

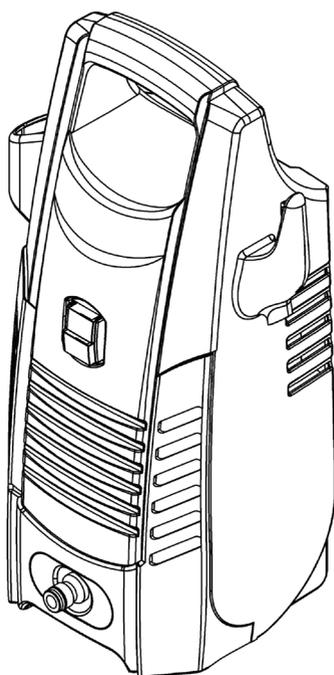
# PowerG<sup>®</sup>

FB514

## HIGH PRESSURE WASHER

Original instructions

573259



### CAUTION

Before using your high pressure washer, please fully read through this manual to fully understand how to safely operate the machine.

## CONTENT

Description of Symbols	03
Safety Information	06
Description of Product Parts	13
Scope of Delivery	14
Intended Use	14
Assembly	15
Operation	17
Technical Data	20
Maintenance and Storage	21
Troubleshooting	22
Guarantee and Service	23
Declaration of Conformity	24

## DESCRIPTION OF SYMBOLS



### **IMPORTANT!**

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



### **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 eye and ear protection.



Disconnect the mains plug immediately if the cable is damaged, has been badly twisted or is completely cut through and in the event that the device is left unattended for a short time.



### **WARNING!**

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

## DESCRIPTION OF SYMBOLS



Appliance not suitable for connection to the potable water mains.

Water that has flown 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 inlet hose-set approved by IEC 61770.



Guaranteed sound power level value in 96 dB(A).



Double insulations, Class II appliance.



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

## DESCRIPTION OF SYMBOLS



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 waste to be recycled.

### Notes on safety

This section deals with the basic safety regulations to be observed when working with the electric high pressure washer.

Read the following safety instructions to avoid damage or injury to persons or property.

## SAFETY INFORMATION

### GENERAL SAFETY

1. This product 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 use of the product by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the product.



#### **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.

## SAFETY INFORMATION



### **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 and spray guns.



### **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 60mm above the ground.



### **WARNING!**

Always switch off the mains disconnecting switch when leaving the machine unattended.

## SAFETY INFORMATION



### **WARNING!**

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

## SAFETY INFORMATION

- Don't use the machine without reading the instruction manual. Machines shall not be used by children. Children should be supervised to ensure that they do not play with the 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 lifethreatening 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 in conformity with EN12729 type BA.
- Risk of injury, do not directly discharge a stream of water in the direction of another person.
- 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 the 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 damage caused to other people or their property.

### OPERATING SAFETY



#### **WARNING!**

- For safety reasons, high pressure hoses, valves and couplings must be used with the pressure washer. The new hose-sets supplied with the appliance are to be used. Old hose-sets should not be reused.
- 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 60mm 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 an extension cable is used, the plug and socket outlet must be of a watertight construction.

## SAFETY INFORMATION

- 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.
- 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 the plug from the 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 the 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 nonobservance, there is a risk of fire or explosion occurring.
  - Ensure that the mains voltage matches the information on the label.
  - Before each use check the equipment, power cable and plug for damage, this is to avoid an electrical shock.

