



**SPEAR &
JACKSON**

ORIGINAL INSTRUCTION MANUAL

2200W

High Pressure Washer

S2211PW



**CAUTION: Read the instructions before
using the machine**

These instructions contain important information that will help you get the best from your pressure washer, ensuring it is assembled correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on 0345 605 2067

**AFTER SALES SUPPORT
0345 605 2067**

SAN NO.: 0321/8011/53ZB

SPEAR & JACKSON SINCE 1760

For more than 250 years gardeners have enjoyed high quality performance and great results using Spear & Jackson tools.

Our garden power tools combine continuous innovation and the latest in manufacturing technologies with a proud heritage.

Each product is carefully designed with performance, comfort and durability firmly in mind, which has earned Spear & Jackson an enviable reputation as a maker of tools to trust.

3 YEAR GUARANTEE

As a testament to the quality of our products, we offer a 3 year manufacturers warranty and a comprehensive after sales service.

The warranty covers manufacturing faults, however in the event that the item has been deliberately damaged, used in a commercial environment or disassembled then the warranty will be null and void.

Please retain proof of purchase.

7 DAYS A WEEK TECHNICAL SUPPORT

We want you to get the best out of our products. Our easy-to-read instruction manual guides you with best practice use and maintenance tips. Please call **0345 605 2067** for technical support, we can solve around 80% of questions directly over the phone.

We hope you enjoy your product and we look forward to any feedback, as this allows us to develop even better products for the future.

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SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

DESCRIPTION OF SYMBOLS

The following warning symbols appear throughout this manual and indicate the appropriate safety measures you should take when operating and maintaining the pressure washer.



IMPORTANT!

Please read all of the safety and operating instructions carefully before using this tool. Please pay particular attention to all sections of this user guide that carry warning symbols and notices.



WARNING!

This is a warning symbol. This symbol is used throughout the user guide whenever there is a risk of personal injury. Ensure that these warnings are read and understood at all times.



Wear ear protection.



Disconnect the mains plug if the cord becomes damaged or entangled



WARNING!

Never direct discharge stream at persons, animals, the unit or electric components.



Guaranteed sound power level value in 97 dB(A).



Machine not suitable for connection to the potable water mains.

Water that has flowed through backflow preventers is considered to be non-potable. The appliance is not intended to be connected to the potable water mains. If necessary, please use only with a water backflow preventer or, inlet hose-set approved by IEC 61770.



Double insulation, Class II appliance.

The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



Waste Disposal and Environmental Protection!

Be environmentally friendly. Return the tool, accessories and packaging to a recycling centre when you have finished with them.

Electrical machines do not belong in domestic waste.

Take the equipment to a waste disposal site. The plastic and metal parts that are used can be separated out into pure grade, which allows recycling.

SAFETY INFORMATION

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GENERAL SAFETY

WARNING High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the machine itself.

WARNING Do not use the machine within range of persons unless they wear protective clothing.

WARNING Do not direct the jet against yourself or others in order to clean clothes or foot-wear.

WARNING High pressure cleaners shall not be used by children or untrained personnel.

WARNING High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer.

WARNING To ensure machine safety, use

only original spare parts from the manufacturer or approved by the manufacturer.

WARNING Water that has flowed through backflow preventers is considered to be non-potable.

WARNING Do not use the machine if a supply cord or important parts of the machine are damaged, e.g. safety devices, high pressure hoses, trigger gun.

WARNING Inadequate extension cords can be dangerous. If an extension cord is used, it shall be suitable for outdoor use, and the connection has to be kept dry and off the ground. It is recommended that this is accomplished by means of a cord reel which keeps the socket at least 60 mm above the ground.

WARNING Always switch off the mains

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

disconnecting switch when leaving the machine unattended.

WARNING High pressure may cause parts to rebound. Always wear appropriate personnel protection equipment (PPE) in operation, e.g. safety boots, safety gloves, safety helmets with visors, hearing protection etc., to ensure operator's safety.

WARNING There is a risk of kickback and sudden torque load against the jet spray when the spray gun is opened. Ensure that you are standing firmly and that you are holding the gun securely, otherwise you could injure yourself or other people.

IMPORTANT!

- Keep this instruction manual in a safe place for future reference.
- Read the instructions carefully. Be familiar with the

controls and the proper use of the equipment.

