SUBMERSIBLE CLEAN WATER PUMP 230V

MODEL NO'S:**WPC235A.V3, WPC250A.V2**

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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

Refer to instructions

1. SAFETY

1.1. ELECTRICAL SAFETY

❑ **WARNING!** It is the user's responsibility to check the following:
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.
If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.
Electrical safety information, it is important that the following information is read and understood.

1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.

1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.

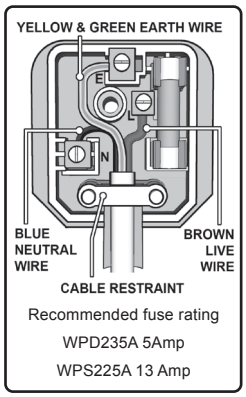
1.1.3. **Important**: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.

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

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

× **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.

1.1.4. This product is fitted with a BS1363/A 3 pin plug.
If the cable or plug is damaged during use, switch the electricity supply and remove from use.
Ensure that repairs are carried out by a qualified electrician.
Replace a damaged plug with a BS1363/A 3 pin plug. If in doubt contact a qualified electrician.
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'.
Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.
Sealey recommend that repairs are carried out by a qualified electrician.



Recommended fuse rating
WPD235A 5Amp
WPS225A 13 Amp

1.1.5. 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.

1.1.6. Ensure water is kept clear of electrical mains power supply. **DO NOT** touch switch or plug with wet hands.

1.2. GENERAL SAFETY

❑ **WARNING!** Pump must be used in accordance with Health & Safety, government, local authority, and water authority rules and regulations.
For cleaning and other maintenance to a swimming pool:

✓ The pump must not be used when people are in the water.

✓ The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA.

✓ The pump is to be supplied by an isolating transformer or supplied through a residual current device having a rated residual operating current not exceeding 30mA.

✓ Familiarise yourself with application and limitations, as well as the specific potential hazards peculiar to the pump.

❑ **WARNING!** Disconnect the pump from the mains power before changing accessories, servicing or performing any maintenance.

✓ Maintain the pump in good condition (use an authorised service agent). Keep the pump clean.

✓ If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agents.

✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*

✓ Only use for pumping liquids under 35°C.

✓ **CAUTION** in order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

✓ If pump is used to pump water from a well, drain or deep receptacle, take adequate precautions to stop persons or animals from falling in.

✓ Use the built-in handle to lower or raise the pump. It may be necessary to attach a suitable rope or pulley to the handle.

✓ If the bottom of the water container is covered with 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 substances will reduce working life of pump, and invalidate your warranty.

✓ The pump is to be located where flooding can not occur.

✓ 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 pools, fish ponds, etc, ensure location is clear of people and animals, including removal of fish from pond.
- × This pump is not designed for continuous use in a fish pond or similar water feature or display.
- × **DO NOT** operate the pump if any parts are damaged or missing as this may cause failure and/or possible personal injury.
- × **DO NOT** use the pump for any purpose other than for that which it is designed.
- × **DO NOT** use to pump chemicals, fuels or salt water.
- × **DO NOT** insert hands into the mouth of the pump as this could lead to injury.
- × **DO NOT** use to pump septic tanks or settling pits. **DO NOT** pump any liquids other than 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 - see specifications.
- × **DO NOT** operate the pump during freezing temperatures. **DO NOT** leave the pump in water that may freeze.
- × **DO NOT** use in swimming pools if people could come into contact with the water whilst pump is in use.
- × **DO NOT** use for pumping sea water or inflammable, corrosive, explosive or dangerous liquids.
- × **DO NOT** carry the pump by its electrical cable, or outlet pipe. Use the handle only.
- × 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 allow uncontrolled discharge of contaminated water which would pollute the environment.**
  Children from age 8 years and above, persons with reduced physical, sensory or mental capabilities, those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance In a safe way to understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance on the appliance shall not be maintained by children without supervision.