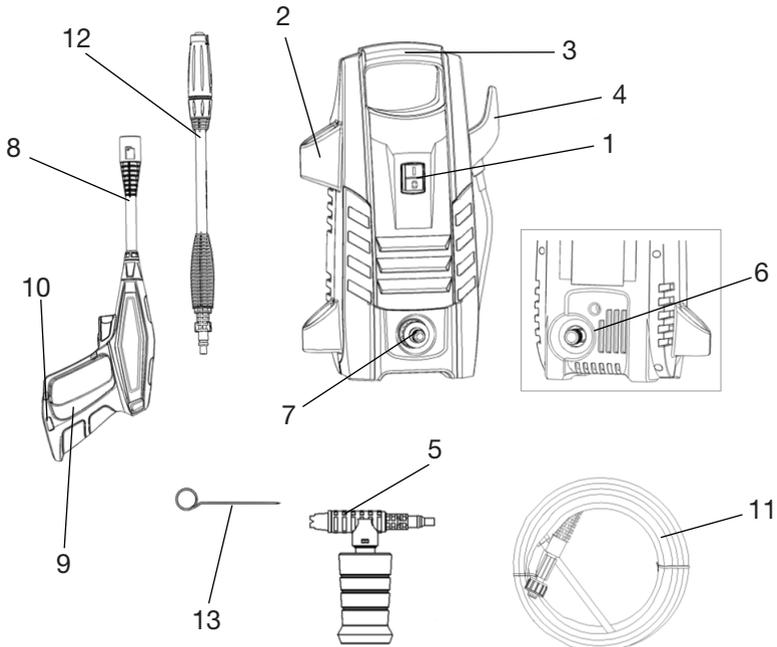
## SAFETY INFORMATION

- 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.

## DESCRIPTION OF PRODUCT PARTS

### Product Parts (FIG 1)

1. On/Off switch
2. Pressure washer gun storage
3. Handle
4. Cable hook
5. Detergent bottle
6. Water outlet
7. Inlet adapter
8. Spray gun
9. Trigger
10. Safety lock-off button
11. High pressure hose
12. Spray lance
13. Nozzle clean pin



## SCOPE OF DELIVERY

Carefully remove the machine from its packaging and check the following parts are enclosed:

- high pressure washer
- high pressure hose
- 1 pc spray gun
- 1 pc spray lance
- 1 pc nozzle clean pin
- 1 pc detergent bottle
- operating manual

If any parts are missing or damaged, please make contact with your dealer.

## INTENDED USE

This high-pressure washer is designed for domestic use only:

- To clean machines, vehicles, buildings, tools, facades, terraces, garden equipment etc. use a high-pressure water jet (and detergents if required).
- To use with accessories, replacement parts and detergents approved by PowerG.
- 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 their legal liability.

## ASSEMBLY



### WARNING!

Make sure the pressure washer is switched OFF and disconnected from the mains power supply before starting to prepare for the below procedures.

### To prepare the pressure washer for use, proceed as follows:

1. Connect the end of the high pressure hose firmly into the trigger assembly. See figure 1 and 2.

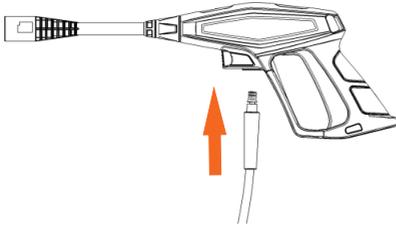


Figure 1

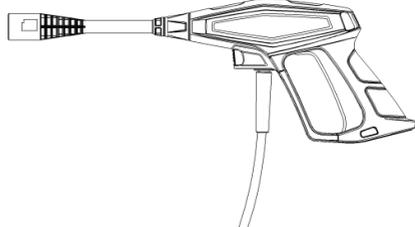


Figure 2

2. Screw the connector on the end of the high pressure hose and trigger assembly onto the water outlet pipe. See figure 3 and 4.

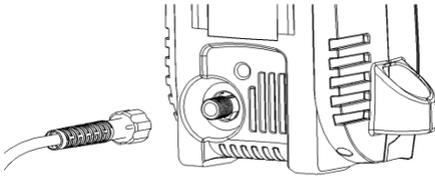


Figure 3

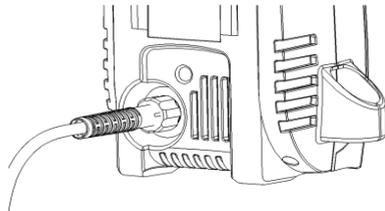


Figure 4

3. Tighten the connector by hand only.
4. Push the trigger lock button through the switch lever to lock the trigger to the OFF position. See figure 5.

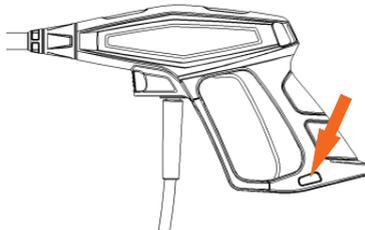


Figure 5

## ASSEMBLY

5. Connect the water supply hose to the water inlet connector. See figure 6 and 7. The water supply hose is not provided with the pressure washer contents.

