

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.

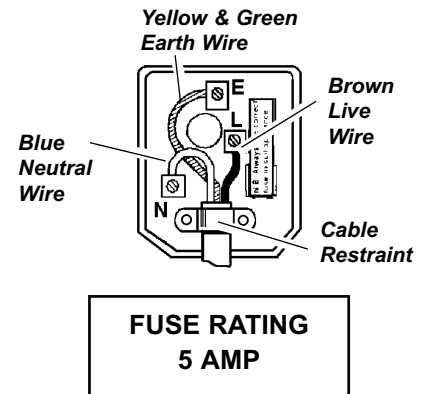
1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

WARNING! It is the user's responsibility to read, understand and comply with the following:

You must check all electrical equipment and appliances to ensure they are safe before using. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in 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.

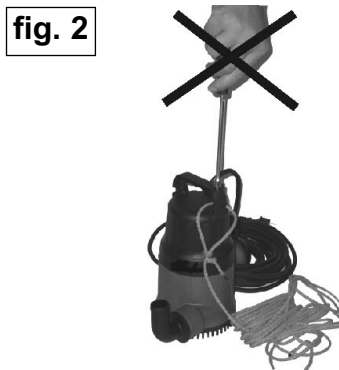
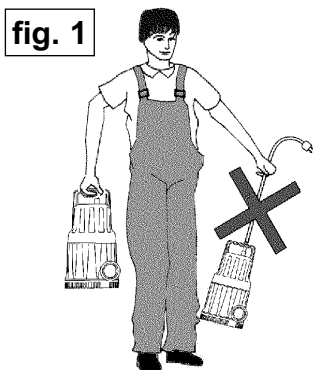
- 1.1.1. The Electricity At Work Act 1989 requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. The pump and cable are designed for submerging in water and as such must not be tampered with (if in doubt, contact a qualified electrician).
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply leads, plugs and all electrical connections for wear and damage, especially power connections, to ensure that none is loose.
- 1.1.6. **Important:** Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13 amp plug may require a fuse smaller than 13 amps for certain products, see fuse rating at right.
- 1.1.7. DO NOT pull or carry the appliance by its power supply lead.
- 1.1.8. DO NOT pull power plugs from sockets by the power cable.
- 1.1.9. DO NOT use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely). (UK only - see diagram at right). **Ensure the unit is correctly earthed via a three-pin plug.**
 - a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**
 - b) **Connect the BROWN live wire to 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.**
- 1.1.10. Only allow the minimal amount of pump cable to enter water or wet areas. The electrical cable is designed for use in water and must not be substituted. If damaged contact a qualified electrician.
- 1.1.11. **Extension cable use. Only use a cable designed for use with water equipment. Contact your dealer or a qualified electrician for advice. Ensure water is kept clear of electrical mains power supply. DO NOT touch switch or plug with wet hands.**



1.2. GENERAL SAFETY

- WARNING!** This pump must be used in accordance with Health & Safety, government, local authority and water authority rules and regulations including appropriate procedures for the protection of persons, animals, equipment and property.
- Familiarise yourself with application, limitations and potential hazards peculiar to the pump.
- WARNING!** Disconnect the pump from the mains power before changing accessories, servicing or performing any maintenance.
- WARNING!** DO NOT have contact with the water whilst the submerged pump is connected to the mains supply.
- Maintain the pump in good condition (use an authorised service agent). Keep the pump clean.
- Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- Only use to pump cold or warm water, (NOT exceeding 35°C). The pump can pass light particles of fibrous material if particles are able to pass through the Ø30mm mesh. DO NOT use to pump sand, stones, or hard materials.
- If the bottom of the water container is covered with heavy sludge, sand, gravel or mud etc, suspend the pump or place it on a raised base to operate above the solid matter. Sand and such materials will reduce the life of the pump and will invalidate your warranty.
- If the pump is used to pump water from a well, drain or deep receptacle, take adequate precautions to prevent persons or animals from falling in.
- Use the integral handle to lower or remove pump. It may be necessary to attach a suitable rope or pulley to the handle.
- In flood situations, user is responsible for ensuring that appropriate back-up procedures, alarms etc. are correctly installed in case of pump failure.
- In swimming pool, fish ponds, etc., ensure location is clear of people and animals (including removal of fish from pond).
Note: This pump is not designed for continuous use in a fish pond or similar water feature.
- DO NOT operate the pump if any parts are damaged or missing as this may cause failure and/or personal injury.
- DO NOT use the pump for any purpose other than for which it is designed.
- DO NOT use to pump chemicals, fuels or salt water.
- DO NOT operate the pump out of water. The pump pick-up area must be completely submerged during operation.
- DO NOT exceed the maximum submersible depth.
- DO NOT operate the pump during freezing temperatures. DO NOT leave the pump in water that may freeze.

