

DRAPER®

INSTRUCTIONS FOR 1000W 230V Surface Mounted Pump

Stock No.31555

Part No.SP76

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



ATTENTION: BEFORE OPERATING, THE PUMP SHOULD BE PRIMED WITH WATER.

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GENERAL INFORMATION

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. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

1000W 230V SURFACE MOUNTED PUMP

Stock no. 31555

Part no. SP76

1.2 REVISIONS:

Date first published June 2013

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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1.3 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.

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3. GUARANTEE

3.1 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.

A proof of purchase must be provided with the tool.

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 Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

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

4. INTRODUCTION

4.1 SCOPE

This machine is designed as a surface mounting pump suitable for domestic water and gardening applications. Any other application is considered mis-use.

4.2 SPECIFICATION

Stock no	31555
Part no	SP76
Motor:	
Rated voltage	230V~
Rated frequency	50Hz
Rated input	1000W
Maximum flow rate	76L/min
Maximum head height	45m
Output elbow size	25.4mm
Power cable length	10m
Sound power level	85db(A)
Weight	7.8kg

4.3 HANDLING & STORAGE

The environment will have a negative result on its operation if you are not careful. If the air is damp, components will rust. If the machine is unprotected from dust and debris; components will become clogged: And if not cleaned and maintained correctly or regularly the machine will not perform at its best.

5. HEALTH & SAFETY INFORMATION

5.1 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.

Beware of electric shock. Avoid contact with earthed surfaces; because they can conduct electricity if there is an electrical fault with the power tool. Always protect the power cable and route it away from danger.

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.

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.

5. HEALTH & SAFETY INFORMATION

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.

5. HEALTH & SAFETY INFORMATION

5.2 SPECIFIC SAFETY INSTRUCTIONS FOR PUMP USE

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.

1. Before connecting to the power supply:
 - i. A residual current circuit breaker (RCD) must be used for all applications.
 - ii. The electrical supply should be the same as stated on the rating plate.
2. Surface mounted pumps should always be transported and stored horizontally on the base plate.
3. Always ensure that hands are dry when connecting and disconnecting the power supply.
4. Never operate the pump dry.
5. The area being pumped should be kept clear, nobody should enter area while pump is operating.

5.3 CONNECTION TO THE POWER SUPPLY

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

This table saw comes supplied with a UK standard 3 pin plug fitted. It is designed for connection to a domestic power supply rated at 230V AC.

Apart from replacing the fuse in the plug, no other electrical work is recommended on this table saw.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- ① Discharge screw.
- ② Inlet (suction pipe).
- ③ Outlet (pressure pipe).
- ④ On/off switch.

- ⑤ Filling/priming port.
- ⑥ Power lead.
- ⑦ Flushing/Cleaning ports.

7. UNPACKING & CHECKING

7.1 PACKAGING

Carefully remove the pump from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the pump.

The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

7.2 WHAT'S IN THE BOX?

As well as the pump; there is a part not fitted or attached to it.



- ⑧ Outlet elbow + washer.

8. ASSEMBLY

8.1 CONNECT HOSES- FIGS. 1 - 2

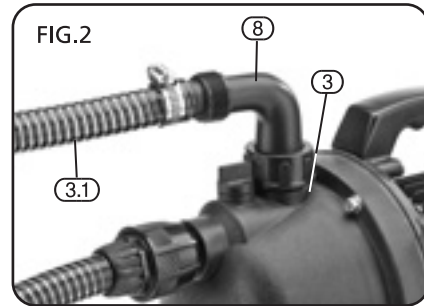
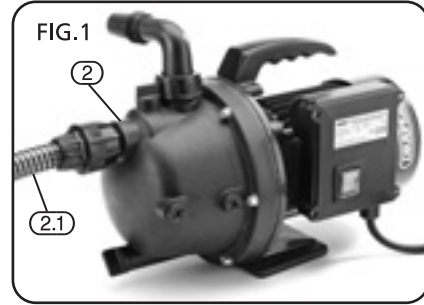
NOTE: Remove the plug from the power supply before carrying out adjustment, servicing or maintenance.

NOTE: This machine will not function without the use of a solid wall suction hose kit.

Connect the suction hose (2.1) into the suction inlet (2). Fig.1.

For suction hose see optional accessories.

Connect the elbow (8) into the outlet (3), and secure an outlet hose (3.1) to the elbow (8) using a suitable hose clip.



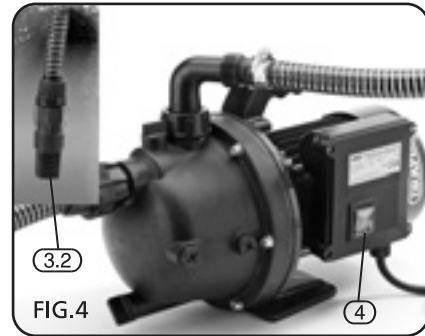
9. PUMP OPERATION

9.1 PUMP OPERATION- FIGS. 3 - 4

Before operating the pump for the first time, it should be primed with water through the suction inlet, the filling operation must be carried out very slowly. Ensure that the water level is to the maximum.

Submerge the filter (3.2) attached to the end of the solid wall suction hose (sold separately) before turning the pump on. Press switch (4) into the 'on' position.

NOTE: If after 1-2 minutes the pump is not pumping water, switch off and repeat the priming operation.



10. OPTIONAL ACCESSORIES

10.1 OPTIONAL ACCESSORIES

PART No.: NRV1
DESCRIPTION: Non return valve
STOCK No. 34036

PART No.: ASWP2
DESCRIPTION: Layflat hose
SIZE: 25mm I.D
LENGTH: 5M
STOCK No. 28703

PART No.: ASWP3A
DESCRIPTION: Layflat hose
SIZE: 25mm I.D
LENGTH: 10M
STOCK No. 45343

PART No.: ASP4
DESCRIPTION: Solid Wall Suction Hose Assembly
LENGTH: 4M
STOCK No. 56389

PART No.: ASP7
DESCRIPTION: Solid Wall Suction Hose Assembly
LENGTH: 7M
STOCK No. 56390

11. MAINTENANCE

11.1 MAINTENANCE

The pump is completely maintenance free. If the pump becomes clogged, you should clean it out by running clean water through it. While the water is running through, start up the pump several times for approximately 2-3 seconds. This operation should remove any obstruction.

When there is a danger of cold or freezing temperatures, the pump must be completely emptied.

Before any long period of inactivity or storage, it is recommended that you clean the pump with water, drain completely, and store in a dry place.

Before the next use, check that the pump runs freely by running it briefly, then fill the pump as instructed.

12. EXPLANATION OF SYMBOLS

12.1 EXPLANATION OF SYMBOLS



Warning!
Read the instruction manual



Warning! Disable the machine
before attempting to maintain it.



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

13. DISPOSAL

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



* Waste Electrical & Electronic Equipment.

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