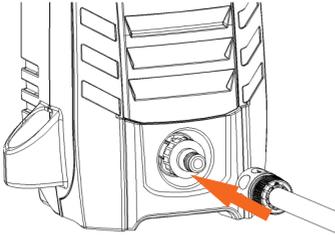


Figure 6

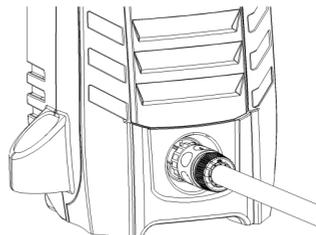


Figure 7



### WARNING!

The temperature of the incoming water supply must not exceed 40°C.

6. Connect the spray lance to the high pressure hose and spray gun assembly. See figure 8 and 9.

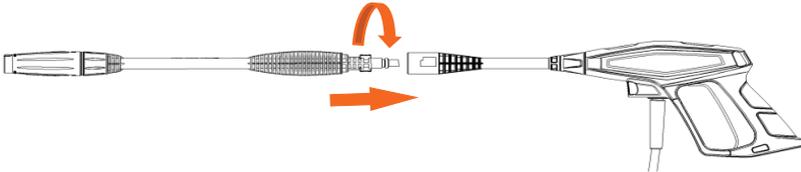


Figure 8

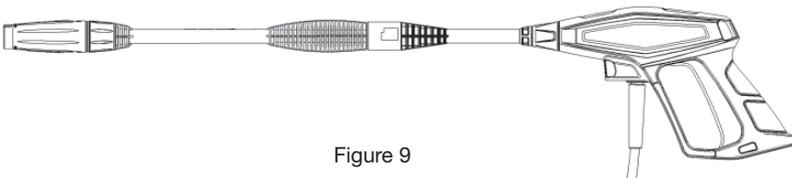


Figure 9

7. Turn on the water supply, make sure that the tap is fully open.
8. Plug the mains power cable into the socket.
9. Release the trigger lock. See figure 10.
10. Press the ON/OFF switch to the ON position (marked I). See figure 11.

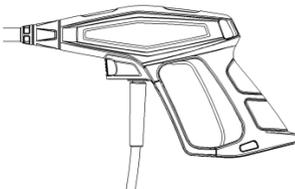


Figure 10

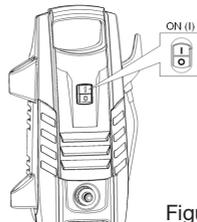


Figure 11

## OPERATION

### Adjusting the spray

The nozzle on spray lance is adjustable to allow you to adjust the spray from a tight beam of water to a wide spray.

To adjust the nozzle, proceed as follows:

1. Hold the shaft of the lance in one hand;
2. Twist the nozzle with the other hand; see figure 12.
3. The tight beam should be used to clean small areas where a small spray is required.
4. The wide beam should be used for cleaning large areas.

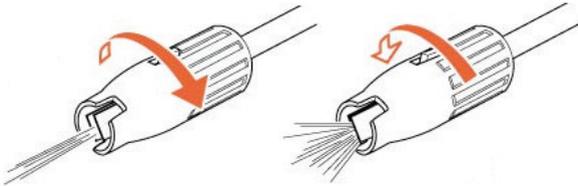


Figure 12

### Total stop system

The pressure washer is fitted with a total stop system to protect the motor when in use.

When the trigger is released the motor will stop.

When the trigger is squeezed the motor will start up again.



#### Caution!

Some painted or treated surfaces may be susceptible to damage from the high pressure jet washer.

When cleaning vehicles for example, always check with the manufacturer whether surfaces are suitable for pressure cleaning or whether any restrictions apply.

Some useful general precautions are:

Never position the nozzle nearer than 30cm to the area being cleaned (if in doubt test on a small area first).

Never use the pressure washer on areas with loose paint or poorly secured trims/fittings.

Always keep the water jet moving over the surface. Do not leave the jet in the same position for a prolonged period as this could cause damage to the surface.

