



417L/MIN HIGH FLOW AUTOMATIC SUBMERSIBLE DIRTY WATER PUMP

MODEL NO: **WPD415**

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. You may obtain an RCD by contacting your local Sealey Stockist.

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 is replaced immediately by a qualified electrician.

- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.

If the cable or plug is damaged during use, switch the electricity supply off and remove from use.

Ensure that repairs are carried out by a qualified electrician.

Replace a damaged plug with a BS1363/A 13 Amp 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'.

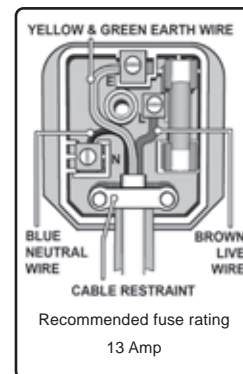
Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

Sealey recommend that repairs are carried out by a qualified electrician.

1.2. GENERAL SAFETY

- ❑ **WARNING!** Pump must be used in accordance with Health & Safety, government, local authority, and water authority rules and regulations.

- ✓ 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.
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ 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.
- ✓ In swimming pools, 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 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, salt water, explosive, corrosive, inflammable or health-hazardous substances, dangerous liquids or faecal matter.
- × **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** use with liquids containing abrasive materials (e.g. sand) or containing mixtures of dirt, sand, mud or clay.
- × **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** pump liquids over 35°C in temperature.
- × **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.
- × **DO NOT** touch the mains plug with wet hands.
- × **DO NOT** kink, crush, drag or drive over the mains cable and protect it from sharp edges oil and heat.



- ✗ **DO NOT** use extension cables.
- ✓ Always disconnect from the mains supply before attempting any maintenance etc.
- ✓ 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.

2. INTRODUCTION

Manufactured from heavy-duty corrosion resistant materials with stainless steel motor case and polypropylene base cover. Capable of operating in dense and dirty water with a maximum particle size of 40mm. High flow rate up to 25000L/hr (417L/min). Fitted with an automatic cut-out, which can be set at multiple heights using an innovative cable fixed mounting bracket. Minimum water depth of 53mm. Suitable for the effective drainage of cellars, sinks, cisterns, baths and the general transfer of water and dense liquids.

3. SPECIFICATION

Model No:.....WPD415
 Cut-Out: Automatic
 Maximum Head:..... 11m
 Maximum Output/Min: 417L(92gal)
 Maximum Particle Size:..... 40mm
 Maximum Water Depth:..... 7m
 Minimum Water Depth:..... 53mm
 Motor Power:..... 1300W
 Outlet OD:..... Ø51mm
 Supply:.....230V

4. INSTALLATION & OPERATION

4.1. PREPARATION FOR USE

- 4.1.1. Attach a sufficiently long and strong rope to the handle before first use. The pump is submerged into the liquid on this holding rope and can also be carried with it as well as the handle.

- ✗ **DO NOT** suspend unit from power cable.
NOTE: With continuous use of the pump, the condition of the rope must be regularly checked as it can decay and break over time.

4.2. CONNECT PRESSURE PIPE

- 4.2.1. For occasional use, use a suitable water hose.
 4.2.2. The use of rigid pipes with a non return valve is recommended for use at a fixed location. This prevents return flow of liquid when switching off.
 4.2.3. Screw the pressure line onto the pressure connection.
 4.2.4. All threaded connections must be sealed with thread sealing tape.

- 4.2.5. When using a hose, screw a suitable hose adaptor onto the pressure connection. Push the hose firmly onto the hose adaptor and secure with a hose clamp.

4.3. INSTALLATION

- 4.3.1. The pump needs an area of at least 50 x 50cm (the float switch must be able to move freely so that it functions properly).
 4.3.2. The pump can be submerged under water to the submerged operating depth of 7metres.
 4.3.3. Install the pump so that the suction openings cannot be blocked by foreign bodies (place the appliance on a firm, even base if necessary).
 4.3.4. Ensure that the pump is stable.
 ✗ **DO NOT** lift the pump with the cable or the pressure hose as these are not designed for the tensile stress from the weight of the pump.
 4.3.5. Submerge the pump at an angle into the liquid to be delivered, so that no air pocket forms on the underside of the appliance. Suction would be prevented by this. Once the pump is submerged, it can be righted again.
 4.3.6. Leave the pump at the bottom of the liquid container. Use a strong rope attached to the carrying handle of the pump for lowering.
 4.3.7. Tighten the end of the rope firmly after lowering.
 4.3.8. The pump can also be operated whilst suspended on a rope.

