



**DRAPER**<sup>®</sup>

12V DC

# DIESEL FUEL/WATER TRANSFER PUMP

54044



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: 12V DC DIESEL FUEL/WATER TRANSFER PUMP

**Stock No's:** 54044

**Part No's:** BWP13

## 1.2 REVISIONS:

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**Date first published** May 2018.

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

**Downloads are available from:** <http://drapertools.com/manuals>

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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.

## 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.

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 90 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

This pump is designed to pump standard diesel fuel or water. Do not pump "diesel alternatives" with this pump.

### 4.2 SPECIFICATION

Stock no. ....	54044
Part no. ....	BWP13
Motor:	
Rated voltage .....	12V DC
Rated input .....	50W
Maximum flow rate .....	30L/min
Power cable length .....	3M
Suitable for what liquids .....	Diesel fuel & water
Dimensions.....	51mmØ x 180mm height
Weight (machine) .....	0.57kg

Supplied accessories: Hose (3M), hose clips x2, metal hose joining tube.

**WARNING! Not to be used with petrol, alcohol or any other flammable liquid/fuel. Not for use with bio diesel.**

### 4.3 HANDLING AND STORAGE

When not in use this pump should be stored empty of any residual fluids. Ensure that the power cable is stored in such a manner as to avoid any damage to the power cable.

Never carry the pump by holding its power cable. Never lift the pump by its power cable. When lifting or carrying the pump be sure to hold the pump by its main body so as not to strain or otherwise cause damage to the pumps power cable or water seals.

# 5. HEALTH AND SAFETY INFORMATION

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## 5.1 GENERAL SAFETY INSTRUCTIONS

1. Never use this pump with petrol, alcohol or any other type of flammable fuel or liquid.
2. Never operate this pump near any flammable liquids/fuels/gases.
3. Do not use to pump bio diesel as it can dry to a hard residue and impair the product.
4. When choosing a suitable site to use this product keep in mind that connecting the clamps of the power cable can produce sparks. So keep away from any flammable liquids/fuels/gases.
5. Be aware of the safety guidelines for the safe use of batteries, contact the maker of your battery for further information.

## 5.2 CONNECTION TO THE POWER SUPPLY

Ensure that the battery you use to power this pump is of a suitable type (12V).

Before connecting this pump to your chosen battery, ensure that the power switch is in the OFF position.

Connect the black clamp to the negative terminal of your battery first, followed by the red positive clamp to the batteries positive terminal.

## 6. TECHNICAL DESCRIPTION

### 6.1 IDENTIFICATION



① Main pump body

② Support feet

③ Outlet

④ Power cable

⑤ Impeller

⑥ Power switch

⑦ Battery terminal clamps

⑧ Hose clamps x2

⑨ Hose joining tube x1

⑩ Length of hose (3M)

# 7. UNPACKING AND CHECKING

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## 7.1 PACKAGING

Carefully remove the pump and accessories from the packaging and examine them 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.

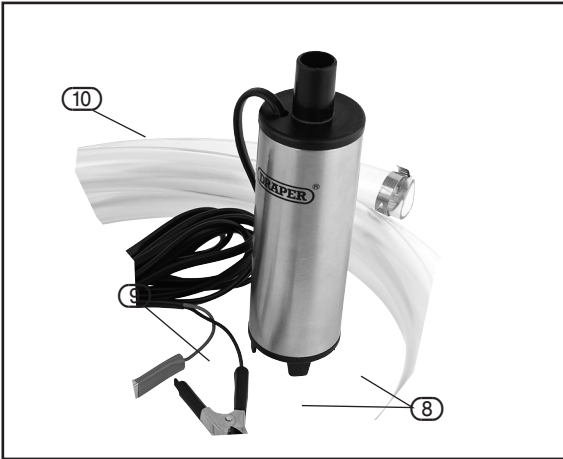
The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

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 are several parts not fitted or attached to it.



- ⑧ Hose clamps x2
- ⑨ Hose joining pipe x1
- ⑩ Hose 3M long



# 8. PREPARING THE PUMP

## 8.1 INSTALLATION - FIGS. 1-2

The pump should be installed standing vertically in the liquid to be pumped. If the liquid is clean with no debris the pump can be placed at the bottom of the container and pumping can commence (see fig.2).