2. INTRODUCTION

WPC100.V3: Manufactured from corrosion resistant materials with steel motor case and polypropylene base cover. Max. Output: 100L(22gal)/min, Max. Head: 6m. Minimum water depth of just 5mm. Designed for clean water although this pump will accept small particles up to 5mm. Suitable for the effective drainage of cellars, sinks, cisterns, baths and the general transfer of water.
WPC235A.V3: Manufactured from corrosion resistant materials with steel motor case and polypropylene base cover. Minimum water depth of just 5mm. Designed for clean water although this pump will accept small particles up to 5mm. Automatic low water cut-out. Suitable for the effective drainage of cellars, sinks, cisterns, baths and the general transfer of water.
WPC250A.V2: Manufactured from corrosion resistant materials with steel motor case and polypropylene base cover. Minimum water depth of just 5mm. Designed for clean water although this pump will accept small particles up to 5mm. Automatic low water cut-out. Suitable for the effective drainage of cellars, sinks, cisterns, baths and the general transfer of water.

3. SPECIFICATION

Model No.	WPC235A.V3	WPC250A.V2
Cut out	Automatic	Automatic
Maximum head	8.5m	9.5m
Maximum output/min	217L/min	250L/min
Maximum particle size	5mm	5mm
Maximum water depth	7m	7m
Minimum water depth	5mm	5mm
Motor power	750W	900W
Outlet OD	25mm/38mm	25mm/38mm
Supply	230V	230V

4. BEFORE USE

4.1. Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.
4.2. The pump can be connected to any shock-proof plug which has been installed according to regulations in force.

- ❑ **WARNING!** When the pump is to be used near swimming pools or garden ponds and in their area of protection, it must be equipped with a PRCD (residual current circuit breaker) with a nominal trip current of max.30mA . The pump must not be operated while people are in the swimming pool or in the garden pond. Please contact your electrician.
- ❑ **WARNING!** (Important for your own security) Before starting to run your new submersible pump, please have the following items checked by an electrician:
  • Ground connection
  • Zero conductor
  • Fault current breaker switch must correspond the safety regulations in force in that region.
  They must work faultlessly.

4.3. The electrical connections must be protected from moisture.
4.4. If there is danger of flooding, the electrical connections must be taken to higher ground.
4.5. Circulation of aggressive fluids, as well as the circulation of abrasive materials must be avoided at all costs.
4.6. The submersible motor-driven pump must be protected from frost.
4.7. The pump must be protected from running dry.
4.8. Access on the part of children should also be prevented with appropriate measures.
4.9. These submersible pumps is designed for the circulation of water with a maximum temperature of 35° C. This pump may not be used for other fluids, especially motor fuels, cleaning fluids, and other chemical products.

5. INSTALLATION

5.1. The submersible pump is installed as follows:
- In a stationary position with fixed pipeline or
- in a stationary position with a flexible hose pipe.

NOTE: Never install the pump by suspending it unsupported from its delivery pipe or power cable. The submersible pump must be suspended from the specially provided handle or be placed on the bottom of the shaft.

5.2. To guarantee that the pump works properly, the bottom of the shaft must be kept free of sludge and dirt of all kinds. If the level of water sinks too far, any sludge in the shaft will dry out quickly and stop the pump from starting up. Therefore it is necessary to check the submersible motor pump regularly (by carrying out start-up tests).

5.3. The float switch must be adjusted in a way that the pump can start immediately.
NOTE: The pump shaft should have minimum dimensions of 40 x 40 x 50 cm, so that the floating switch can move freely.

5.4. **MAINS SUPPLY**

5.4.1. Submersible pump is equipped with a shock-proof plug according to regulations. The pump is designed to be connected to a 230V - 50 Hz earthed socket. Make sure that the socket is sufficiently secured {min. 6 Amp.) and is in excellent condition.

5.4.2. Important Note! If the mains cable or plug suffers any damage from external action, repairs to the cable should be serviced by a qualified specialist using genuine spare parts.

5.5. Fit appropriate discharge pipe to pump outlet and secure with clip. Ensure the diameter of the discharge pipe is the same as, or greater than, the outlet diameter. A smaller pipe will adversely effect the pump flow rate.

