



SURFACE MOUNTING BOOSTER PUMP

STAINLESS STEEL 55LTR/MIN 230V

MODEL NO: **WPB062S.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
Instruction
Manual

1. SAFETY

1.1. ELECTRICAL SAFETY

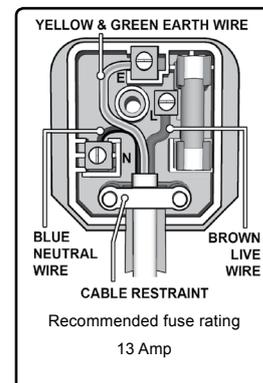
- **WARNING!** It is the user's responsibility to check the following:
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey stockist.
If the pump 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 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 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 the application, limitations and potential hazards peculiar to the pump.
 - **WARNING!** Disconnect the pump from the mains power before 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.*
 - ✓ Only use for pumping cold or warm water (**NOT** exceeding 35°C).
 - ✓ If used in situations of possible flooding, user is responsible for installing appropriate back up procedures, alarms etc. in case of pump failure.
 - ✓ If used with swimming pools, fish ponds, etc., ensure areas are clear of people and animals (including removal of fish from ponds).
NOTE: That 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 which it is designed and **DO NOT** modify it in any way.
 - * **DO NOT** use to pump chemicals, fuels, fatty liquids or salt water.
 - * **DO NOT** pump sludge, sand, gravel, mud, or fibrous materials. Ensure the inlet hose will **NOT** pick up any solid materials. Sand and such substances will reduce working life of pump, and invalidate your warranty.
 - * **DO NOT** use to pump septic tanks or settling pits.
 - * **DO NOT** submerge the pump or the electrical cable in water. Protect the pump from external wet conditions.
 - * **DO NOT** operate pump during freezing temperatures. **DO NOT** allow any part of the pump or pipes to freeze.
 - * **DO NOT** carry pump by the cable, or piping. Only use the handle.
 - ✓ **DO NOT** use the device in a location where there is a danger of explosion or in the vicinity of flammable liquids or gases.
 - ✓ Make sure the work area is tidy and well lit.
 - ✓ Keep children and bystanders away from the work area.
 - * **DO NOT** operate pump whilst tired or under the influence of alcohol, drugs or medication.

- ✓ Maintain correct balance and footing, wear non slip shoes whilst positioning the pump.
- ✗ **DO NOT** point the water discharge towards another person, electrical wiring or equipment.
- ✓ Make sure that the pump is correctly positioned to prevent movement during use. Ensure that the area around the pump is kept clear.
- ✓ 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, thus polluting the environment.**

NOTE: This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

2. INTRODUCTION

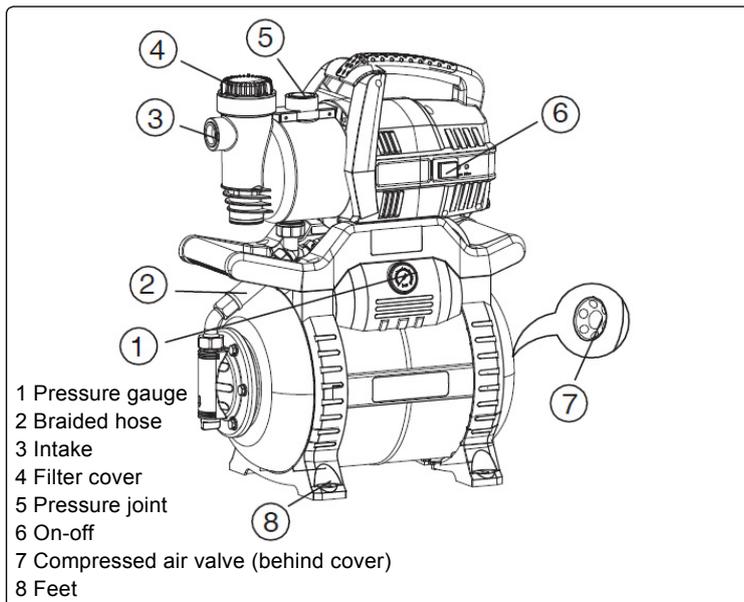
Manufactured from heavy duty corrosion resistant materials in a combination of stainless steel and polypropylene. Ideal for boosting or maintaining water pressure within the home or garden water supply. Fitted with automatic pressure cut off and non return valve. Integrated regulator and pressure gauge. Suitable for lifting water up to 8 metres. Features 4 stable feet which can be securely mounted and a removable filter for easier maintenance. The 24ltr pressure tank provides constant pressure.