- Never use the machine while people, especially children, or pets are nearby. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- This machine can be used by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the machine in a safe way and understand the hazards involved.
- Don't use the machine without reading the instruction sheet.
- Machines shall not be used by children. Children should be supervised to ensure that they do not play with the machine

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

PERSONAL SAFETY

WARNING!

■ **RISK OF FATAL INJURY!**

Use special care when cleaning tyres. Vehicle tyres/tyre valves may become damaged or burst when handled improperly. First signs of damage include discolourations on the tyre. Damaged vehicle tyres/tyre valves pose a life-threatening risk. Keep the jet at a distance of at least 30cm!

- The appliance is not designed for connecting to tap water. If necessary, please use only with a water backflow preventer or inlet hose-set approved by IEC 61770.
- Risk of injury, do not direct discharge stream at persons.
- Know how to stop the product and bleed pressure quickly, be thoroughly familiar with the controls.

- Stay alert, watch what you are doing.
- Do not operate the product when fatigued or under the influence of alcohol or drugs.
- Keep operating area clear of all persons.
- Do not overreach or stand on unstable support. Keep good footing and balance at all times.
- The operator or user is responsible for accidents or damages to other people or their property.

OPERATING SAFETY

WARNING!

- For safety reasons, high pressure hoses, valves and couplings must be used with unit. The new hose-sets supplied with the appliance are to be used. Old hose-sets should not be reused.

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

OPERATING SAFETY

- High-pressure hose fittings and couplings are important for the safety of the appliance. Use only hose fittings and couplings supplied by the manufacturer.
- Inadequate extension cords can be dangerous. If an extension cord is used, it should be suitable for outdoor use, and be kept dry and off the ground. It is recommended that this is accomplished by means of a cord reel which keeps the socket at least 60 mm above the ground.
- The electric supply connection shall be made by a qualified electrician and comply with IEC 60364-1. It is recommended that the electric supply to this machine should include either a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms or a device that will prove the earth circuit.
- Disconnect from the electrical power supply before carrying out user maintenance.
- Do not use the machine if a supply cord or important parts of the machine are damaged, e.g. safety devices, high pressure hoses, trigger gun.
- If extension cable is used, the plug and socket outlet must be of a watertight construction.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- The PVC or polychloroprene sheathed power cord or extension cables (H05VV-F) are acceptable for use at temperatures at or above 0°C.

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

- Never carry the appliance by the cable or the hose. Do not carry the equipment with your finger on the On/Off switch when it is connected to the mains.

WARNING

Remove plug from socket:

- When you are not using the equipment.
- When transporting equipment.
- When left unattended.
- When checking or cleaning equipment.
- When removing blockages or performing maintenance or changing accessories.
- When cable is damaged.
- After contact with foreign bodies.
- If the machine begins to vibrate abnormally.
- Do not use the appliance near flammable liquids or gases. In case of non-observance, there is a risk of fire or explosion.
- Ensure that the mains voltage matches the information on the label.
- Before each use check the equipment, power cable and plug for damage, to avoid an electrical shock.
- Damaged cables, coupling and plugs or connecting leads that are not compliant with specifications are not to be used. Remove the plug from the plug socket immediately in case of damage or cutting through of the mains cable.
- Do not use the equipment when the switching action of the On/Off switch is impaired. Have damaged switches replaced at our Service Centre.
- Do not overload your appliance. Work only within the indicated range of performance. For heavy work, do not use a machine with insufficient power. Do not use your appliance for purposes other than those specified.

SAFETY INFORMATION

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MAINTENANCE AND STORAGE SAFETY

WARNING!

- Retrofitting or making any unauthorised changes to the machine, as well as the use of unapproved parts will invalidate your warranty.
- Do not attempt to repair the equipment yourself. All work not indicated in these instructions is to be carried out only by service stations authorised by us.
- Store the appliance in a dry location and out of reach of children.
- Handle the appliance with care. Keep the equipment clean for safe and more efficient working. Follow the maintenance directions.
- The appliance may be damaged by frost. There is always residual water left inside the high-pressure washer and in the pump. Do not store the machine at temperatures below freezing point.

in order to avoid frost damage.

