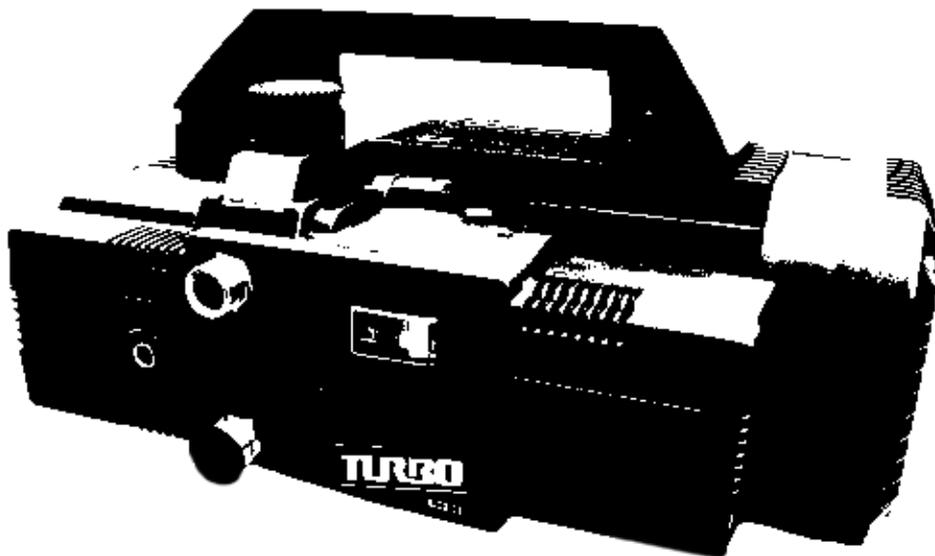




## SAFETY AND OPERATING MANUAL



### QUIKY ELECTRIC WATER BLASTER

**Read Safety & Operating Instructions  
Before Commencing Operation**

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**THESE INSTRUCTIONS MUST BE READ AND ADHERED TO  
BEFORE OPERATING THIS MACHINE.**

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**SAFETY MANAGEMENT PROCEDURES**

Failure to comply with safety recommendations may result in injury to the operator, nearby persons, or damage to property, or this machine.

- Always transport your machine in an upright and horizontal position.
- This machine can cause severe injury if the water jet is pointed at any party of the body, so keep hands, feet, other body parts and animals out of the pressure jet.
- **ALWAYS** wear protective goggles and suitable protective clothing when this operating appliance. Non-slip rubber footwear must be worn when operating this machine.
- **NEVER** let the electric motor switch or electrical cord get wet. **USE AN EARTH LEAKAGE DEVICE.**
- Do not touch the appliance with wet/damp hands or feet and do not use the appliance bare-footed or with unsuitable clothing.
- Do not pull the supply cable or the appliance itself in order to disconnect the plug from the electric supply.
- **NEVER** run the machine without water in the pump.
- Check engine and pump oil daily.
- Check that water connections are tight and that there are no leaks from the machine.
- **DO NOT** work the machine for more than 1 to 2 minutes with gun in **CLOSED** position.
- After switching machine **'OFF'** point lance in a safe direction and press trigger on gun handle to release any built-up pressure before moving or working on this unit.
- Protect machine from weather. **DO NOT** leave out in rain or freezing conditions. **DO NOT** use if water pipes have frozen or if temperatures fall below zero, without taking special precautions.
- In case of damage or malfunction, switch off the appliance and disconnect it from the mains electricity by removing the plug, then call an authorised service person.
- **DO NOT** attempt to fix or repair the unit. All adjustments or overhauls should be carried out by a Kerrick authorized service agent only.
- Use only Kerrick accessories which are designed to operate with your machine.

