



# 110BAR PRESSURE WASHER WITH ROTABLAST NOZZLE & TSS230V with ACCESSORY KIT

MODEL NO: **PW1600**

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



Wear eye protection



Wear protective gloves



Wear protective clothing



Wear ear protection

## 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 dealer.

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. Remove the plug from the socket by maintaining a firm grip on the plug.
- ✗ **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 13 Amp 3 pin plug.

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

Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

Class II products are wired with live (brown) and neutral (blue) only are marked with the Class II symbol;

A) Connect the BROWN live wire to the live terminal 'L'.

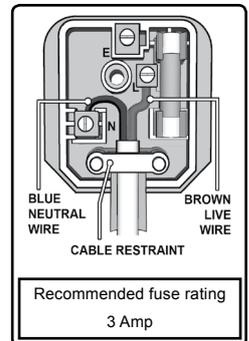
B) Connect the BLUE neutral wire to the neutral terminal 'N'.

C) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.



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

- ✗ **DO NOT** connect either wire to the earth terminal.  
Sealey recommend that repairs are carried out by a qualified electrician.



### 1.2. GENERAL SAFETY

- ❑ **WARNING!** Water and electricity are dangerous partners. **Be extremely cautious** and **ALWAYS** be aware that this device uses an electric motor. Always plug into a RCD (See electrical safety above). Unplug from mains before changing accessories or servicing.
- ❑ **WARNING! DO NOT** use the washer if any part of the unit, gun, nozzle, detergent tank, hose or cables is damaged. Replace or repair using genuine parts only. Unauthorised parts may be dangerous and will invalidate your warranty. Always check connections are correctly secured and not cracked or damaged in any way before using the machine.
- ❑ **WARNING!** Use washer on a flat, levelled surface, in an upright position. Failure to do so will invalidate your warranty. **NEVER** lay the washer down during use.
- ✓ Ensure you comply with all local water supply regulations. Power washers may only be connected to mains water supply if a check valve is installed in the supply hose, or at the tap outlet.
- ✓ The supply hose must be reinforced, and have an internal diameter of 1/2". The water supply must be at least equal to the cleaner capacity. The water temperature must **NOT** exceed 122°F (50°C). The water supply pressure must **NOT** exceed 6 bar.
- ✓ Always be aware of the hazards that may occur during use. Study all applications and limitations of the washer before use.
- ✓ Use where air can freely circulate around the washer to avoid the machine overheating.
- ✓ Keep the washer in good condition. Use an authorised service agent to service the unit.
- ✓ Wear adequate protective clothing, goggles and anti-slip rubber soled footwear.
- ✓ Position the washer as near to the water supply as possible.
- ❑ **WARNING!** Ensure all persons and animals keep at a minimum distance of 15mtr from the washer when in use.
- ❑ **WARNING!** The pressure washer must only be used with clean water. Unfiltered water or corrosive chemicals must not be used as these will damage the cleaner.
- ✓ Ensure the nozzle is aimed correctly at the work surface before switching on the machine.
- ✓ Before activating the trigger, grip the gun firmly to counteract the recoil from the high pressure water jet.
- ❑ **WARNING!** Avoid sudden bursts of water as these will cause water pressure to drop and put extreme pressure on hoses and connectors.

- ✓ If, during operation, power failure occurs turn the electricity and water off for safety reasons.
  - **WARNING!** The high pressure jet will cause loose particles to be propelled at high speed, which may cause serious injury.
  - **WARNING! DO NOT** operate the machine without a water supply. Dry running can seriously damage the unit.
  - **WARNING! DO NOT** leave the washer switched on for more than 15 minutes without operating the trigger.
  - × **DO NOT** obstruct ventilation grilles during operation.
  - × **DO NOT** use the washer with flammable or toxic liquids or any other product. Use only recommended detergent. Unapproved detergents may corrode the machine cover and accessories.
  - × **DO NOT** jam the trigger in the operating position.
  - × **DO NOT** adjust any internal control valves, as they have been factory set.
  - × **DO NOT** connect other appliances to the machine inlet or outlet.
  - × **DO NOT** move the unit by pulling the hoses or electrical cables. Use the handle.
  - × **DO NOT** touch plug with wet hands. To avoid the risk of electrocution keep all connections dry and off the ground.
  - × **DO NOT** direct jet against yourself, other persons, animals, electrical equipment or the machine itself.
  - × **DO NOT** use washer if you are tired or under the influence of alcohol, drugs or intoxicating medication.
  - × **DO NOT** allow children or untrained persons to operate the washer.
  - **WARNING!** Discharge residual pressure before disconnecting the washer hose. Pressure left in unit may cause injury.
  - ✓ After use, disconnect washer from electrical mains and water supply and store in a safe, dry, childproof area.
  - ✓ Protect from freezing conditions during winter.
- 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