INTENDED USE

This high-pressure cleaner is designed for domestic use only, (see guarantee section - page 2):

- To clean machines, vehicles, buildings, tools, facades, terraces, garden equipment etc. using a high-pressure water jet (and detergents if required).
- To use with accessories, replacement parts and detergents approved by Spear & Jackson.
- Observe the instructions provided with these detergents.
- Any use of the machine that deviates from its intended use and is not included in these instructions is considered unauthorised use and relieves the manufacturer from his or her legal liability.

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

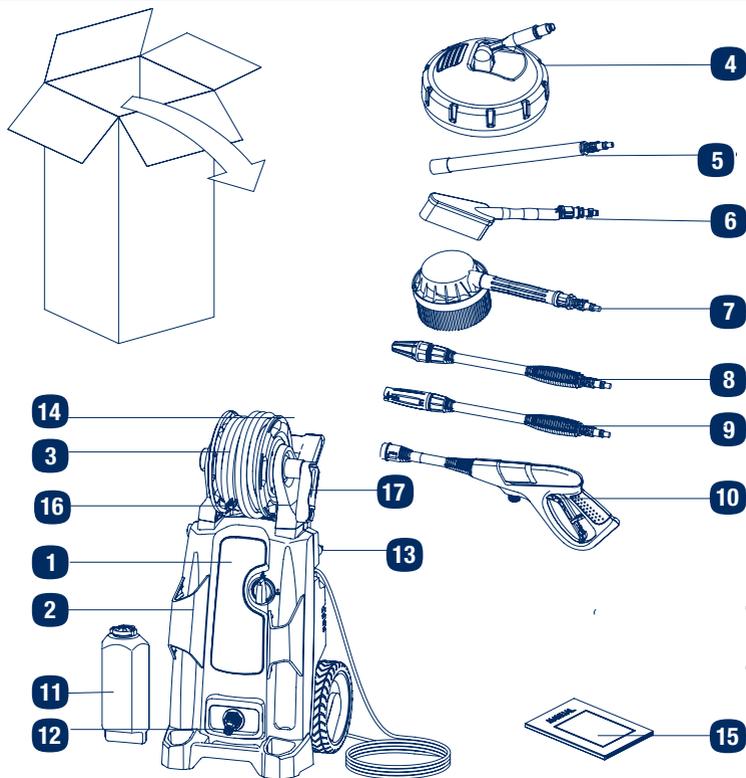
ATTENTION!

Through poor conditions of the electrical MAINS, shortly voltage drops can appear when starting the EQUIPMENT. This can influence other equipment (eg. Blinking of a lamp). If the MAINS-IMPEDANCE $Z_{max} < 0.444 \text{ OHM}$, such disturbances are not expected. (In case of need, you may contact your local supply authority for further information).

BOX CONTENTS

PARTS

- | | |
|--|---------------------------------|
| 1 High pressure washer | 9 Adjustable spray lance |
| 2 Gun storage | 10 Spray gun |
| 3 Hose/ Hose reel | 11 Detergent bottle |
| 4 Patio cleaner | 12 Inlet adapter |
| 5 Extension lance for patio cleaner | 13 Nozzle pin |
| 6 Fix brush | 14 Top handle |
| 7 Rotary brush | 15 Manual |
| 8 Turbo lance | 16 Hose clip |
| | 17 Reel handle |



ASSEMBLY

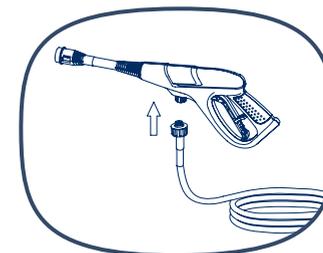


WARNING - Pull out the power plug before carrying out any work on the equipment, and use only original parts.

Before starting any cleaning task, it is important to inspect the area for objects that could create a hazard. Remove any objects from the work area that could be tripped over, such as toys or outdoor furniture. Ensure that all doors and windows are closed tightly.

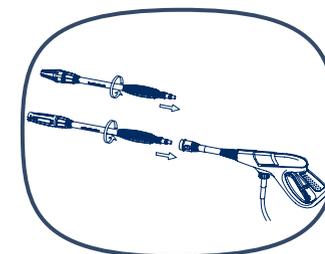
1 Connecting the hose and spray gun.

Screw the high pressure hose (3) firmly onto the spray gun (10).