- ✗ DO NOT carry the pump by its electrical cable, or outlet pipe. Use the handle only (fig. 1).
- ✓ When not in use switch off pump and remove plug from power supply. Rinse pump, drain out any water and store in a frost free, safe location.
- **WARNING! DO NOT remove the label "Test Made" from the top of the pump and DO NOT tamper with or remove the test screw. To do so will invalidate the warranty (fig. 2).**
- **WARNING! DO NOT allow uncontrolled discharge of contaminated water which would pollute the environment.**



2. INTRODUCTION & SPECIFICATION

Fitted with automatic cut-out, stainless steel motor case and Noryl base cover. Suction pump designed to lift both clean water and 'dense' fluids. Water-cooled motor is suitable for use in compliance with IEC standards and complies with insulation class B IP-X8 standards. Suitable for the effective drainage of cellars, sinks, cisterns, baths and the general transfer of water and dense liquids.

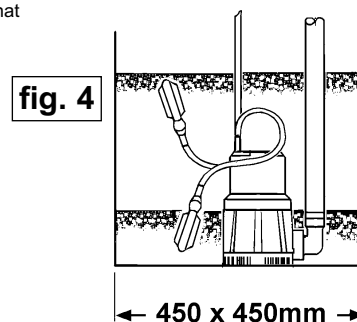
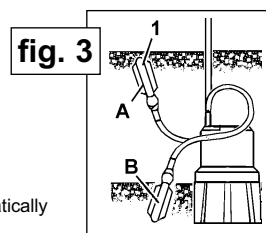
Power	Max Head	Max Flow	Performance Range Head @ Flow	Immersion Depth (Max)	Suction Depth (Min)	Max Particle Size	Outlet Pipe Bore	Max Pump Height & Dia
230V 600W	8.5m	220 l/min	6.4m @ 50 l/min 3.0m @ 140 l/min 1.0m @ 180 l/min	8.5m	36mm	Ø30mm	32mm	296 x Ø145mm

3. OPERATING INSTRUCTIONS

- **WARNING! Ensure that you read, understand and apply the safety instructions in Section 1.**
- 3.1. Fit a discharge pipe to the pump outlet and secure with a clip. Ensure that the diameter of the discharge pipe is the same as, or is greater than, the pump outlet diameter as a smaller pipe will adversely effect the pump flow rate.
 - 3.2. Position the pump in the water and secure the outlet pipe in the discharge receptacle or area.
 - 3.3. The pump should be initially submerged with the discharge outlet facing up to release any trapped air.
 - 3.3. The float (fig. 3.1) will automatically turn pump on as the level of water rises (A). As water level lowers, the float will automatically switch the pump off as it reaches the minimum level (B). The float may be adjusted by shortening or lengthening the cable.
 - 3.4. Plug the pump into the electrical mains supply and switch on. The pump will run if the water level is up to or above the length of the float cable. To function correctly the float must move freely. Ensure that the float can do so and that the cable is not restricted. Check that the pump and discharge are working correctly.

Note: See fig. 4 to determine minimum clearance required if using pump in a restricted area i.e. well etc.

- 3.5. The water into which the pump is placed will act as the motor coolant. For this reason the pump must remain submerged at all times. Should the pump have to be used in shallow water, DO NOT operate it for more than 10 minutes. Failure to follow this rule will damage the unit and will invalidate your warranty. If for any reason the motor should overheat a thermal circuit breaker will automatically activate and stop the pump. If this happens, switch the mains power off and unplug. Check reason for overheating and remedy the problem. Should the pump not be switched off, the motor will remain off for approximately 5 minutes and, when cooled, will automatically switch on again.



4. MAINTENANCE

- **WARNING! With the exceptions listed below, all pump, float and electrical cable service maintenance and repair must be undertaken by an authorised service agent only. Failure to observe this rule may be dangerous and will invalidate your warranty.**
- **WARNING! Ensure that the pump is disconnected from the mains power supply before attempting any service or maintenance.**

- 4.1. Keep all parts of the pump clean. Rinse, drain and allow to dry before storing pump.
- 4.2. Regularly check the water inlet on the base of the pump to ensure there are no blockages. To access the impeller carefully undo the base hex headed screws and remove base. Clean impeller and replace base ensuring that the O-ring is correctly located. DO NOT dismantle any other part of the unit.

Note: The pump has a self lubricating oil-less motor, but a small amount of sealant is used to seal the unit. Should the pump seal be damaged the sealant may leak and appear as a oily film on the surface of the water. The sealant is harmless to humans, but may effect pond life. In such an eventuality, switch the pump off, remove it from the water and clear the oily film. Contact your local Sealey service agent for pump repair.