To be sure always check with the suppliers of the item to be cleaned that surfaces are suitable for pressure jet washing.



#### WARNING!

Before using the pressure washer make sure that there are no other people or domestic animals in the work area.

## OPERATION

### Press the high pressure washer ON

To safely turn the pressure washer on, please follow the below instructions.

1. Make sure that the pressure washer has been correctly assembled and prepared for use.
2. Press the ON/OFF switch to ON position marked as I. (Figure 11 above)
3. Adjust the spray.
4. Release the trigger lock and point the nozzle at the area to be cleaned.
5. Squeeze the trigger.
6. Proceed with the clean.

### Press the high pressure washer OFF after use

When you have finished using the pressure washer, follow the procedure shown below to switch OFF and disconnect the unit.

1. Press the ON/OFF switch to the OFF position marked O. See figure13.
2. Turn off the water supply at the tap.
3. Discharge the water in the pump and the high pressure hose by squeezing the trigger for a few seconds or until nothing is coming out.
4. Lock the trigger in the OFF position.
5. Disconnect from the mains power supply.

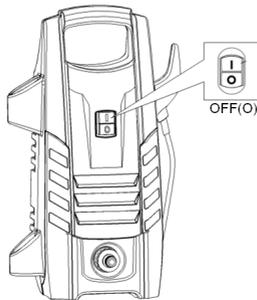


Figure 13

## OPERATION



### WARNING!

Before using the detergent bottle, make sure that there aren't any people or domestic animals in the work area.

### Fitting the detergent bottle

To fit the detergent bottle please follow the below instructions:

1. Make sure that the trigger is locked in the OFF position.
2. Fill the bottle with suitable biodegradable detergent.
3. Fit the detergent spraying nozzle to the bottle by inserting the detergent delivery tube into the bottle and screwing the nozzle on to the head of the bottle. See figure 14.
4. Connect the detergent spraying nozzle to the high pressure hose and spray gun assembly. See figure 15.
5. Release the trigger lock and point the nozzle at the area to be sprayed.
6. Squeeze the trigger.
7. Proceed with the clean.

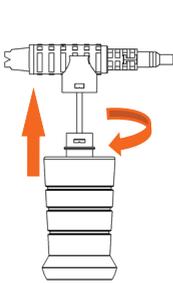


Figure 14

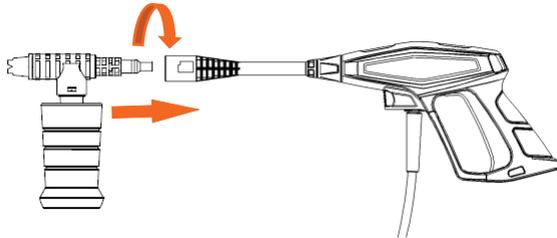


Figure 15

## TECHNICAL DATA

Model	FB514
Input voltage rating	230-240V~
Input power	1400W
Working pressure	6MPa
Max pressure	9MPa
Flow rate	4.5l/min
Weight	4.5Kg
IP degree of protection	IPX5
Safety class	▣ , II
Inlet water temperature (max.)	40 °C
Max. inlet pressure	0.6MPa
Vibration	≤2.5m/s <sup>2</sup>
Measured sound pressure level	81 dB (A), K=3 dB (A)
Guaranteed sound power level	96 dB (A)

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration value has been measured in accordance with a standard test method (according to EN 60335-2-79) and may be used for comparing one product with another. The declared vibration value may also be used in a preliminary assessment of exposure.



### WARNING!

Depending on the actual use of the product the vibration values can differ from the declared total! Adopt proper measures to protect yourself against vibration exposures! Take the whole work process including times the product is running under no load or switched off into consideration!

Proper measures include among others regular maintenance and care of the product and cutting attachments, keeping hands warm, periodical breaks and proper planning of work processes!

## MAINTENANCE AND STORAGE



### WARNING!

Before starting any cleaning or maintenance procedure on the pressure cleaner, ensure the machine is disconnected from the mains power supply.

Keep the body of the pressure cleaner clean and free from debris.

The high pressure hose and spray gun assembly and the lance should also be kept clean.