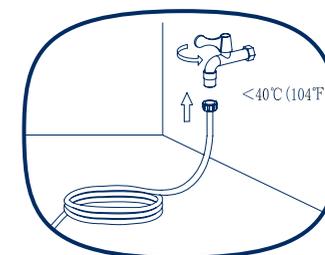
2 Fit the lance to spray gun.

Insert the adjustable spray lance (9) or turbo lance (8) to spray gun (10), and twist 1/4 turn to lock in position.



3 Connecting garden hose to water supply.

Attach garden hose (not included) to the non-potable water supply and turn water on until a steady flow of water runs out of the hose. Turn the water off.

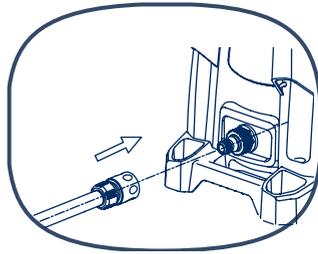


If there are any parts missing, please call the customer helpline on 0345 605 2067

ASSEMBLY

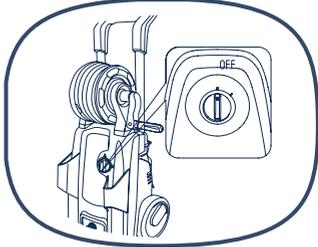
5 Connecting garden hose and inlet connector.

Attach a hose with a quick connect coupling (not included) to the high pressure washer.



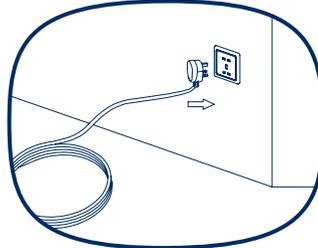
6 OFF position.

Make sure the ON/OFF switch is in the OFF position.



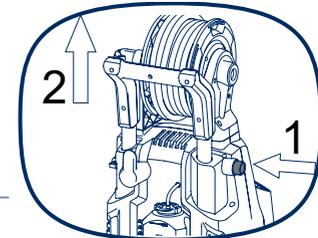
7 Connecting to socket.

Insert the mains plug into the socket.



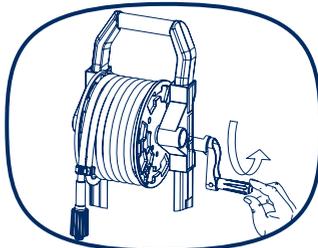
8 Telescopic handle

Push the button on side, and uplift the handle.



9 Hose Reel

Before using, release the hose to proper length.



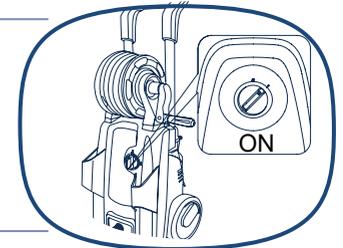
OPERATION



WARNING - Wear suitable clothing, ear and eye protection when working with the equipment. Ensure that the mains voltage value matches the label on the equipment.

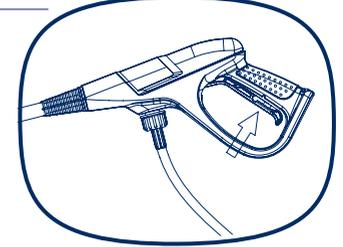
Before starting

- Check the machine for visual defects.
- Check that all parts of the machine have been securely fitted.
- Check if the water connector and the high-pressure hose are tight.



Starting

- Put the high pressure washer on level ground. Stand in a secure and stable position.
- Open the water supply.
- Unlock the safety trigger on the spray gun and press the trigger until there is a steady stream of water.
- Set the On/Off switch to ON.

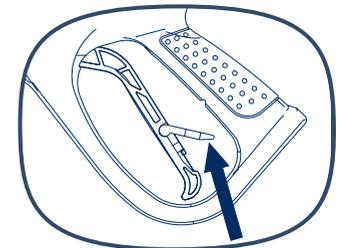


Stopping

- Release the trigger, and engage the safety lock.
- Set the On/Off switch to OFF.
- Close water supply.

ATTENTION! Risk of machine damage!

Never operate the machine without the water being connected as dry running may damage the pump. Use a water filter if the inlet water is contaminated.



OPERATION



RISK OF FATAL INJURY!