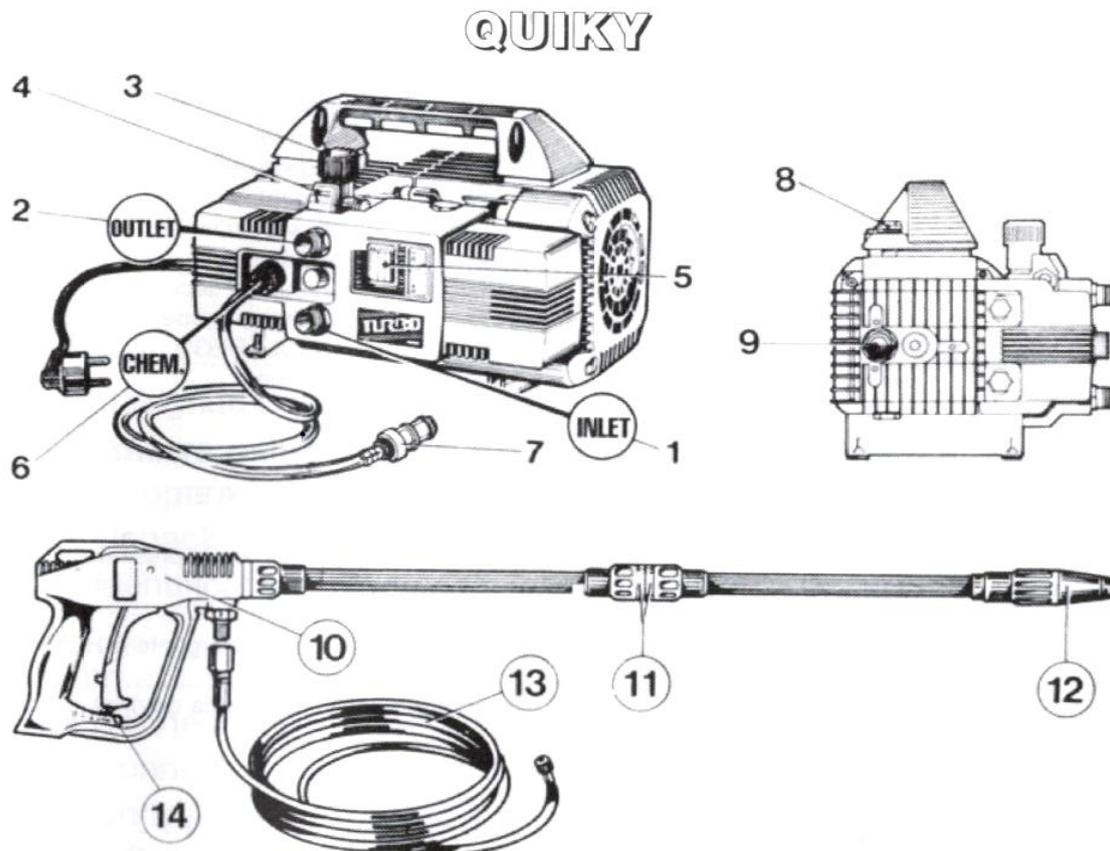
**WARNING:**

- Incorrect use or failure to follow operating and maintenance procedures may produce an injury to a person or damage to the equipment.

## PARTS DESCRIPTIONS

**CHECK CLEANER FOR DAMAGE CAUSED BY TRANSPORTATION, IMMEDIATELY AFTER UNPACKING. IF DAMAGE IS FOUND CONTACT SUPPLIER IMMEDIATELY.**

