

DRAPER[®]

INSTRUCTIONS FOR 350W Submersible Water Butt Pump

Stock No.40218 Part No.WBP1A

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



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GENERAL INFORMATION

Read all these instructions before operating this product and save these instructions.

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. 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 accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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DECLARATION OF CONFORMITY

We :
 Draper Tools Ltd.,
 Hursley Road,
 Chandler's Ford,
 Eastleigh, Hampshire.
 SO53 1YF.
 England.

Declare under our sole responsibility that the product:

Stock No:- **40218.**
 Part No:- **WBP1A.**
 Description:- **Water Butt Pump.**

To which this declaration relates is in conformity with the following directive(s) 73/23/EEC & 89/336/EEC.

With reference to: EN60335-1:2002+A1+A11+A12, EN60335-2-41:2003+A1, EN50366:2003+A1, EN55014-1:2000+A1, EN55014-2:1997+A1, EN61000-3-2:2000, EN61000-3-3:1995+A1.

J.N. Draper
 Chairman

02/11/2006



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock No.	40218
Part No.	WBP1A
Rated Voltage.....	230V/50Hz
Rated Input	350W
Maximum Total Head	12m
Maximum Operating Depth	8m
Maximum Output	40l/min
Maximum Particle Size Ø	3mm
Maximum Liquid Temp.	35°C
Output Aperture Ø	19mm
Ingress Protection	IP68
Continuously Rated	No*
Thermal Overload Protection	Yes

*On Time: 30mins

Off Time: 10mins

WARNING: The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA



GUARANTEE

Draper Tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone: (023) 8026 6355.

A proof of purchase must be provided with the tool.

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 guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, 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 guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.








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

Draper Tools Limited.



POWER SUPPLY

- Connecting to the Power Supply:

To eliminate the possibility of an electric shock your machine has been fitted with a BS approved, non rewirable moulded plug and cable which incorporates a fuse, the value of which is indicated on the pin face of the plug. If the plug is marked with the  symbol and the fuse needs replacing, an  approved BS1362 fuse must be used of the same amp rating. If the plug is not  marked, a fuse with the  symbol,  BS Kitemark, or both  and  BS Kitemark, of the same amp rating should be used.

- The fuse cover is detachable, never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is the same colour as that visible on the pin face of the plug (i.e. red). Fuse covers are available from your Draper Tools stockist.

If the fitted plug is not suitable, it should be cut off and destroyed. *The end of the cable should now be suitably prepared and the correct type of plug fitted. See below.


- *WARNING:

A plug with bare flexible wires exposed is hazardous if engaged in a live power socket outlet.

- WARNING: THIS APPLIANCE MUST BE EARTHED.

The mains lead is coloured Green and Yellow - Earth, Blue – Neutral and Brown – Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in your plug marked with the letter 'E' or by the earth symbol  or coloured green or green and yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

- EXTENSION LEAD CHART:

Extension lead sizes shown assure a voltage drop of not more than 5% at rated load of tool.

Ampere rating (on Name plate)	3	6	10	13
Extension cable length (Metres)	Wire Size mm ²			
7.5	0.75	0.75	1.0	1.25
15	0.75	0.75	1.0	1.5
22.5	0.75	0.75	1.0	1.5
30	0.75	0.75	1.25	1.5
45	0.75	1.25	1.5	2.5

- IMPORTANT:

On products exceeding 2000W it is recommended that the power cable and/or extension cable are fully unwound before a connection is made to the power supply. However, ensure the residual cable does not pose a trip hazard.

- When carrying or lifting the submersible water butt pump always use the transport handle, DO NOT carry or lift using the power cable or float switch cable.
The pump must not be used when people are in the water.
The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA.
35°C maximum liquid temperature.
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 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.
- **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.
Clean water pumps are NOT suitable for use in dirty water.
- **NOTE:** The pump, should be suspended using a rope or chain or stood on a brick to prevent any gravel etc. being sucked into the pump.
If pump fails to operate, disconnect from mains supply. Remove the base (see page 6) 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. It is designed as a cut-off device to prevent the pump from running dry.
If the power cable becomes damaged it must be changed by the manufacturer or its service agents.
- **IMPORTANT:** Any pump returned to Draper Tools Ltd under warranty must be CLEAN. If a pump is received that has NOT been cleaned, it will be returned to you at your cost.



- ① Pump outlet.
- ② Filtered inlet.
- ③ Transport handle.
- ④ BS Moulded plug & cable.
- ⑤ Straight extension piece (x2).
- ⑥ Curved extension piece.
- ⑦ Flow control.
- ⑧ Male hose connector.
- ⑨ Float switch.
- ⑩ Float switch cable clamp.

UNPACKING:

After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the product and contact the dealer from whom it was purchased.

The packaging materials (plastic bags, polystyrene, etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

ASSEMBLY

- NOTE: Remove the plug from the socket before carrying out adjustment, servicing or maintenance.
- **EXTENSION TUBES (Figs.1 & 2):**
Attach the straight extension piece (A) to the threaded pump outlet (B) by tightening clockwise. Ensure seal (C) is installed correctly to achieve a water tight connection.
- Screw the curved extension piece (D) onto the straight extension piece by tightening ring (E).