Use special care when cleaning tyres. Vehicle tyres/ tyre valves may become damaged or burst when handled improperly. First signs of damage included discolourations on the tyre. Damaged vehicle tyres/ tyre valves pose a life-threatening risk. Keep the jet at a distance of at least 30 cm!

The high-pressure jet may be dangerous when handled improperly. The jet may not be directed towards living beings (persons, animals), live equipment or the machine itself.

High pressure working

- Switch on the high pressure washer and hold the hand-held spray gun firmly with both hands.
- Unlock the safety button and press the trigger on the handheld spray gun.
- The high-pressure pump starts running as soon as you operate the hand-held spray gun.
- The high-pressure pump stops running as soon as you release the trigger on the hand-held spray gun.

Note: Always test the surface in a small and discreet place before cleaning. Pressure washing can strip paint from surfaces and/or leave some surfaces damaged.

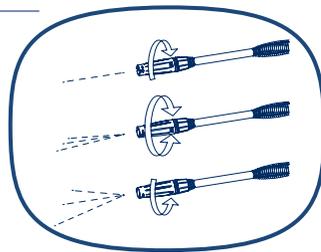
Using with adjustable spray lance

Ideal for lighter cleaning tasks like cars, bikes, patios and furniture.

The adjustable spray lance has a 180 degree rotation nozzle to adjust the width of the spray and as such the pressure on the surface.

To adjust the spray, turn the nozzle into the desired direction as shown on the nozzle.

It takes a couple of seconds for the spray to adjust to the new setting.



CAUTION! Jet spray adjustment is very aggressive. Do not adjust while spraying. Switch the machine off when interrupting your work for extended periods of time.

OPERATION

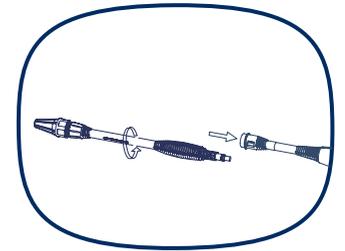
Using the turbo lance

Ideal for stubborn dirt, painted wood and PVC windows, conservatories and furniture.

The turbo lance is designed to have less impact on the surface as the spray rotates around.

Note: Before you clean, always test the impact of the pressure washer on the surface on a non-prominent place.

- Stop the machine.
- Change the adjustable spray lance with turbo lance.
- Test the lance on the surface in non intrusive place.

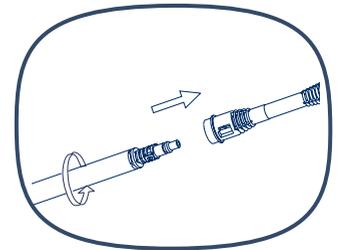
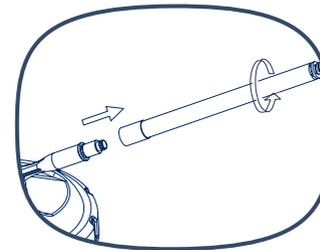
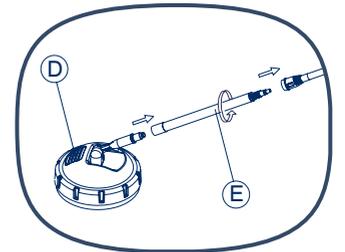


Using the patio cleaner

Ideal for cleaning areas without the splash-back of dirt like patios, fences, garage doors, gravel and pebbled pathways.

Stop the machine before changing the lance for the extension pole and patio cleaner.

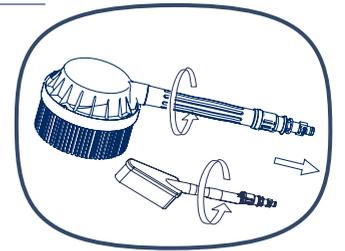
To clean the patio make side ways movements, instead of up and down scrubbing movements.



Using the fixed brush and rotary brush

Ideal for cleaning delicate surfaces, like vehicles and paint work, as the fixed brush is a low pressure accessory.

Stop the machine before attaching the brush to the spray gun.



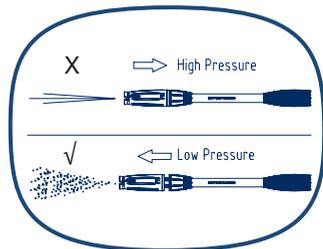
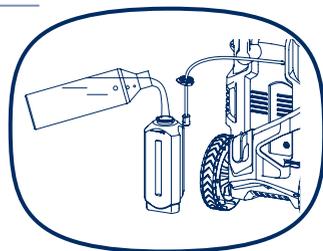
OPERATION

Using the detergent bottle

Special pressure washer detergents can be used to increase the cleaning power of the pressure washer.