**FOR SHIPPING REASONS, SOME PARTS MAY BE PACKED SEPARATELY. IN THIS CASE ASSEMBLE PARTS AS INDICATED IN THIS BOOKLET.**



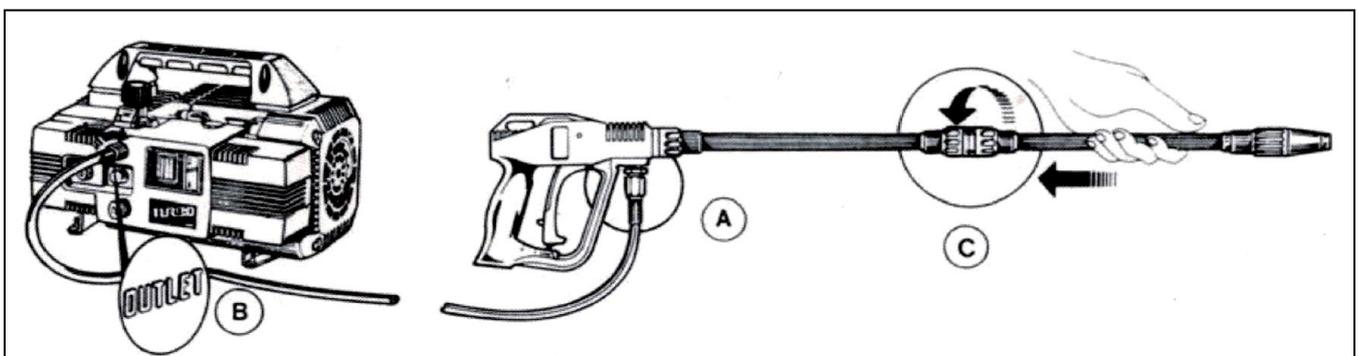
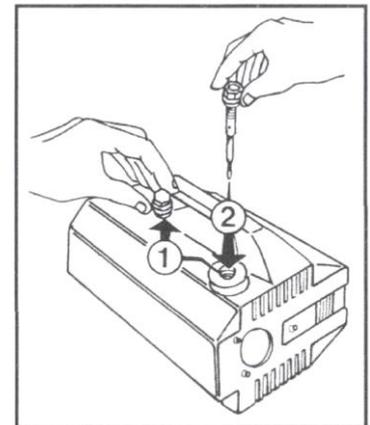
- |  |                        |
|--|------------------------|
| 1) Inlet hose connection with water filter (INLET) | 7) Chemical filter     |
| 2) High pressure hose connection (OUTLET)          | 8) Oil dipstick        |
| 3) Pressure adjusting knob                         | 9) Oil level indicator |
| 4) Pressure indicator                              | 10) Automatic gun      |
| 5) ON/OFF switch                                   | 11) "Quick lance"      |
| 6) Chemical regulator (CHEM.)                      | 12) ROTOTEK / MULTIREG |
|  | 13) High pressure hose |
|  | 14) Safety lock        |

**IMPORTANT:**

- Before using this machine make sure it has an ID label. If it does not have a label, do not use the machine and consult your distributor immediately.
- The identification label with technical specifications is placed on the back of the machine and is always visible.

**SET UP PROCEDURES**

- a) Replace the red travel plug (1) with the vented black/yellow dipstick provided (2).
- b) Check that the oil in the sight glass sits at the half way level (top up if necessary).
- c) Connect one end of the high pressure hose to gun (A) and the other to the outlet connection (B).
- d) Assemble the lance by pushing the two halves together and then fix by turning the connector (C).



- e) Connect the water supply to the Inlet port (D) by means of a reinforced hose (minimum 15 bar / 200 psi) with an internal diameter of no less than 13mm (1/2").
- f) Water flow decreases as the length of hose gets longer. Therefore, make sure the quantity of water supplied to the machine is not less than the quantities indicated in the chart on the right.
- g) The pressure of the inlet water must not exceed 10 bar / 145 psi.
- h) If the user prefers to power the water blaster via a water tank and suction, simply immerse the end of the supply tube in a clean tank of water. 1 meter is the maximum suction depth considered (distance in height between the water surface and the pump).

Quiky Model	Flow Rate of Water Supply
890	11l/min
10 100	15 l/min

**WARNING:**

- The maximum temperature of the inlet water must not exceed 60°C.
- Water supplied to the machine must be clean. Running the machine with no water or with water that contains grit or corrosive liquids will cause catastrophic damage to the machine.