Lightweight, powerful entry level unit designed for domestic and light trade use. Ideal for a range of applications including cleaning vehicles, patios, decking, motorbikes and barbecues. Fitted with a powerful 1300W motor with 318 litre water flow per hour and a maximum pressure output of 110bar. Features "Automatic Total Stop System" (TSS) which switches the motor on and off when the trigger is operated, prolonging motor life. Fitted with accessory storage and hose/cable hook to ensure unit stays clutter-free and mobile. Supplied with 5mtr hose and full accessory kit including variable nozzle, patio brush, rotary brush, fixed brush, detergent bottle and Rotablast Nozzle® which helps develop the same effective cleaning power (ECP) as a 187bar/2720psi pressure washer. Manufactured with durable wheels for transportation over rough terrain.

## 3. SPECIFICATION

Model No:..... PW1600  
 Supply:.....230V  
 Maximum Pressure: .....110bar/1600psi  
 Total Stop System: ..... Yes  
 Effective Cleaning Power: ..... 187bar/2720psi  
 Rotablast Nozzle:..... Yes  
 Water Flow:.....318ltr/hr  
 Hose Length:.....5mtr  
 Motor Power:.....1300W  
 Weight:.....7.7kg



## 4. SET UP

- **WARNING! DO NOT** use the 'Patio Brush Extension' with any attachment other than the patio brush. Using the 'Patio Brush Extension' with other attachments will cause damage to the extension and attachments.

### 4.1. Connecting the water supply.

- 4.1.1. Use a reinforced hose pipe with an internal diameter of 1/2" and connect to the mains water supply. Before attaching the hose to the pressure washer flush the hose through with some clean water to remove any foreign matter from within the hose. Connect 3/4" BSP female fitting to inlet on the rear of the machine (Fig.1)



#### 4.2. Connecting the high pressure hose.

- 4.2.1. Attach the high pressure hose as in fig.2, ensuring the connector is tight. Attach the other end to the gun (fig.3). To attach the hose, slide the red catch (fig.3 'A') down, then press the hose end fitting into the gun. When pushed home fully, slide the catch back up towards the hose to lock.

#### 4.3. Assembling the lance and nozzle.

- 4.3.1. Push the nozzle into the gun as shown in fig.4 and turn 90° until it locks into place.
- **WARNING!** Ensure the nozzle is locked into position, failure to ensure this could result in the nozzle being ejected under high pressure when operating the gun.

#### 4.4. Fitting the Fixed or Rotating brush.

- 4.4.1. If you require either the fixed or rotating brush, fit in the same manner as assembling the lance in fig.4.

#### 4.5. Fitting patio brush.

- 4.5.1. To fit the patio brush, unscrew nozzle from either turbo or fan-jet lance and screw the lance onto the patio brush (fig.6). Assemble lance with gun as in fig.4. The patio brush can be used with both the extension and lance or with just the extension fitted into the gun directly, as required.

#### 4.6. Connecting to electrical supply.

- **WARNING!** Ensure the On/Off switch is in the 'Off' position. Using an RCD plugged into a 13A mains socket, **DO NOT** turn the power on.
- × **DO NOT** touch the plug with wet hands.

