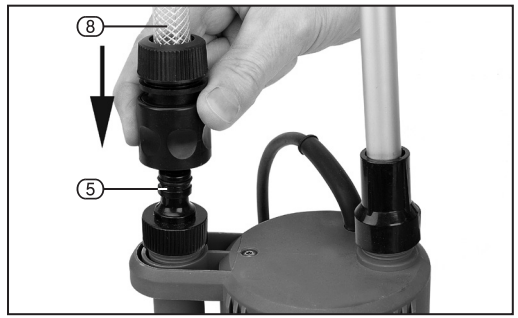


FIG. 4

7.3 CONNECTING TO POWER VIA RCD – FIG.5

Plug your pump into a Residual Current Device (RCD) such as Draper Stock No.69307 (9) or 89301 (10) and connect to your mains supply.

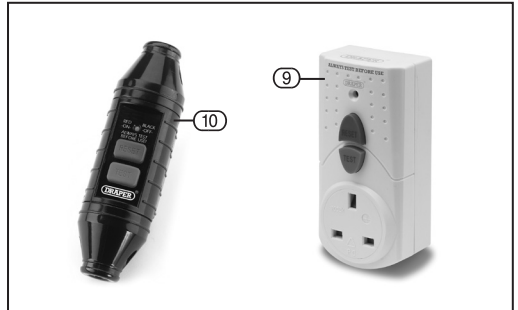


FIG.5

7.4 INSTALLATION - FIG. 6

The pump must be fully submersed before the power is switched on. Do not turn the pump on when its dry.

Use the hook/extension pipes to lower pump into the butt. If pumping water from a sandy or muddy water butt suspend the pump off the base; alternatively stand the pump on a brick to raise it up from the dirt. Do not use the electric cable, for this purpose.



FIG. 6

8. MAINTENANCE

If the replacement of the power cable is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

8.1 FILTER REMOVAL - FIGS. 7 - 8

From time to time it will be necessary to remove and clean/replace the inlet filter.

With the pump disconnected from the power supply, turn the unit over to expose the base (2).

Release clips (2.2) and to remove filter base, exposing filter as shown.

Remove the filter (2.1) and rinse thoroughly with clean water. Install the filter and secure the filter base.

Never use the pump with the filter and the cover removed.



FIG. 7

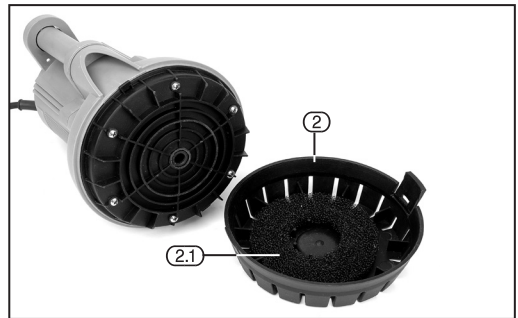


FIG. 8

9. TROUBLESHOOTING

9.1 TROUBLESHOOTING CHECKLIST

FAULT	POSSIBLE CAUSE	REMEDY
No power.	Faulty power supply.	This should be replaced immediately by a qualified person.
	Power supply fuse blown.	Replace the fuse.
	Residual current circuit breaker tripped.	Check and reset.
Pump running, but not delivering water.	Water level under the minimum pumping level.	Raise the water level (where possible).
	Filter inlet clogged.	Clean inlet.
	Outlet tube clogged.	Remove tube and clear obstruction.
Pump stops running due to thermal overload coming into operation.	Voltage supply different to rating plate.	Remove plug from power supply.
	A solid has jammed in pump.	Remove obstruction.
	The pump is operating in hot water.	Allow pump to cool then restart.
	The pump ran dry.	Wait for pump to cool then submerge before switching on.

9.2 GENERAL MAINTENANCE AND STORAGE

Flush your pump through with fresh clean water from time to time if it is left idle in water for some time. Draper recommends that if the pump is not to be used for some time that the pump is removed from the water. It should be flushed through with fresh clean water to remove any dirty water that may remain inside the pump. Clean the outside of the pump and dry with a cloth before storing the pump ready for its next use. You should always perform a visual check of the pump prior to storing and re-using so that any wear or damage to the pump or its power supply cable can be safely rectified prior to next use. The pump should be protected from frost, do not allow any residual water to freeze inside the pump as irreversible damage will occur.

10. WARRANTY

10.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: +44 (0)23 8049 4333 or:

Product Helpline +44 (0)23 8049 4344.

A proof of purchase must be provided.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

11. DISPOSAL

11.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE* as unsorted municipal waste.



* *Waste Electrical & Electronic Equipment.*