**CONNECTING TO THE ELECTRICAL SYSTEM**

- a) Check that the voltage of the electrical systems (mains supply) is the same as what is indicated on the machine’s ID label.
- b) Check that the plug supplied complies with local safety regulations, and that it is provided with an earthed connection.
- c) Check electrical cords, switch and plugs for damage. **DO NOT USE** if damage is found or if electrical wiring is suspect. Call a Kerrick service agent if in doubt.
- d) Do not connect other appliances to the same power outlet while using the machine.
- e) Fully unwind the power cord when in use, to prevent overheating.
- f) Use only extension cables with the same number of conductors as those of the machine cable (including the earth) and with a suitable plug/socket for the cable to be used.
- g) Only use extension cords designated for outdoor use. Such cables are marked “Suitable for outdoor use.” This extension cord must be stored indoors when not in use.
- h) Do not use a damaged extension cord. Cables should not be located near sources of heat, sharp edges or water. Always disconnect the plug from the socket before removing the extension cord from the product.

<b>WARNING</b> <b>USE OF INADEQUATE</b> <b>EXTENSION CORDS</b> <b>MAY CAUSE SAFETY</b> <b>HAZARDS</b>	<b>SELECTION TABLE</b>		
	Voltage	Extension cord length	Cord section mm <sup>2</sup>
	<b>TURBO 8/70 - 11/50 - 15 - 19 - 21</b>		
	220÷240	Up to 20 m	1,5
220÷240	From 20 to 50 m	2,5	
100÷115	Up to 20 m	2,5	
100÷115	From 20 to 50 m	4	
<b>TURBO 8/90 - TURBO 11/70 - TURBO 10/100</b>			
220÷240	Up to 20 m	2,5	
220÷240	From 20 to 50 m	4	

**START UP**

Before starting up the machine, ensure that it’s positioned on flat ground or leaning against a stable support and that the resisting surface is level or with a minimum slope.

It is **ESSENTIAL** that you ensure the suction filter / inlet filter is clean before use (see maintenance).

- a) Whilst setting up **keep machine switched off and unplugged** from mains.
- b) Connect water intake hose to pump.
- c) Fit discharge hose to quick lance / shut off gun.

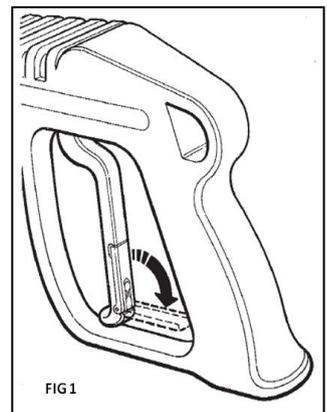
- d) Check that pump has correct oil content – check sight glass. Oil should be half way up sight glass. Also check breath hole in oil cap is clear. To stop oil from spilling when transporting machine the breath hole may be closed by a pin, adhesive tape or a sealed cap. Remove pin, adhesive tape or replaced sealed cap with dip stick cap, so that breath hole is clear.
- e) Set the pressure to zero by turning the knob anti-clockwise.
- f) Turn on water supply. Maximum inlet water temperature must not exceed 60° C.
- g) Check that there are no water leaks and ensure that the hose has no kinks or twists.
- h) Before starting, point the lance to a safe position and open the gun trigger to release any built-up pressure in the system. **CHECK** water is flowing through the machine and out the lance prior to starting.
- i) Once all checks have been completed, plug the unit into the electrical mains supply.
  - With single phase machines an earth leakage device is recommended.
  - Never let electric cords lie in pools of water
  - Keep plugs and motor dry at all times
  - **DO NOT** use long extension cords
- j) Turn machine switch to the “**ON**” position while holding the trigger on the shut off gun open to relieve back pressure.
- k) Releasing the trigger will shut off the water flow.
- a) Adjust the machine to your required pressure and then begin water blasting.
- l) After turning unit off **ALWAYS** release pressure in gun. **DO NOT** leave pressure built up in the hose gun.

To eliminate any impurities or air bubbles from the water circuit we advise starting the cleaner for the first time without the lance and letting the water run out for a few seconds. Impurities could block the nozzle and cause malfunction.

