

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

You must also read and understand the following instructions concerning electrical safety.

1.1.1. The **Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.

1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**

1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.

1.1.4. Ensure that cables are always protected against short circuit and overload.

1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.

1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.

1.1.7. **DO NOT** pull or carry the appliance by the power cable.

1.1.8. **DO NOT** pull the plug from the socket by the cable.


1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When an ASTA/BS approved UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely**. Fit a new plug according to the following instructions (UK only).

a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**

b) **Connect the BROWN live wire to the live terminal 'L'.**

c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**

d) **After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.**

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.

1.1.10. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.1.11 **Electrical resistance of delivery hose in relation to static electricity.** Hoses with insufficient resistance can cause explosions. In order to deliver fuel without risk the delivery hose should have a resistance of > 1011Ohm. If it is necessary to replace the hose use only the original recommended spare part.

1.2. GENERAL SAFETY

WARNING! Ensure health & safety, government and local authority regulations relating to the transfer of diesel are adhered to when using this equipment. Familiarise yourself with the pumps applications and limitations, and specific potential hazards peculiar to the pump.

DANGER: The electric pump is not protected against explosion and should therefore not be operated in areas where there is a risk of explosion and should only be used to deliver diesel, heating oil and other thin oils.

WARNING! Disconnect the pump from the mains power before demounting, servicing or performing any maintenance.

✓ **Use the pump only to deliver diesel and heating oil at a temperature between -10°C and +35°C. The temperature limits must not be exceeded.**

DANGER: DO NOT use for pumping petrol.

✓ The pump should only be mounted vertically.

✓ Maintain pump in good condition (use authorised service agent). Drain pump and pipes before dismantling.

✓ Maintain correct balance and footing when installing and using the pump. Ensure the floor is not slippery and wear non slip shoes.

✓ Ensure the transfer area is free of clutter and has adequate lighting.

✓ Ensure that the voltage of the pump matches the voltage of the supply.

✓ Keep children and unauthorised persons away from the working area.

✓ Replace/repair damaged parts. Use genuine parts. Unauthorised parts are dangerous and will invalidate warranty.

✗ **DO NOT** smoke whilst handling the pump and fuel.

✗ **DO NOT** operate the pump in areas where there may be flying sparks.

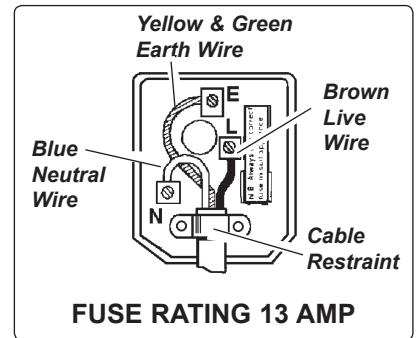
✗ **DO NOT** use the pump without the delivery nozzle attached.

✗ **DO NOT** start or stop the pump by switching on or off at the mains power supply.

✗ **DO NOT** operate the unit with wet hands. We recommend use of diesel resistant gloves and goggles.

✗ **DO NOT** run the pump dry. If this occurs the pump will be damaged and your warranty will be invalidated.

IMPORTANT: It is the installer's responsibility to ensure that all supply pipes, fixtures and fittings are adequate for the safe flow of diesel fuel.



2. INTRODUCTION & SPECIFICATIONS

This diesel and fuel oil transfer pump set is intended for use in a wide variety of situations in agricultural, industrial, marine and transport environments. The pump is available in three versions to cover different voltages : TP97 for 12 volt systems, TP9724 for 24 volt systems and TP97230 for use where mains power is available. The pump unit can be screwed onto storage containers and tanks and has an integral priming lever which can also be used in emergencies to deliver small quantities of fuel in the event of power loss. The low maintenance pump has a high quality, impact resistant housing and built in syphon protection.

Specification	TP97	TP9724	TP97230
Voltage	12V	24V	230V
Frequency	n/a	n/a	50Hz
Current type	DC	DC	single phase AC
Power consumption	14A	10A	1.8A
Performance	180W	240W	320W
Delivery	38 ltr/m	43 ltr/m	52 ltr/m
Max delivery height	9mtr	10mtr	15mtr
Weight	2.5kg	2.5kg	2.5kg

General spec.	
Temperature of delivery medium	-10°C to +35°C
Length of suction hose	1.6mtr
Length of delivery hose	4mtr
Suction height	Max. 2mtr
Container connection	G2" and M64x4
Length of connection cable	2mtr(230V) 3mtr(12/24V)
Protection type	IP24
Noise level	70dB(A)

3. INSTALLATION & ASSEMBLY

3.1 Unpack the product and check that all parts are present with reference to the diagram below. If any items are damaged or missing contact your Sealey dealer immediately.