FIG.1

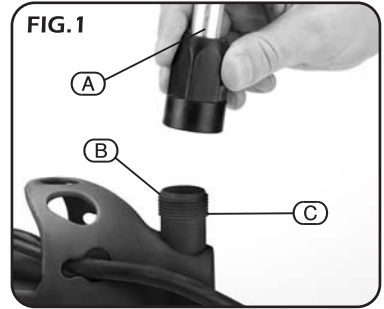
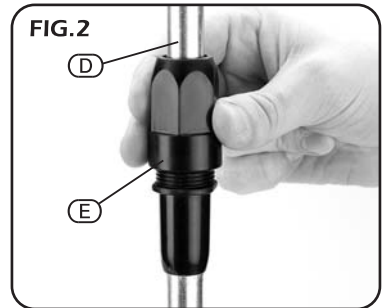


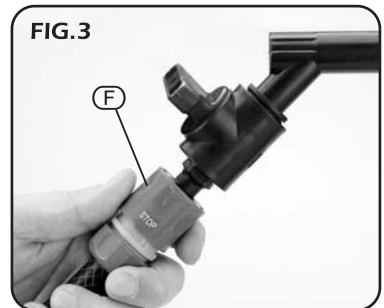
FIG.2



OPERATION AND USE

- **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 x 10 = 40m approximate pumping distance.
- **CONNECTION TO HOSE (Fig.3):**
Make the connection to the pump outlet with a quick connector (F) on a length of hose. On the other end of the hose, connect an appropriate accessory suitable for the intended application.

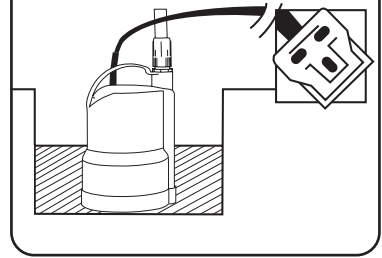
FIG.3



- INSTALLATION (Fig.4):

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

FIG.4



- POSITIONING THE PUMP (Fig.5 & 6):

When submersing or lifting the pump it may be necessary to use a rope or chain, this must only be attached to the transport handle.

If pumping water from a sandy or muddy water butt, the pump can be suspended using a rope or chain (not supplied) fixed to the handle. Do not use any of the electric cables for this purpose, alternatively stand the pump on a brick to raise it up from the dirt.

FIG.5

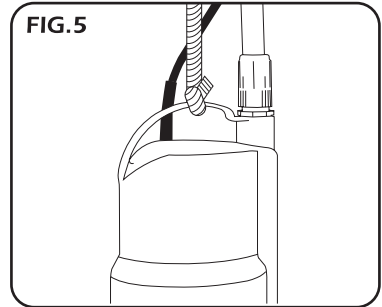
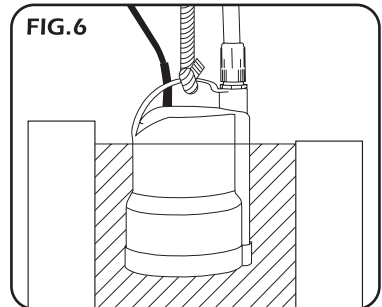


FIG.6



- FLOW REGULATING (Fig.7):

When the pump is operating the flow of water can be reduced. Turn flow control (G) to regulate accordingly.

FIG.7



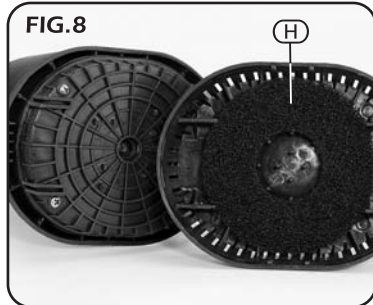
NOTE: Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

- 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.

FILTER REMOVAL:

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. Rotate the filter cover (H) 45° (approx) clockwise to unlock. This may be quite stiff on a new pump. Remove the filter and rinse thoroughly with clean water. Install the filter and relock the cover. Never use the pump with the filter/cover removed.



WARNING:

For your own safety always turn the main switch on the machine "off" and remove the plug from the power supply before carrying out any maintenance or trouble shooting.

Problem	Cause	Remedy
No power	1.Fuse 2.Other	1. Reset/replace time delay fuse or circuit breaker 2. Return to service agent
Pump running but not delivering water	1.Insufficient water lever 2.Inlet clogged 3.Hose crimped	1.Raise water level (where applicable) 2.Clean. 3.Straighten host
Pump stops running, due to thermal overload coming into operation	1.Solid jammed in pump 2.Excessive water temp 3.Pump ran dry	1.Remove obstruction 2.Water temp must not exceed 35°C. 3.Adjust float switch

DISPOSAL OF POWER TOOLS

- 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 abandon in the environment.
- Do not dispose of WEEE* as unsorted municipal waste.



*Waste Electrical & Electronic Equipment.

EXPLANATION OF SYMBOLS/PICTOGRAMS



Do not dispose of WEEE*
as unsorted municipal waste.

* Waste Electrical & Electronic Equipment.

- **DRAPER TOOLS LIMITED,**
Hursley Road, Chandler's Ford,
Eastleigh, Hampshire. SO53 1YF. U.K.
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **General Enquiries:** (023) 8026 6355
- **Fax:** (023) 8026 0784
- **Internet:** www.draper.co.uk
- **E-mail:** sales@drapertools.com
- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

YOUR DRAPER STOCKIST

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