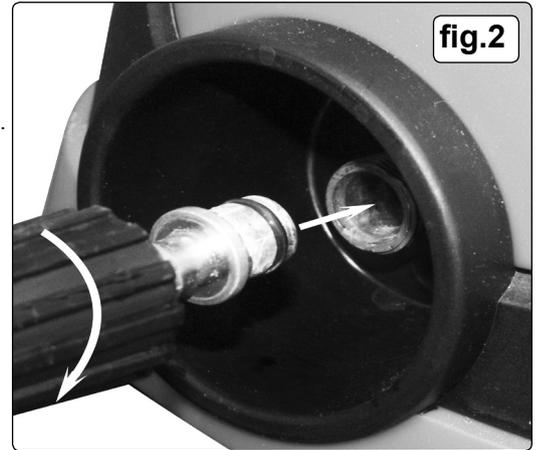


fig.2



fig.3

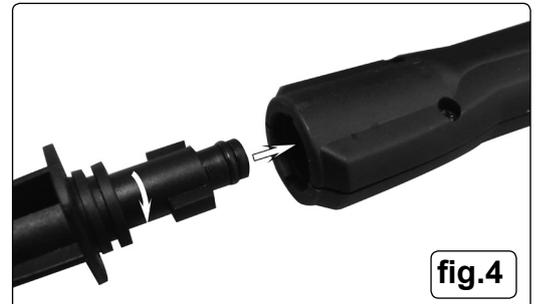


fig.4



fig.5

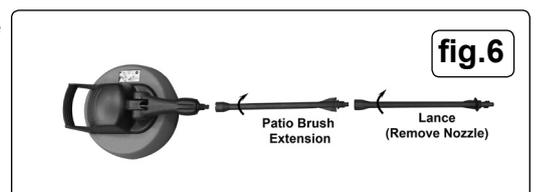


fig.6

## 5. OPERATION

- **WARNING!** Ensure you read, understand and apply Section 1 safety instructions.
- **WARNING!** Dry running can seriously damage the unit.
- **WARNING!** Use washer on a flat, level surface, in an upright position. Failure to do so will invalidate your warranty. Never lay the washer down during use.
- **WARNING!** DO NOT leave washer switched on for more than 15 minutes without operating trigger.

**Important!** The washer motor will stop as soon as the gun trigger is released and will restart when the trigger is squeezed. Always allow at least 5 seconds between releasing the trigger and restarting.

#### 5.1. Primary checks.

Check that the inlet filter is clean; pump delivery and pressure will be reduced if blocked. Never use the machine without a filter (which is fitted inside inlet connector). Ensure that the water supply, high pressure hose and gun are correctly connected, and that air can freely circulate around the washer.

#### 5.2. Operation of safety catch.

To prevent inadvertent operation of the unit the safety catch should always be engaged when the gun is not in use. Slide the catch (fig.3.'B') to the left to lock; right to release.

#### 5.3. Bleeding The Gun

It is very important to bleed the gun before using the pressure washer. Squeeze the trigger **BEFORE** turning the electrical supply on. This allows any air trapped inside the pressure washer and gun to be removed before using the unit. Continue holding the trigger for approximately one minute to allow any excess air out of the unit. Water will flow through the gun at low pressure during this procedure.

#### 5.4. Operating the machine.

- 5.4.1. Hold the spray gun firmly to counteract the recoil caused by the high pressure of the water. Before switching on ensure that the lance is not directed at people, objects or animals prior to being directed at the object to be cleaned.
- 5.4.2. It is recommended that the trigger is depressed before switching on the unit before every use. This reduces the back pressure and amperage draw which prevents fuses blowing.
- 5.4.3. Switch the machine on by turning the switch to the 'On' position. Release the handle safety catch (fig.3.'B'). Point the lance at the object to be cleaned and fully depress the trigger. When the trigger is released the motor will automatically switch off.

#### 5.5. Adjusting spray pattern.

- 5.5.1. The fan nozzle can be adjusted from pencil point to fan jet by moving the grip forwards or backwards.
- 5.5.2. The fan nozzle can be continuously varied by rotating the body of the nozzle as indicated in fig.5.
- Caution!** The pencil point setting is very aggressive. It is recommended that for most cleaning applications, a twenty degree spray angle is used to avoid damage to the surface being sprayed.
- Note:** The pressure of the spray on the surface you are cleaning increases as you move the nozzle closer to the surface.
- 5.5.3. For the high pressure Turbo spray fit the turbo nozzle. This nozzle is intended for maximum cleaning affect.

## 5.6. Using detergent.

Use only detergents approved for use in pressure washers.

5.6.1. Remove the lance from the gun and replace with the detergent dispenser (fig.4).

5.6.2. Fill the detergent bottle with detergent suitable for use with a pressure washer. The detergent will automatically be mixed with the water and discharged through the nozzle. **NOTE:** Detergent will only be drawn into the spray if the fan nozzle is used in the fan (low pressure) setting.(fig.5). Dirt is dissolved by applying detergent to the dry surface. On vertical surfaces, work from the bottom upwards.