3.2 ASSEMBLY. (Refer to fig.1)

3.2.1 Push the suction hose (6) onto the suction pipe (8) by at least 20mm. Secure the joint with hose clamp (7).

3.2.2 Cut the suction hose to length bearing in mind that the pump may be mounted to more than one container and that the filter must be always be under the surface of the fuel even when the fuel level is low.

3.2.3 Slide the second hose clamp (5) over the end of the suction hose. Push the suction hose over the suction union on the pump (4). Slide the hose clamp up onto the joint and tighten it.

3.2.4 Assemble the pump to the fuel container. Firstly feed the suction hose into the container until the pump is seated in the aperture then rotate the pump so that it screws firmly down onto the container. The dual thread arrangement on the connector will automatically pick up on either a coarse or fine thread.

3.2.5 Once mounted the head of the pump can be rotated into any position to bring the delivery union into the ideal orientation for connection of the delivery hose.

3.2.6 A rubber washer is attached to the end of the hose that is contained within a spring. Remove the washer and place it inside the nylon union nut. Screw the union nut onto the delivery outlet (14) of the pump and tighten.

3.2.7 Screw the standard nozzle assembly (9) onto the male hose connector (11) on the free end of the delivery hose.

3.2.8 Connect the pump to a suitable power source depending on which model you have. Ensure that the voltage of your pump matches the voltage of your power source. 230V models will have a mains plug attached. The power cables for 12 & 24V models are terminated with battery clips (see fig.1 - 17).

3.3 **INSTALLATION SITE.** It is the responsibility of the owner of the equipment to ensure that the siting of the fuel container and the installation and operation of the pump is carried out in such a way as to prevent any leakages that that could contaminate drinking water for people or animals or water courses. The owner should liaise with local authorities, health and safety and water authorities to ensure that the installation is safe.