If however there is any debris in the liquid to be pumped you must place the pump on a stable level surface situated so as to avoid the pump sucking up any debris and potentially damaging or jamming the pump.

Once the pump is installed into the liquid to be pumped care must be used in the position chosen for the placement of the battery power source, the battery should be located on a safe, stable and level surface away from the liquid that is being pumped. Care must also be exercised in making sure that the power on/off switch is not positioned so that it may get wet and / or have liquids interfere with its operation.

### CAUTION

During use the level of the fluid being pumped should be monitored.

Failure to monitor the fluid level can result in an insufficient fluid level for pumping to continue, resulting in the motor racing and damage to the pump. The minimum fluid level required for pumping is 40mm.

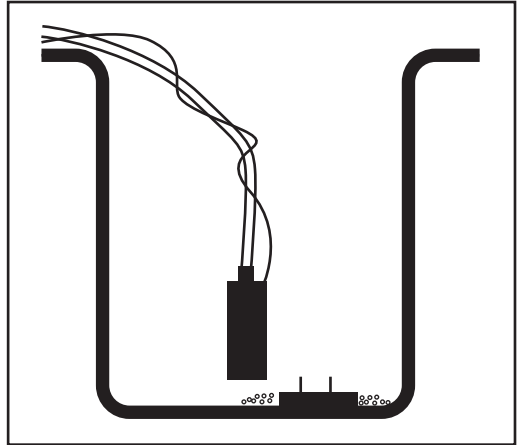


FIG.1

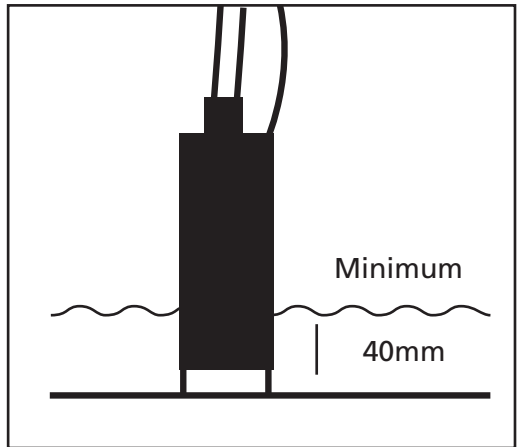


FIG.2

# 9. TROUBLESHOOTING

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## 9.1 TROUBLESHOOTING

**WARNING:** For your safety always turn the main switch on the machine "off" and remove the battery clips from the power supply before carrying out any maintenance or trouble shooting.

<b>Problem</b>	<b>Cause</b>	<b>Remedy</b>
Pump fails to pump	<ol style="list-style-type: none"><li>1. Battery flat.</li><li>2. Battery connection fault.</li><li>3. Debris jammed in impeller.</li></ol>	<ol style="list-style-type: none"><li>1. Re-charge battery.</li><li>2. Re-check battery connections.</li><li>3. Check and extract any debris stuck in impeller.</li></ol>
Pump operates at a reduced flow rate	<ol style="list-style-type: none"><li>1. Impeller aperture blocked jammed impeller.</li></ol>	<ol style="list-style-type: none"><li>1. Check and remove any debris obstructing the impeller aperture or impeller rotation.</li></ol>
Pump turned on but no liquid coming from outlet pipe.	<ol style="list-style-type: none"><li>1. Outlet hose detached from pump outlet aperture.</li></ol>	<ol style="list-style-type: none"><li>1. Check and re-attach hose to pump outlet pipe.</li></ol>

# 10. MAINTENANCE

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## 10.1 MAINTENANCE

After each use the pump and hose should be completely drained of fluids and allowed to dry prior to storage.

The pump body should be cleaned with water and a cloth and the power cable inspected for damage before storing until next use. When storing the kit lightly coat the hose clips in oil to prevent rusting during storage. After use with diesel fuel, it is advisable to run the pump in clean water for a few minutes to flush any residue from the pump.

# 11. EXPLANATION OF SYMBOLS

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## 11.1 EXPLANATION OF SYMBOLS



**WEEE**

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



**Warning!** Read the instruction manual.

# 12. DISPOSAL

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## 12.1 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.





# NOTES

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# CONTACTS

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E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

General Enquiries: (023) 8026 6355

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

KCDH0518

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