**ALWAYS TURN OFF POWER SUPPLY AT THE WALL SOCKET AFTER USE, OR IF MACHINE FAILS TO OPERATE.**

**WARNINGS:**

- **Never let the unit run for more than 1 to 2 minutes with the gun closed.** Water will recycle within the pump head and heat up, causing damage to seals.
- **Never let pump run dry of water** as this can cause catastrophic damage to the pump.
- When your water blaster is not in use, close the safety device on the handle (FIG 1).



**IMPORTANT:**

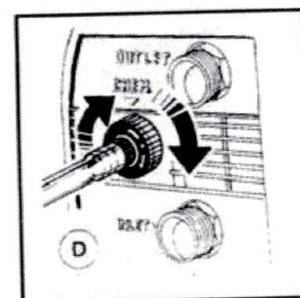
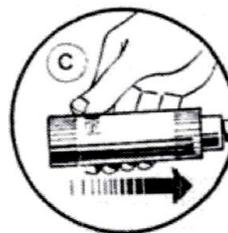
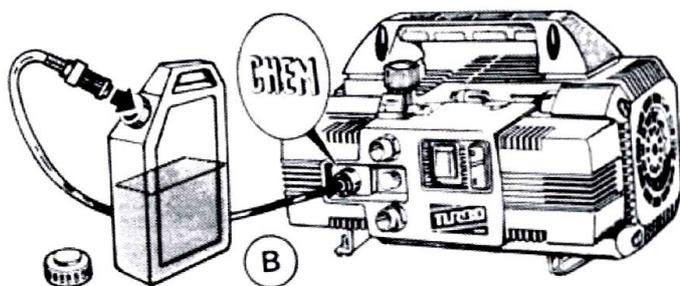
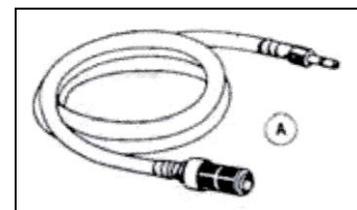
- Do not cover the machine during use; ensure it's used in a well ventilated area.
- This machine is equipped with a thermal protector which trips and electrically disconnects the motor when it overheats. Carefully read the troubleshooting guide before re-starting the unit again.

**THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY OPERATORS DISRESPECTING THE DESIGNATED USES OF THIS MACHINE, ITS INSTRUCTIONS AND WARNINGS INDICATED IN THIS BOOKLET.**

**DETERGENT APPLICATION**

The unit can suck and mix detergents and other liquid chemicals thanks to an automatic device incorporated in the unit itself, which is remote controlled by operated the ROTOREK nozzle.

- The unit is equipped with a chemical suction kit (Fig. A).
- Fit the brass connector to the chemical control knob and filter into the chemical container (Fig. B).
- Select low pressure with a ROTOTEK (Fig. C).
- At this point the suction and mixing of the chemical will start automatically.
- You can regulate the quantity of chemicals by adjusting the chemical control knob (Fig. D).
- When you wish to stop using chemical (in order to clean or rinse), simply release the gun trigger and adjust the ROTOTEK to high pressure. At this point the chemical injection automatically stops.



**IMPORTANT:**

- To extend the life of your cleaner, run the machine with clean water after every application of chemical.

## Use of ROTOTEK or MULTIREG 99

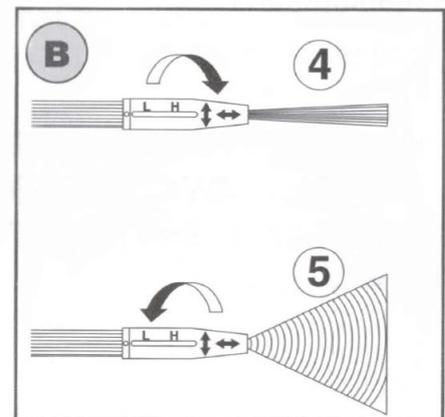
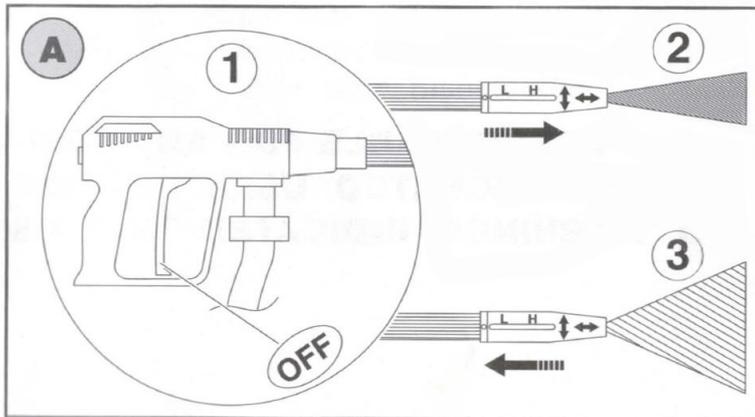
Pressure selection must be carried out with a closed gun (1).