Detergent can only be used with low pressure attachments like the adjustable lance in low pressure setting, the rotary brush and the fixed brush.

- i. Make sure the machine is turned off and engage the safety lock on the spray gun, before filling the detergent bottle.
- ii. Unscrew the lid from the bottle and fill with detergent diluted according to the fluid instructions.
- iii. Screw the lid.
- iv. Pull the adjustable lance nozzle forward, configuring the machine to low pressure.



Note:

- The lance has to be set to low pressure for the machine to engage when using detergent.
- Allow detergent to remain on the surface for a short time before rinsing. Do not allow detergent to dry on surface
- Before you change the type of detergent for another job, rinse the detergent tank with clean water. Pull the trigger on the lance at low pressure for one minute until all all detergent is flushed through the system.

Use with water butt or reservoir

The machine can also operate with water from sources other than a water tap, e. g. ponds and water butts. The use of an additional water filter (not supplied) is highly recommended for this kind of use.

Make sure the water source is situated no more than 1 m below the level of the machine. The water inlet hose must not be too long, approx. 3 m. Fill water supply hose (not supplied) with water before connecting it to the machine.

Running the machine without water (running dry) will damage it. Run machine without lance attached until there is a constant flow of water.

MAINTENANCE

Turn off machine and connect lance.

Note: The internal mesh filter of the machine is not intended for the filtration of large quantities of impurities.

Overview of cleaning

- After every use wipe the machine with a slightly damp cloth. Do not clean the machine using a high-pressure water jet.
- Clean the high-pressure jet nozzle.

The pressure washer is equipped with a water filter inlet adapter to protect the pump. If the filter is not kept clean, the water flow to the machine will be restricted and the pump may be damaged.

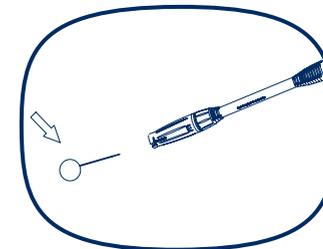
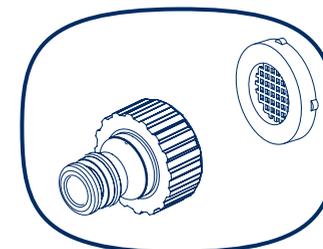
To clean water filter, remove inlet adapter and get the filter out.

- Rinse filter until it is free of debris and blockage.
- Replace the filter and inlet adapter.

Note: Keep the nozzle pin out of children's reach.

Cleaning limescale

Over time limescale may build up on your lance outlet, use the nozzle cleaning pin to remove this.



Storing

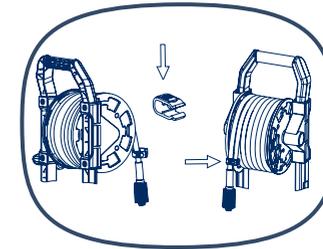
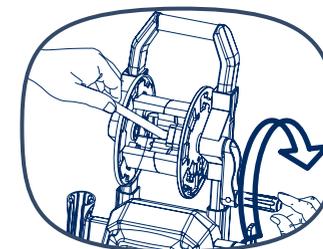
Store the machine where it is dry and well ventilated.

When placing the machine out of service for an extended period of time, remove the cleaning agent and drain all the water left in the hoses.

Always empty water from all hoses before storing.

Hold the hose, then turn the hose reel handle, make sure the hose is rolled in a straight line and without kinking the hose.

Click the cable clip on hose.



MAINTENANCE

Transport

If shipping, use the original packaging wherever possible.

Disposal

Disposing of the machine

Machines which are labelled with the this symbol  must not be disposed of in household rubbish. You must dispose of such old electrical and electronic appliances separately.

Please check with your local authority about the possibilities for correct disposal. You will thus help to avoid that damaging into the environment.

Disposing of the packaging

The packaging consists of cardboard and correspondingly marked sheets that can be recycled. Make these materials available for recycling.