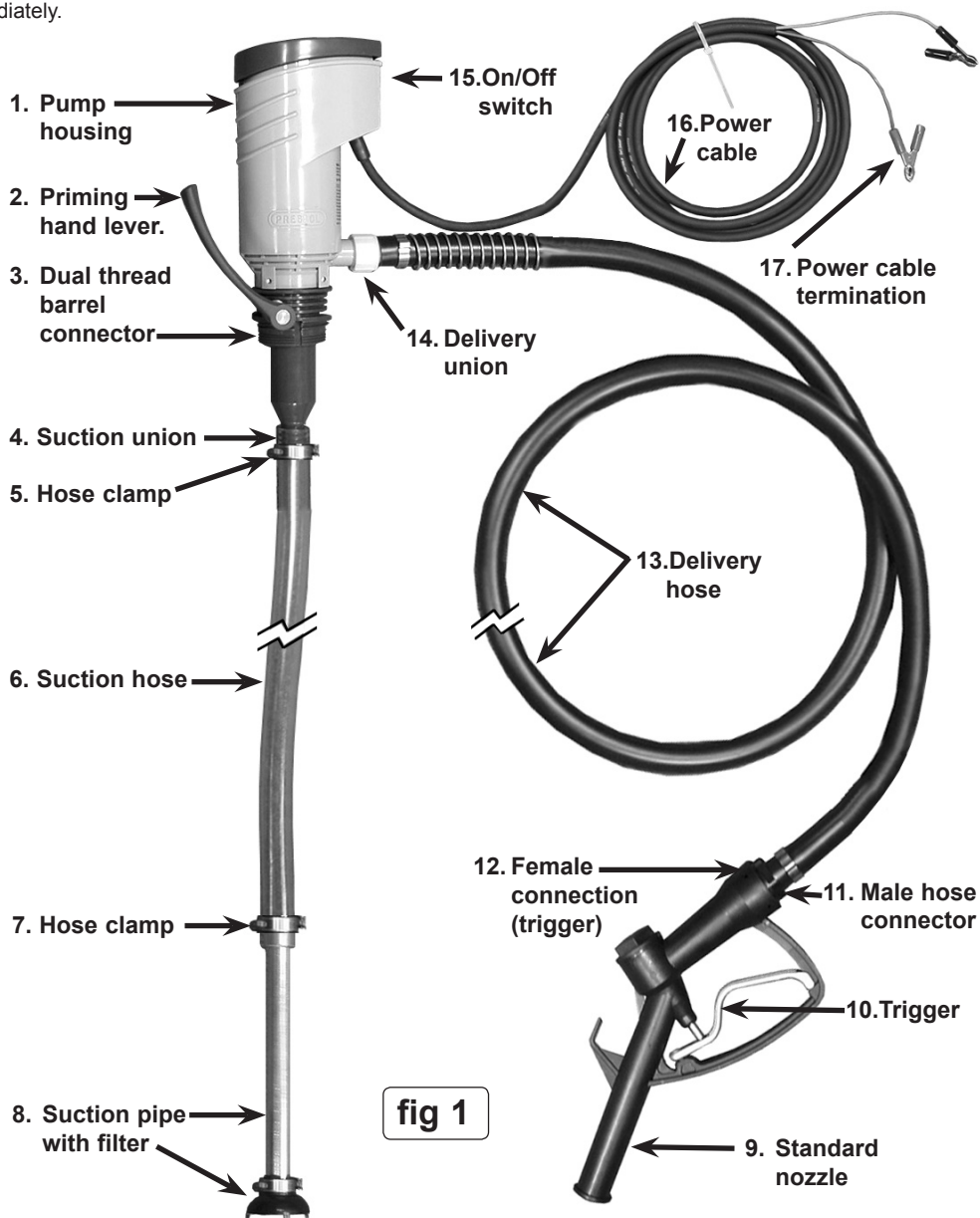


fig 1

4. PRIMING & OPERATION

4.1 PRIMING OF THE UNIT

WARNING! NEVER run the pump in an unprimed condition as this will damage the pump and invalidate your warranty.

4.1.1 Before the pump can be used for the first time it must be primed with fuel using the procedure outlined below.

4.1.2 Place the nozzle into an appropriate collecting container and press and hold the trigger.

4.1.3 Operate the manual priming lever until fuel emerges from the nozzle. Release the trigger.

4.1.4 The pump is now ready to be switched on.

4.1.5 **If the pump is moved from one container to another it must be reprimed before it can be used again.**

4.2 NORMAL OPERATION

4.2.1 Switch on the pump and remove the filler cap from the container or vehicle tank that is to be filled.

4.2.2 Place the nozzle into the tank opening.

4.2.3 Press and hold the trigger until the desired amount of fuel has been dispensed.

4.2.4 Release the trigger, remove the nozzle from the tank and replace the filler cap.

4.2.5 Ensure that the delivery nozzle and hose are safely stowed adjacent to the pump ready for the next delivery.

DANGER! Clean up any spillage in accordance with regulations governing the handling of diesel fuels.

WARNING! DO NOT operate the pump unsupervised.

WARNING! DO NOT allow the pump to run dry. At the end of each delivery the suction filter should always be below the level of the fuel.

WARNING! DO NOT let the pump deliver for more than 5 minutes against a closed nozzle in order to avoid exceeding the permitted operating temperature.

WARNING! Regularly check the delivery hose and connections for damage in order to avoid leakage of fuel.

4.3 EMERGENCY OPERATION

4.3.1 In the event of a power failure it is possible to manually pump very small quantities of fuel using the procedure outlined below.

4.3.2 Place the nozzle into the container or vehicle tank and press and hold the trigger.

4.3.3 Operate the manual priming lever to deliver the fuel.

4.3.4 When the delivery is complete release the trigger and remove the nozzle.

4.3.5 Safely stow the delivery tube and nozzle and replace the filler cap on the container or vehicle tank.

4.4 DEMOUNTING AND REMOUNTING THE PUMP

4.4.1 When demounting the pump in order to place it onto another container or for storage observe the following procedure.

4.4.2 Take suitable precautions to clear up minor spills of fuel that may occur when demounting the pump.

4.4.3 Switch the pump off and disconnect it from the battery or unplug it from the mains power supply.

4.4.4 Before the pump can be unscrewed from the fuel container the delivery hose must be disconnected.

4.4.5 To empty the fuel remaining in the delivery hose firstly place the nozzle into a collection container and hold the trigger open.

4.4.6 Keeping the trigger open begin to loosen the union where the hose is connected to the pump. As the union becomes loose and air enters the pipe the excess fuel should flow into the container. Keep the disconnected end of the hose at a high level and the container at a low level so that all the fuel is emptied from the hose.

4.4.7 Unscrew the pump from the threaded connector on the fuel container and slowly remove the pump with the suction hose and filter attached allowing the fuel to run out completely.

4.4.8 If the pump is then mounted to another fuel storage container it must be primed first before switching on.

4.4.9 If the pump is to be stored even for a short period of time the pump and its hoses should be laid into a clean oil tray in order for all excess fuel to drain out. The pump and hoses should be cleaned and stored in a well ventilated store suitable for product that handles fuel.

5. MAINTENANCE

5.1 The pump has been designed for low maintenance. Should any problems occur return the unit to your local Sealey dealer.