Regular cleaning of the nozzle is important to the efficient running of the pressure cleaner. The nozzle must be cleaned at regular intervals using the nozzle cleaner provided. See figure 16.

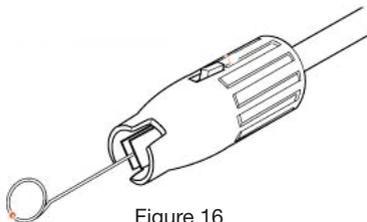


Figure 16

Any worn or damaged parts should be replaced by qualified personnel.

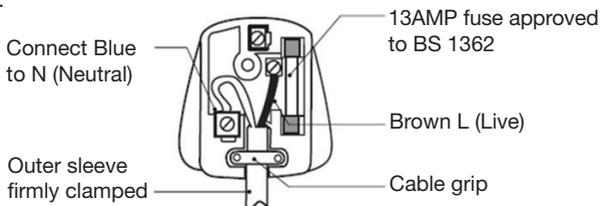
If the mains cable is damaged it must be replaced by the manufacturer or its service agent or similarly qualified person to avoid a hazard.

There are no user serviceable parts inside this cleaner. Refer to qualified service personnel if internal maintenance is required.

If you need to replace the fitted plug, then follow the instructions below.

**IMPORTANT:** The wires in the mains lead are coloured in accordance with the following code: Blue – Neutral Brown – Live

As the colours of the wire in the mains lead of this product may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal, which is marked with N or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked L or coloured red.



### WARNING!

Never connect live or neutral wires to the earth terminal of the plug.

## Storage

Disconnect the high pressure hose and spray gun assembly and the nozzle, and store them carefully in a secure dry place.

Always store the pressure washer out of the reach of children.

Avoid storing the pressure washer in temperatures below 5°C.

Make sure that the pressure washer, the trigger assembly and the lance have been thoroughly cleaned before storing.

## TROUBLESHOOTING

### 1) No power.

- Check the plug socket, cable, line and plug, where appropriate, have repaired through an electrical specialist.
- Any of the parts are defective, such as On/Off switch / motor etc. (please contact the service agent).

### 2) The high pressure washer operates intermittently.

- Power cable is damaged.
- Internal loose electrical connection.
- On/Off switch defective (please contact the service agent).

### 3) None or only little pressure is built up.

- Check if there is any air in the system, if so, please ventilate the machine! Run the machine without the high pressure hose connected until water starts leaking without bubbles. Re-attach the high pressure hose.
- Check all inlet pipes leading to the pump for leaks or clogs.
- Check the setting on the hand-held spray gun.

### 4) Different pressure varieties.

- Clean the high pressure jet nozzle
- Check the water inlet pressure.

### 5) Machine is leaking.

- Please contact the authorized agent.

## **GUARANTEE AND SERVICE**

After purchase date, a full 1 year guarantee applies to material and production defects. If the product shows defects as a result of material and production defects during the period of guarantee, we guarantee free repair on condition that: the product has been used properly and for the purpose for which it has been intended. The accessories are not covered by the guarantee.

If you have any problems or questions concerning the machine, please contact our service centre via 01904 727509.

## DECLARATION OF CONFORMITY

We  
SUMEC UK Co.,Ltd.  
Unit A&B Escrick Business Park,  
Escrick, York, YO19 6FD, UK

Declare that the product:  
High pressure washer  
Model No: FB514

**Complies with essential health and safety requirements of the following directives:**

2014/30/EU	----EMC Directive
2006/42/EC	----Machinery Directive
2000/14/EC & 2005/88/EC	----Noise Directive
2011/65/EU amended by (EU)2015/863	----RoHS Directive

**Standards and technical specification referred to:**

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019  
EN 62233:2008  
EN IEC 61000-3-2:2019  
EN 60335-2-79:2012  
EN 55014-2:2015  
EN 55014-1:2017  
EN 61000-3-3:2013+A1:2019

Authorized Signatory

Date: 2020-05-05



Signature: \_\_\_\_\_

Place: York

Name: Mariana Hall

General Manager

SUMEC UK  
Unit A&B Escrick Business Park  
Escrick, York  
YO19 6FD



BJ 2020