

**DRAPER**<sup>®</sup>

<sup>®</sup>

INSTRUCTIONS FOR  
**230V**

# Parts Washers

Stock No.37825  
37826

Part No.DPW1  
DPW2

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



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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

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## **1.1 INTRODUCTION:**

USER MANUAL FOR:

## **230V PARTS WASHERS**

Stock nos. 37825 & 37826.

Part no. DPW1 & DPW2.

## **1.2 REVISIONS:**

\_\_\_\_\_  
Date first published April 2015.  
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As our user manuals are continually updated, users should make sure that they use the very latest version.

Manuals are available to download under products on: [www.drapertools.com](http://www.drapertools.com).

DRAPER TOOLS LIMITED

HURSLEY ROAD

CHANDLER'S FORD

EASTLEIGH

HAMPSHIRE

SO53 1YF

UK

WEBSITE: [www.drapertools.com](http://www.drapertools.com)

PRODUCT HELPLINE: +44 (0) 23 8049 4344

GENERAL FAX: +44 (0) 23 8026 0784

## **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.

**NOTE!** Important information.

## **1.4 COPYRIGHT © NOTICE:**

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## 3. GUARANTEE

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### 3.1 GUARANTEE

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

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 period covering parts/labour is 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. The guarantee is extended to 24 months for parts only. This guarantee does not apply to 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 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 guarantee period.

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

Draper Tools Limited.

# 4. INTRODUCTION

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## 4.1 SCOPE

Suitable for degreasing parts prior to assembly.

## 4.2 SPECIFICATION

Stock no. ....	37825.....	37826
Part no. ....	DPW1 .....	DPW2
Rated voltage .....	230V~50Hz .....	230V~50Hz
Rated input.....	15W.....	15W
Pump output (per hour) .....	227L.....	227L
Tank capacity.....	76L.....	12L

### Dimensions;

Length:.....	800mm .....	470mm
Width: .....	550mm .....	340mm
Height: .....	890mm .....	250mm

### Tank Internal;

Length:.....	725mm .....	400mm
Width: .....	490mm .....	230mm
Height: .....	270mm .....	230mm
Weight (machine only) .....	32kg .....	7.3kg

## 4.3 HANDLING & STORAGE

If the machine is not cleaned and maintained correctly or regularly the components will become clogged and the machine will not perform at it's best.

Always disconnect from power supply before moving. Use a second person to move safely.

## 5. HEALTH & SAFETY INFORMATION

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### **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.

**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 nonslip sole.

## 5. HEALTH & SAFETY INFORMATION

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**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

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**Keep these instructions with the product.** If this machine is lent, or sold on, to another person these instructions must remain with it as they are part of the tool.

**Remove the cutting tool.** After use (at the end of the day) always remove the cutting tool as store it away.

**Cover the parts washer.** To help maintain this machine in a good working order, store it under a soft piece of cloth material and store other accessories in a wooden box. Lubricate all accessories before storing them away.

**Do not attempt to fit material larger than this machine is capable of turning.** Oversized stock will damage the lathe and is more likely to be thrown off.

**These washers are not a toy.** Treat it with the respect you would give a much larger machine.

### ***5.2 ADDITIONAL PARTS WASHER SAFETY RULES***

**Never over fill the parts washer.** The level of the cleaning solution should be just below the parts tray.

**DO NOT use highly volatile flammable liquids, such as petrol.** Use only recommended cleaning solution, i.e. Jizer, Gunk\*\*.

**Use in a well ventilated area as some cleaning solution fumes may be toxic.**

**DO NOT smoke, operate near a naked flame or machinery which may generate sparks.**

**Avoid cleaning solution contact with skin and eyes.** Always wear protective clothing which conforms to a recognised standard when necessary.

**In the event of a fire DO NOT ATTEMPT TO MOVE THE PARTS WASHER.** The lid is fitted with a thermal fusible link and will automatically fall to extinguish any flames.

**NOTE:** Never modify or jam the lid in an open position.

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

Because it is constructed mostly of metal parts, it is a Class 1 machine; meaning, it must have an earth connection in the power supply. This is to prevent electrocution in the event of a failure.

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

\*\* Jizer and Gunk are registered trade names.