### Pic A: Selection of the pressure

- High pressure (2)
- Low pressure (3)

### Pic B: Selection of the jet

- Straight pin jet (4)
- Fan jet (5)



## GENERAL CARE & MAINTENANCE

### INSTRUCTIONS FOR STORAGE & PRECAUTIONS AGAINST FREEZING

This machine should be cleaned daily after use, and checked for any maintenance requirements. After using the detergent system it should be flushed with clean water. Simply stand the detergent intake in a clean bucket of water and run the machine with the pump nozzle or valve open for one minute.

Release any pressure in the hoses by depressing the trigger on the gun. Drain surplus water from hoses and check for damage before storage. If the hoses are damaged in anyway, replace immediately. Make sure hoses are stored with no kinks in them.

Check oil levels in both pump and motor. Allow motor to cool down before storage.

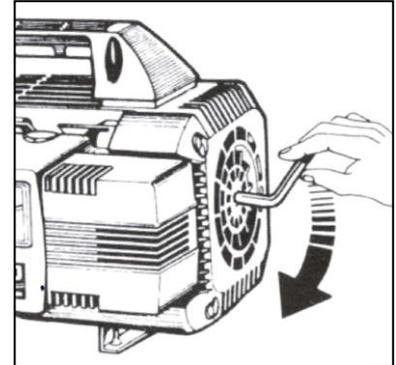
Store your water blaster indoors and in a dry area. Never leave equipment outside unprotected from the elements. In particular do not leave equipment in low or sub-zero temperatures. In very cold conditions it may be necessary to protect equipment by flushing it with antifreeze. When storing the cleaner for long periods we also recommend the use of antifreeze solution in order to avoid corrosion and drying up of the pump seals.

To do so:

- Mix up antifreeze mixture in a separate container, as per manufacturer's instructions.
- Couple the container to the intake of the machine and gravity feed to pump.
- Run machine for one minute to ensure system is primed with antifreeze mixture.
- On stopping the machine, release pressure in hose by pulling trigger.

**Remember:** If the machine is operated in an area where freezing occurs, always check that water lines are not frozen and take precautions to ensure that water does not freeze with the pump. **Before starting** check that the water flow is normal. If in doubt do not use the machine.

If in doubt about low temperatures or any long length of storage time, we suggest you turn the motor with the key provided before starting up. This activity helps to release any possible blockages like ice or a buildup of lime scale deposits. Taking these precautions before starting will avoid damage being caused to the unit.



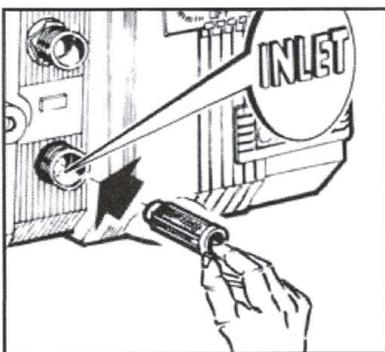
Remember to always remove the key before switching the machine on.