5.6.3. Leave the detergent to act for 1-2 minutes, but **DO NOT** allow the surface to dry out.

5.6.4. To wash down select the variable spray jet nozzle set on the wide fan setting (fig.5).

5.6.5. When you have finished the soap application, remove the bottle and flush clean water through the tube until it is cleaned thoroughly.

**Note:** Failure to clean properly will cause the injection system to become clogged and inoperable.

## 5.7. When washing is completed.

5.7.1. Switch the power supply off by turning switch to 'Off' position.

5.7.2. Turn off the water supply tap.

5.7.3. Discharge residual pressure by pressing the trigger until no more water comes out of the nozzle.

☐ **WARNING!** Failure to discharge pressure could result in personal injury.

5.7.4. Disconnect the inlet and high pressure outlet hoses.

5.7.5. Wipe the machine clean and dry and store in a clean, safe, dry, childproof location.

**Note:** a) **DO NOT** leave motor switched on for more than 15 minutes without operating trigger.

b) If the water pressure drops (e.g. someone else using the same water supply), the washer will not operate correctly.

Immediately switch the motor off and wait until the pressure is restored.

## 6. TROUBLESHOOTING

SYMPTOMS	REASON	REMEDY
Motor will not start.	1. Loose or disconnected plug. 2. Blown fuse.	1. Reconnect plug. 2. See below
Circuit breaker trips or fuse blown.	1. Circuit Overload. 2. Extension cord too long or wire size too small. 3. Nozzle partially blocked, causing excessive pressure.	1. Check that the circuit is rated 13amps or greater. Disconnect all loads on the circuit. 2. Use proper extension cord as recommended in section 1. 3. Clean nozzle as described in maintenance section.
Water or oil leaking from bottom of pump.	1. A small amount of leakage is normal.	1. If excessive leaking occurs contact authorised service agent.
Trigger will not move.	1. Gun safety lock engaged.	1. Release safety lock.
Unit will not stop when trigger is released.	1. Trigger system not operating properly.	1. Contact authorised service agent.
Motor running but pump not building maximum pressure or has irregular pressure.	1. Water supply not turned on. 2. Unit has been stored in freezing temperatures. 3. Water inlet screen clogged. 4. Kink in supply hose. 5. Nozzle worn out. 6. Air in pump. 7. Suction or discharge valves clogged or worn out.	1. Turn on water supply. 2. Thaw out unit completely including hose, gun and attachments. 3. Clean screen as described in maintenance section. 4. Straighten hose. 5. Replace nozzle. 6. Let pressure washer run with gun open and lance removed until a steady stream of water is released. 7. Contact authorised service agent.

## 7. MAINTENANCE

☐ **WARNING!** Ensure the pressure washer is switched off and unplugged from the mains electrical power supply and turned off at the mains water tap before performing any maintenance tasks.

Check, clean or renew the inlet filter (which is fitted inside the inlet connector,) after every 50 hours of use.

### 7.1. Nozzles.

7.1.1. Ensure that both nozzles are kept clean and free of debris.

7.1.2. The variable nozzle should be lubricated regularly. Clogging of the nozzle causes the pump pressure to be too high and cleaning is immediately required.

7.1.3. Separate the nozzle from the lance by unscrewing anti-clockwise.

7.1.4. Clear the nozzle of any debris.

7.1.5. Flush the nozzle with water.

7.1.6. Reconnect the nozzle to the lance. Ensure that the nozzle clicks into place.

### 7.2. Water Filter.

7.2.1. The pressure washer is equipped with a water inlet filter to protect the pump.

7.2.2. To clean the conical filter, remove quick fit connection and the filter from the pump inlet.

7.2.3. Backflush the filter to clean.

7.2.4. Replace filter and quick connection immediately to prevent any ingress of foreign matter into the pump.

### 7.3. Cooling System.

7.3.1. The air vents, in and around the pressure washer, must be kept clean and free of any obstructions to ensure proper air cooling of the motor during operation.

- **WARNING!** Prevent water from penetrating the vents of the pressure washer to minimise the risk of damage to the machine and to reduce the risk of shock to the operator.

### 7.4. General.

7.4.1. Check unit, gun, nozzle, hose, connections and cables for damage. Immediately replace or repair with genuine parts.

### 7.5. Storage.

7.5.1. Store in a location where the washer will not be subject to freezing conditions.

7.5.2. Make sure that the pressure washer has been drained of water and remove the hoses.



#### 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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