# 6. TECHNICAL DESCRIPTION

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## 6.1 IDENTIFICATION



- ① Lid
- ② On/off switch
- ③ Fluid hose
- ④ Tank
- ⑤ Work shelf
- ⑥ Fusible link

- ⑦ Stand leg (DPW1 only)
- ⑧ Stand shelf (DPW1 only)
- ⑨ Pump unit
- ⑩ Small parts tray (DPW1 only)

# 7. ASSEMBLING THE PARTS WASHER

## 7.1 DPW1 - FIGS. 1 - 4

Your parts washer is supplied assembled except for the stand, legs and shelf Fig.1. To assemble the stand to the machine:

1. Thread the screw (A) into the holes provided in the leg (B) and shelf (C) (Fig.2).
2. Secure into place using plain washer (D), split washer (E) and nut (F). Hand tighten nut onto the screw (Fig.3).
3. Repeat operations 1 and 2 for the remaining legs.
4. Now secure the tank to the legs (B) using the remainder of the nut and screws.

**NOTE:** Before using, remove the screws on the pump housing and remove the cover. Remove the polystyrene packing around the pump, then replace and secure the front cover.

5. Now securely attach the pump unit to the tank by sliding the switch unit over the tank so that it locates as shown in Fig.4
6. Screw the fluid hose (G) into the pump connector Fig.4.
7. Using a recommended cleaning solvent see page 7 (5.3 - no.2, cleaning fluid) fill to the required level, this should be below the work shelf, and above the pump unit intake.

FIG.1

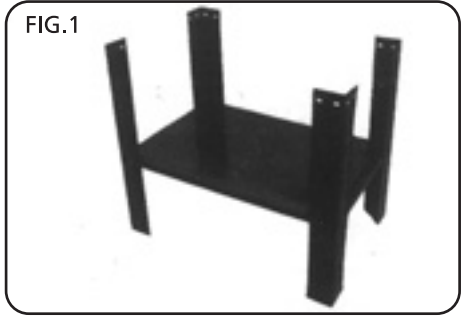


FIG.2

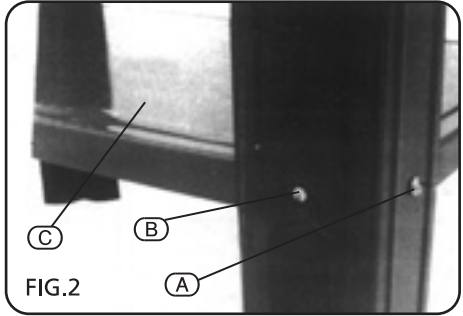


FIG.3

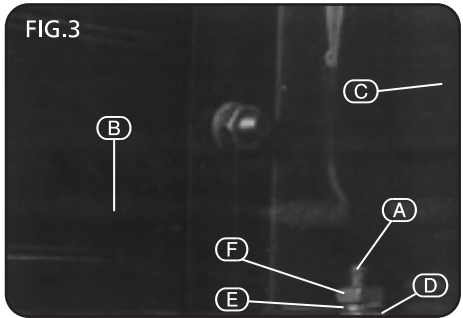
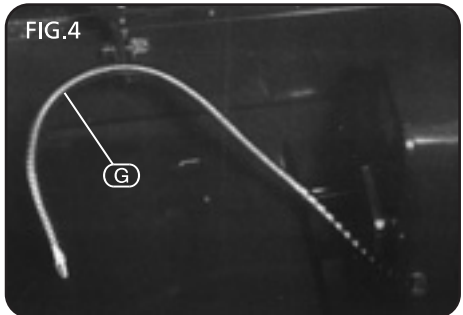


FIG.4



## 7.2 DPW2

This parts washer is supplied fully assembled with only the fluid hose packed loose. Follow operations 6 and 7 only.

## 8. MAINTENANCE

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### 8.1 MAINTENANCE

**NOTE:** Please note that all repairs and adjustments should be carried out by a qualified person.

The filter on this machine must be cleaned regularly, and replaced when required.

The cleaning solvent (fluid) must be changed as recommended by the manufacturer.

## 9. TROUBLESHOOTING

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### 9.1 TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY
No power.	Power supply fuse blown Faulty power cable.	Replace fuse. This should be replaced immediately by a qualified person.
Pump is not producing full power	Fluid inlet filter is blocked. Air leaks at connectors or hoses.  Cleaning solvent (fluid) is heavily soiled.	Replace fuse. This should be replaced immediately by a qualified person.  Change the cleaning solvent (fluid).

## 10. DISPOSAL

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### 10.1 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.

- **DRAPER TOOLS LIMITED,**  
Hursley Road, Chandler's Ford,  
Eastleigh, Hampshire. SO53 1YF. U.K.
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **Website:** [www.drapertools.com](http://www.drapertools.com)
- **E-mail:** [sales@drapertools.com](mailto:sales@drapertools.com)
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**  
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