3. SPECIFICATIONS

Model no: WPB062S.V2
 Cut out: Automatic
 Outlet: 1" BSP
 Maximum output: 55lt/min
 Maximum head: 38m
 Maximum suction height: 8m
 Maximum particle size: 1mm
 Motor power: 800W
 Supply: 230V
 Tank size: 24lt
 Weight: 13.5Kg

4. SET UP

- 4.1. The pump must be placed on a horizontal, level surface that is capable of supporting the total weight of the device when filled with water.
- 4.2. To prevent vibrations, the pump should be placed on an elastic base support e.g. a rubber mat.
- 4.3. For stationary use, the device can be screwed down firmly to the base with 4 screws.
- 4.4. When being used on garden ponds and swimming pools, the pump must be set up so as to guard against overflowing and protect against falling in.
- 4.5. The installation site must be well ventilated and protected from the effects of weather.
- 4.6. When operating indoors you must ensure that there is a drain in the floor or a leak prevention mechanism.
- 4.7. Before starting up, check the suction hose to ensure that it is sealed. Bubbles of air in the suction hose are an indication that there may be leaks and may lead to failure of the pump.
- 4.8. **CONNECT SUCTION LINE**
 - **WARNING! Danger of damage to the pump.**
The suction line must be installed so that it does not exert any mechanical force or tension on the pump.
If the conveying medium is contaminated, a suction filter must be used to protect the pump from sand and dirt.
- NOTE:** A check valve is recommended so that the water does not run off when the pump is shut off.
- 4.9. All connections must be sealed with thread sealing tape or paste, e.g. Teflon tape. Leaks cause air exhaust and reduce or prevent water exhaust.
- 4.10. The suction pipe should have an internal diameter of at least 25 mm; it must be kink resistant and suitable for vacuum use.
- 4.11. The suction line should be as short as possible, since the conveying capacity decreases as the length of the line increases.
- 4.12. The suction line should ascend steadily toward the pump to prevent air pockets.
- 4.13. Sufficient water supply must be assured; the end of the suction line must always be in water.
- 4.14. **CONNECT PRESSURE LINE**
 - **WARNING!** The suction line must be installed so that it does not exert any mechanical force or tension on the pump.
- 4.15. All connections must be sealed with thread sealing tape, e.g. Teflon tape, leaks cause air exhaust and reduce or prevent water exhaust.
- 4.16. All components of the pressure line must be compression-proof.
- 4.17. The device can also be connected firmly to a pipe system (e.g. for domestic water supply in the interior). In this case, the device should be connected to the pipe system with elastic high-pressure flexible hose lines in order to prevent vibrations.
 - **WARNING!** Risk of injury. If the components are not compression-proof or if they are improperly installed, the pressure line could burst during operation.
- NOTE:** The pump must not be used for drinking water supply.
- 4.18. **ELECTRICAL CONNECTION**
 - ▲ **DO NOT operate the pump in wet surroundings.**
- 4.18.1. The device may only be operated under the following conditions:
 - The device may only be connected to outlets with protective contacts that have been professionally installed, grounded and inspected.
 - Mains voltage and fuse protection must comply with the technical data.
 - When operating in swimming pools, garden ponds and similar places, the device must be provided with a residual current of not more than 30 mA by means of a residual-current-operated protective device.



- When operating outdoors, the electrical connections must be splash-proof; they must not lie in water.
- Extension cords must have sufficient wire cross section; cable drums must be completely unwound.

5. OPERATION

5.1. FILLING AND INTAKE SUCTION

- ❑ **WARNING!** Danger of damage to the pump. The pump should be filled with water after each new connection or in the event of water loss or air intake. Extended operation without a water refill (unsupervised dry run) will destroy the pump.
- 5.1.1. Unscrew Pump cover. (6)
- 5.1.2. Fill completely with water.
- 5.1.3. Reinstall filter and screw Pump cover and seal back on.
- 5.1.4. If you want to shorten the intake time, fill the suction line as well.
- 5.1.5. Open pressure line (turn on water spigot or nozzle), so that air can escape during intake.
- 5.1.6. Switch the device on.
- 5.1.7. When water runs out evenly, turn the device off.

NOTE: A check valve is recommended between the pump and the suction line, so that the water column remains in the suction line. A suction filter is recommended for better suction performance.

5.2. OPERATION

- 5.2.1. Pump and suction line must be connected and filled.
 - ❑ **WARNING!** Danger of damage to the pump. The pump must not be allowed to run dry. Sufficient conveying medium (water) must be on hand at all times.
 - ❑ **WARNING!** Danger of damage to the pump. If the domestic water supply is installed directly in the water distribution network, it is important to note that the water pressure from this network is added to the pump pressure. A total pressure of 6 bar must not be exceeded.