NOTE: For operation whilst suspended on the rope, **DO NOT** operate without the pressure hose. Avoid the pump twisting round its longitudinal axis.

4.4. OPERATION

- 4.4.1. Connect the pump to mains supply.
 □ **WARNING!** The float switch must be able to move so that the submersible pump cannot run dry. Doing so would cause damage to the unit.

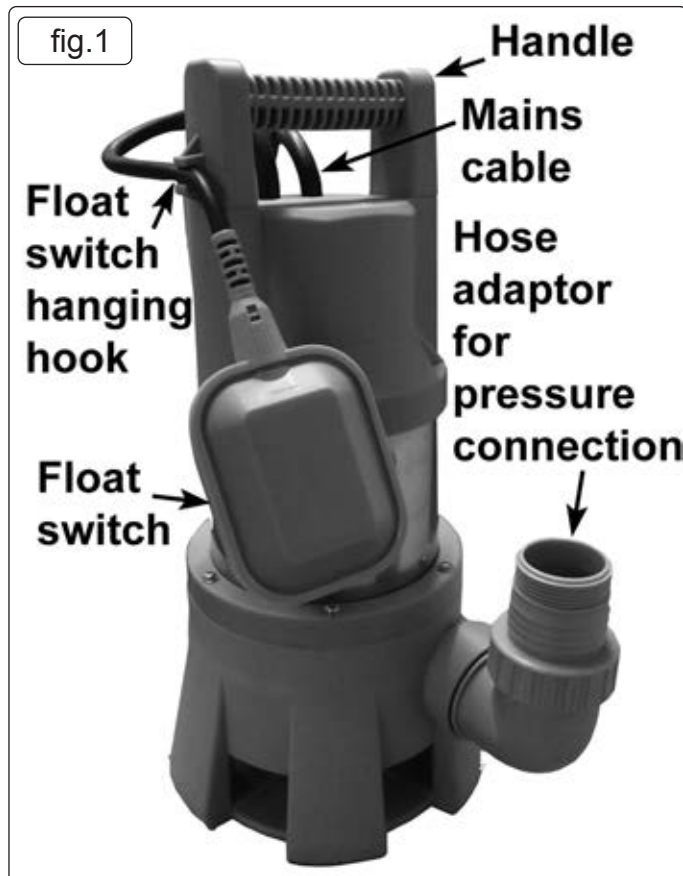
5. MAINTENANCE

5.1. BEFORE EVERY USE:

- Check casing and cables for damage.
- Check float switch for damage - lift and shake the switch to check the free movement of the contained metal balls.

5.2. AFTER EVERY USE:

- Clean the appliance: rinse with clean water, remove stubborn contamination with a brush and detergent. Submerge the pump in a container with clean water and switch on for a short time to rinse the inside of the pump. Clean the suction area, see below.



5.3. CLEANING THE SUCTION AREA

5.3.1. Clean all accessible parts of the inside of the casing. Remove fibres which have wound round the rotor shaft by opening the pressure connection. Remove stubborn contamination with a brush and detergent.

NOTE: Before using the pump again, first 'soak' it so that any possible dirt residues do not block the pump.

6. STORAGE

6.1. If there is a risk of frost, dismantle the pump and accessories, clean and store them in a place protected from frost.

7. TROUBLESHOOTING

Fault	Cause	Solution
Pump does not run.	No mains voltage?	Check cables, plug, socket and fuse.
	Motor overheats due to: - liquid temperature too high - pump blocked by foreign bodies	Eliminate the cause of the overheating of the liquid (max. temperature of liquid able to be pumped is 35°C).
	Residual current circuit breaker (RCCB) triggered.	Activate RCCB. Contact qualified electrician if RCCB triggers again.
	Motor defective.	Contact Sealey service.
Pump runs but does not pump.	Suction openings blocked.	Rectify blockage.
	Pump draws in air.	Keep the pump at an angle while submerging. Switch the pump on and off several times in order to expel air.
	Pump blocked by foreign bodies.	Clean the pump suction area.
Delivery rate low	Delivery height too great.	Comply with specifications (8m max. head)
	Pressure line diameter too small.	Use pressure line with larger diameter.
	Pressure line blocked.	Rectify blockage.
	Suction openings blocked.	Clean suction opening.
	Pressure line kinked.	Straighten pressure line.
	Pressure line leaks.	Seal pressure line, tighten threaded connections
Pump runs very loudly.	Pump draws in air.	Ensure there is sufficient liquid present.
		Keep the pump at an angle while submerging.



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.



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.

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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