TROUBLESHOOTING

a. The thermal circuit breaker cuts in as the motor has overheated.	1. The water level is too low. 2. Intake blocked, impeller jammed. 3. Temperature of inlet water exceeds 35°C.	1. Sink the pump deeper, or allow to cool before continuing use. 2. Check and clean. 3. Reduce water temperature. Allow the pump to cool for approx 25minutes before restarting.
b. Motor operates but there is no flow.	1. Water level below min suction depth. 2. Air bubbles in pump accumulated during submersion, or because float is incorrectly positioned so pump does not stop at minimum level and sucks in air. 3. Clogged intake filter or discharge pipe.	1. Stop the pump. 2. Release air by inclining the pump and re-immersing it in water. 3. Remove blockage and clean the unit.
c. Reduced flow for level of water.	1. Discharge pipe bent, or pinched. 2. Discharge pipe too narrow. 3. Pump partially blocked.	1. Straighten pipe. 2. Use larger diameter pipe. 3. Clean pump.
d. The pump will not start or suddenly stops during operation.	1. No electrical power. 2. Float switch fault. 3. Circuit breaker has triggered. 4. Impeller is jammed.	1. Check cable, plug and fuse. 2. Contact authorised service agent. 3. See (a) above. 4. Clean the pump.

5. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following standards and directives.

SUBMERSIBLE WATER PUMP
Model: **SDW50A**

73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive



The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

4th September 2002

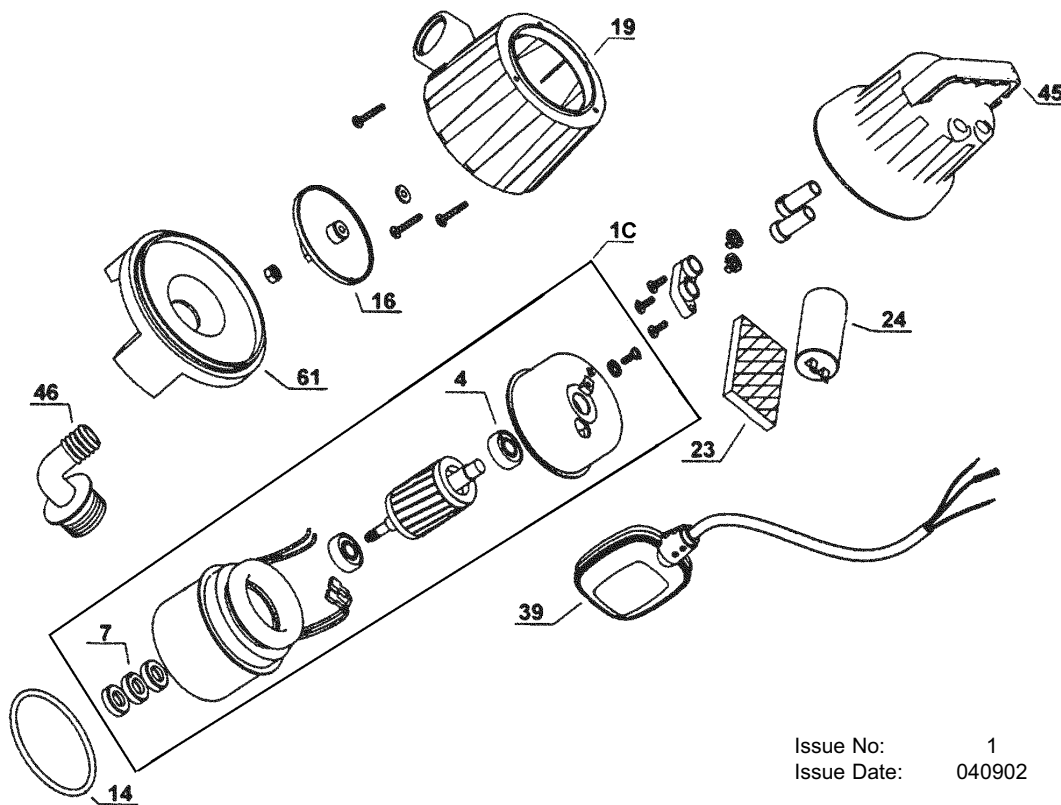
For Jack Sealey Ltd.
Sole importer into the UK
of Sealey Power Products.

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 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.



PARTS LIST FOR: WATER PUMP MODEL: **SDW50A**



Issue No: 1
Issue Date: 040902

Item	Part No.	Description	Item	Part No.	Description
1C	EL3001C	Complete Motor	23	EL10023	Sponge
4	EL10004	Bearing	24	EL10024	Capacitor
7	EL10007	Oil Seal	39	EL10039	Switch
14	EL1014E	O-ring	45	EL10045	Upper Body
16	EL40016	Impeller	46	EL10046	Connector
19	EL20019	Pump Body	61	EL50061	Suction Base

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