6. OPERATION

6.1. After having read these instructions carefully, you can set your pump to work, after checking the following:
- Check if the pump rests on the ground of the shaft.
- Check of hose has been attached properly.
- Check if electrical connection is to correct specification.
- Check if socket is in good condition.
- Make sure that water and humidity can never come to the mains supply.
- Avoid pump running dry.

6.2. **VENT THE PUMP BEFORE USE**

6.2.1. Always ensure that the pump is vented properly before commissioning the pump. Tilting back and forth several times until no more air bubbles appear, wait at least 15 seconds before starting pump.

6.3. **ADJUSTING THE ON/OFF OPERATING POINT**

6.3.1. The ON and OFF operating point of the float switch can be set by adjusting the float switch in its holder.

6.3.2. Before you put the pump into operation, please check the following:
- The float switch must be installed so that the level of the ON operating point and the level of the OFF operating point can be reached easily and with little force. To check this, place the pump in a vessel filled with water, raise the float switch carefully by hand and then lower it again. Note whether the pump switches on and off.
- Make sure that the distance between the float switch head and the holder is not too small. Proper operation is not guaranteed if the gap is too small.
- When you set the float switch, make sure that it does not touch the base before the pump switches off.

6.4. **CAUTION! RISK OF DRY-RUNNING**

6.4.1. The water into which the pump is placed will act as the motor cooling agent. For this reason the pump must remain submerged at all times. Should the pump have to be used in shallow water **DO NOT** operate for more than 10 minutes. Failure to follow this rule will damage the unit and will invalidate your warranty.
This appliance cannot be used by children or people who are physically, mentally or developmentally impaired, or people who lack experience or knowledge, except in case these people receive instruction from a person responsible for their safety, a supervisor, or by studying the preceding instructions concerning use of this appliance.
NOTE: Refer to Specification section to determine minimum clearance required if using pump in a restricted area i.e. well, etc.

7. MAINTENANCE

❑ **WARNING! With the exception listed below, all pump, float and electrical cable service maintenance and repair must only be undertaken by an authorised service agent. Failure to observe this rule may be dangerous and will invalidate your warranty.**

❑ **WARNING! Ensure the pump is disconnected from the mains power supply before attempting any service or maintenance.**

7.1. When the pump is often transported in the course of operation, it should be cleaned out with clear water after every use.

7.2. In case of stationary installation, the function of the floating switch should be checked every 3 months.

7.3. All fibrous particles which may have built-up inside the pump housing should be removed with a water jet.

7.4. Every 3 months the shaft ground and as should be cleaned of mud.

7.5. Remove deposits on the floater with clear water.

7.6. **CLEANING THE IMPELLER**

7.6.1. If excessive deposits collect in the pump case you must dismantle the bottom part of the pump as follows:
1. Remove the intake cage from the pump case.
2. Clean the impeller with clear water.

Important! DO NOT put down or rest the pump on the impeller!

3. Re-assemble in reverse order

× **DO NOT** dismantle any other part of the unit.

8. STORAGE

8.1. Thoroughly clean the whole machine and its accessories.

8.2. Store out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.

8.3. Protect it from exposure to direct sunlight. Keep it in the dark, if possible.

× **DO NOT** keep pump in a plastic bag to avoid a build up in humidity.

9. TROUBLESHOOTING

Problem	Causes	Remedy
Pump does not start	No mains supply Float does not switch	Check for mains supply Bring floater to a higher position
No flow	Inlet sieve is blocked Pressure hose is bent	Clean inlet Reset hose
Pump does not switch off	Floater can not sink down	Place pump properly on the shaft, well etc. floor
Insufficient flow	Inlet sieve is clogged Reduced pumping capacity due to dirty and abrasive water	Clean inlet sieve Clean pump and replace worn out parts
Pump shuts off after a short operating period	Thermal cut out stops pump due to dirty water Water too hot Thermal cut out stops pump	Remove mains plug Clean pump and shaft Ensure that max. water temperature of 35°C is not exceeded

ENVIRONMENT PROTECTION
Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

REGISTER YOUR PURCHASE HERE

WEEE REGULATIONS
Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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