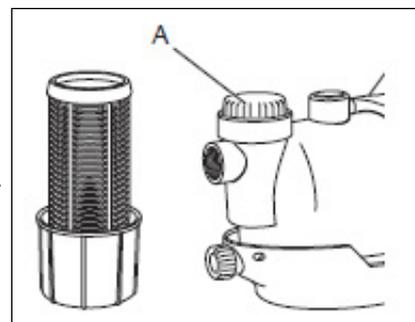
NOTE: The pressure tank includes a rubber bellows, which is under air pressure set by the manufacturer, at 3.8 bar. This enables small amounts of water to be removed without starting up the pump.
- 5.2.2. Check the pressure before operating the pump and increase it if necessary, see Increase Preliminary Filling Pressure, section 6.1. The pump must not be placed in direct sunlight since this could, under certain circumstances, result in too high a pressure.
- 5.2.3. Plug in the mains plug.
- 5.2.4. Open pressure line (turn on water spigot or nozzle).
- 5.2.5. Turn pump on at the On-Off switch. Check that water is coming out.
- 5.2.6. If the motor does not start up or the pump does not build up any pressure or if similar faults occur, turn the device off and try to remedy the error, see Troubleshooting section 8
- 5.2.7. The pump is equipped with a pressure switch. This turns the pump on if the water pressure in the pressure tank drops below the start-up pressure due to water removal.
- 5.2.8. The pressure switch turns the pump off when the shut off pressure is reached.

NOTE: The pressure switch is preset to the correct start-up and shut off pressure by the manufacturer.

6. MAINTENANCE

- ❑ **WARNING!** Disconnect from the mains supply before carrying out any work on the pump.
- ❑ **WARNING!** Make sure that the pump and connected accessories are de-pressurised before carrying out any work on the pump.

NOTE: All gaskets must be renewed after disassembly of components.
- 6.1. **INCREASE PRELIMINARY FILLING PRESSURE**
 - 6.1.1. If over the course of time the pump starts up after just a slight removal of water (approx. 0.5ltr), the preliminary filling pressure in the pressure tank must be re-established.
 - 6.1.2.1. Disconnect the mains plug.
 - 6.1.3.2. Open pressure line (turn on water spigot or nozzle), allow water to completely run off.
 - 6.1.4.3. Unscrew plastic cover (7) on the front side of the cylinder; the air-control valve is located behind it.
 - 6.1.5.4. Attach air pump or compressor hose to the air-control valve with a "tyre valve" connection and pressure gauge.
 - 6.1.6.5. Pump up [inflate] to the designated preliminary filling pressure (preliminary filling pressure: 1.8~2.0 bar).
 - 6.1.7.6. Reconnect the pump and check function.
- 6.2. **FILTER CLEANING**
 - ❑ **WARNING!** If the conveyed water is highly contaminated, clean the filter after each use. A blocked up filter will damage the pump.
 - 6.2.1. Unscrew filter housing (A) and take out filter cartridge.
 - 6.2.2. If needed, soak filter cartridge in warm water for a short while.
 - 6.2.3. Rinse filter cartridge with clear water; brush out stubborn dirt from inside using a soft brush.



7. STORAGE

- 7.1. If there is danger of frost, dismantle the device and accessories, clean and store them in a place protected from frost.
- 7.2. **DISMANTLING AND STORAGE**
 - 7.2.1. Turn off the device, unplug the mains plug.
 - 7.2.2. Open pressure line (turn on water spigot or nozzle), allow water to completely run off.
 - 7.2.3. Completely empty the pump and boiler.
 - 7.2.4. Dismantle the suction and pressure lines from the device.
 - 7.2.5. Store device in a frost-free room (at least 5 °C).

8. TROUBLESHOOTING

FAULT	CAUSE	REMEDY
Pump does not work	No power supply	Check power cable, plug, supply
	Motor overheat due to high liquid temperature	Eliminate cause of overheating (max. liquid temperature is 35°C)
	Motor overheats due to blocked ventilation slots	Eliminate cause of overheating
	Residual current device activated	Reset
	Motor defective	Contact dealer
Delivery rate too slow	Water shortage	Ensure sufficient water supply
Not enough pressure	Suction pipe not sealed	Seal suction pipe, tighten screwed connections
Delivery rate too slow	Suction height too high	Observe maximum suction height 8mtr. Suction height must be deducted from the conveyance height.
	Filter blocked or soiled	Clean or replace filter
	Check valve blocked	Clean or replace valve
	Water leak between motor and pump, shaft sealing not sealed	Contact dealer
	Pump is blocked or defective	Clean pump with clean water and remove the cause of the contamination
	Air in the pump or suction pipe	Fill pump case with water. For suction pipes with a check valve, fill the suction pipe with water
	Pressure switch faulty	Contact dealer
	Suction pipe sucked in on the ground	Shorten or fasten suction pipe Use filter screen with check valve
Pump does not switch off	Cut out pressure set too high	Contact stockist
	Pressure side unsealed	



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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