TECHNICAL DATA

Model	S2211PW
Rated voltage range and frequency	230-240V ~, 50 Hz
Rated power input	2200W
Working pressure	11MPa (110bar)
max. pressure	15MPa (150bar)
Max. inlet pressure:	0.6MPa
Rated flow	5.0ltr/min (300ltr/h)
max. flow rate	7.5ltr/min (450ltr/h)
IP number	IPX5
Safety class	class II
Inlet water temperature (max.):	40°C(104°F)
Measured sound pressure level	80.7dB (A), K=1.2 dB (A)
Guaranteed sound power level	97dB (A)
Vibration	3.0m/s ² , K=0.5m/s ²
Net Weight:	12.8kg

Part number	Accessories
01106B12	Trigger gun
01118ZF	Rotary brush
01118ZE	Fixed brush
01106B14	Turbo lance
01106BA	Adjustable spray lance
01118ZH	8" Patio cleaner
01118ZX	Water filter(not supplied)

TROUBLESHOOTING

Suspected malfunctions are often due to causes that the user can fix themselves. Therefore, check the product using this section. In most cases the problem can be solved quickly.



WARNING - Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Gloves and appropriate protective clothing must be worn when performing these instructions.

Problem	Possible cause	Solution
1. No Power	<ul style="list-style-type: none"> Check if the plug socket, cable, line and plug are in good condition. If any of the parts are defective, such as On/Off switch / motor etc. 	<ul style="list-style-type: none"> Please contact after sales support at 0345 605 2067.
2. The high pressure washer operates intermittently	<ul style="list-style-type: none"> Internal loose electrical connection. On/Off switch defective. 	<ul style="list-style-type: none"> Contact the after sales support at 0345 605 2067. Contact the after sales support at 0345 605 2067.
3. No or only little pressure is built up	<ul style="list-style-type: none"> There is an air pocket in the hose. Check all inlet pipes leading to the pump for leaks or clogs. 	<ul style="list-style-type: none"> Turn off the machine. Run the machine without the high pressure hose connected until water starts to flow without bubbles. Reattach the high pressure hose. Contact the after sales support at 0345 605 2067.
4. Great pressure variances	<ul style="list-style-type: none"> Check if the nozzle is blocked. Inlet water is blocked. 	<ul style="list-style-type: none"> Clean the high pressure jet nozzle with the nozzle pin provided. Make sure the inlet hose is not twisted or kinked.
5. Machine is leaking	<ul style="list-style-type: none"> Sealing parts are broken. 	<ul style="list-style-type: none"> Please contact the after sales support at 0345 605 2067.

GUARANTEE

If your device develops a fault, please don't hesitate to contact our customer service department on 0345 605 2067, the majority of issues can be solved directly over the phone.

- These warranty terms cover additional warranty rights and do not affect your statutory warranty rights. All our products are covered by a 3 year manufacturer warranty
- Claims must be accompanied by Proof of Purchase. This must be in the form of a sales receipt or Bank statement and must show that the product has been purchased within the warranty period as described under point 1, from the retailer that it was originally bought from. Please keep your receipt safe or staple it to the back of this manual for future reference.
- Our warranty covers problems caused by material or manufacturing defects, and will result in the repair of these defects or replacement of the device with a like for like or similar article.
- Our devices have not been designed for commercial, trade or industrial applications, any signs of use of the equipment in these application or equivalent activities, invalidates the warranty.
- The following are also excluded from our warranty:
 - Faults due to accidents, customer misuse or unauthorised repairs
 - Consumable parts such as detergent bottle, patio cleaner, jet lance, fixed brush and nozzle pin, and other accessories that are compatible with the product.
 - Failure due to lack of routine maintenance.
 - Failure as a result of not using the equipment in accordance with the manual and safety instructions
 - The adjustment of cables, pumps, or lances.

Warranty claims should be submitted before the end of the warranty period, see point 1, but a paid service exists for repairs commissioned after this period. The original warranty period remains applicable to the device even if repairs are carried out or parts are replaced.

In such cases, the work performed or parts fitted will not result in an extension of the warranty period, and no new warranty will become active for the work performed or parts fitted.

5. Please keep your sales receipt in a safe place. If it is covered by our guarantee your device will either be repaired under the terms of guarantee or we will send you a replacement device.

This device may be re-conditioned, like for like or upgraded replacement.

If you have any problems or questions concerning your garden power tool, please contact our after sales service at 0345 605 2067.