5.2 Clean the entire installation and inspect all piping connections for leaks. Rectify any damage immediately.

5.3 Inspect the filter at the end of the suction tube every time the tank is refilled.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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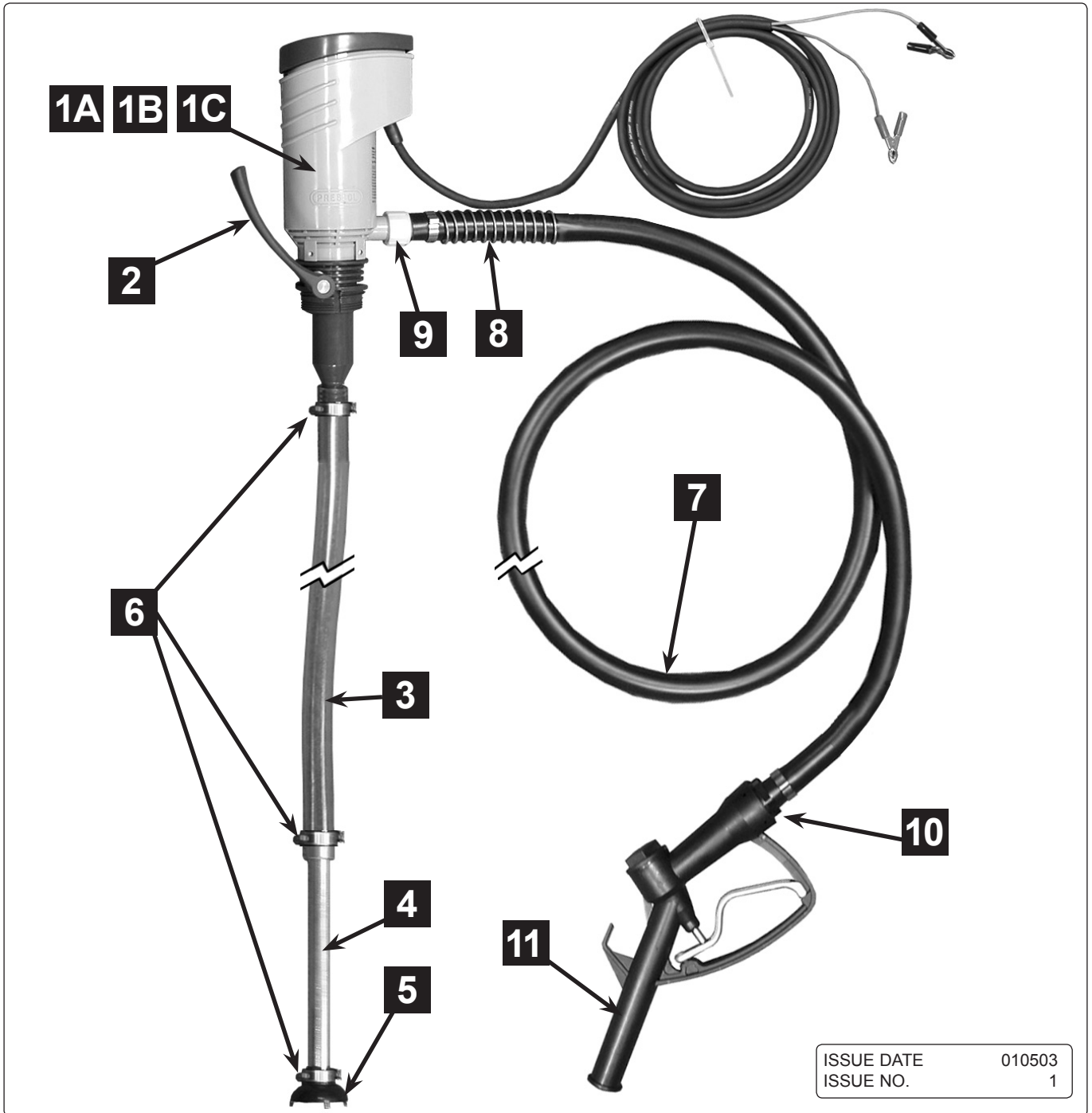
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ISSUE DATE 010503
ISSUE NO. 1

ITEM	PART No.	DESCRIPTION	ITEM	PART No.	DESCRIPTION
1A	179.23710-930	PUMP 12V WITH CABLE AND CASING	6	179.20156	HOSE CLAMP
1B	179.23720-930	PUMP 24V WITH CABLE AND CASING	7	179.87841	DISCHARGE HOSE
1C	179.23731-930	PUMP 230V WITH CABLE AND CASING	8	179.87840	BREAK PROTECTION SPRING
2	179.87988	HANDLE	9	179.87936	HOSE ADAPTOR
3	179.87842	SUCTION PIPE	10	179.23187	PLASTIC ADAPTOR 1" TO 20MM
4	179.87994	SUCTION PIPE	11	179.23161	DIESEL DISCHARGE NOZZLE
5	179.87923	SUCTION FILTER			

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