### **OIL CHANGE**

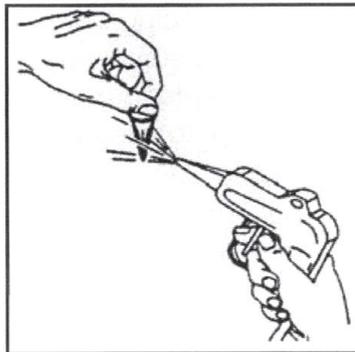
- a) Regularly check the oil level to ensure it sits at the half way point in the sight glass, top up as required.
- b) Oil must be changed after the first 20 hours of operation of the machine. Subsequent oil changes must be carried out every 150 hours of machine operation. It must be changed at least once a year.
- c) Used oil must be collected in containers and disposed of in special centers according to current standards. It must not be discarded into the environment.

### **CLEANING THE INLET FILTER**

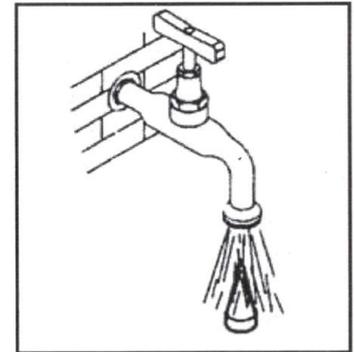
Before using the machine it is important to make sure the filter is clean. Wash the filter under a clean water tap or blow it with air to remove any dirt and debris. A well cleaned filter will help to improve your water blaster's performance and prolong the life of your machine.



Remove filter from water inlet.



Blow the filter with air.



Wash the filter under a water tap.

## DISPOSAL OF THE MACHINE

In the case you should no longer require the use of this machine, it is advised to disconnect the power cord making the machine inoperable.

The machine is considered “Special Waste” therefore do not dispose of it with regular household rubbish. Used electric and electronic equipment must be handled separately and in compliance with the local regulations relating to the treatment, recovery and recycling procedures of said products.

**NOTE:** Incorrect use or failure to follow operating and maintenance procedures may produce an injury to a person or damage to the equipment.

**REMEMBER:**

- Follow safety instructions.
- Open trigger on gun when starting up and shutting down to back off pressure.
- Do not run unit dry of water and check oil levels regularly.
- Do not leave running with shut off gun closed for more than 1 or 2 minutes
- Keep electric motor, switch, electric lead and plugs dry.
- Use an earth leakage device.

## TROUBLE SHOOTING

WATER SYSTEM AND WATER PUMP		
Trouble	Possible Cause	Remedy
The pump is running but maximum pressure is not obtained.	Air sucked into pump	Check suction hose and fittings
	Worn or dirty valves	Clean or replace as required
	Inlet suction strainer clogged or improper size	Clean. Use adequate size. Check more frequently
	Worn packing. Abrasives in pumped fluid or severe cavitation	Install proper filter available to pump. Check and/or replace packings.
	Fouled or dirty inlet or discharge valves	Clean inlet and discharge valve assemblies
	Worn inlet or discharge valves	Replace worn valves, valve seats and/or discharge hose
	Leaky discharge hose	Secure leak or replace hose
Fluctuating or decreasing pressure	Damaged, dirty or clogged valves	Check, clean and/or replace
	Air is being sucked into the system	Check suction hose and fitting for damage. Replace if required
	Worn packings	Check and/or replace packings.
	Dirty filter	Remove and clean filter using running water and place back into machine.
Water dripping from under pump	Piston packing worn	Check packings
	Packing o-rings worn	Replace o-rings

<b>WATER SYSTEM AND WATER PUMP</b>		
<b>Trouble</b>	<b>Possible Cause</b>	<b>Remedy</b>
Excessive Noise	Air Suction	Check suction hose and fittings for damage and loose connections.
	Damaged, dirty or stuck valves	Clean or replace as required
	Worn bearings	Check and replace as required
	Water temperature too high	Lower water temperature to under 60°C
	Dirty filter	Remove and clean filter using running water and place back into machine.
Presence of water in oil	Leakage of packing seals	Replace packing
	High air humidity	Change oil twice as frequently as advised
Oil leakage	Oil seals worn	Replace oil seal
Motor hums but does not run when turned on	System voltage is lower than the minimum advised	Check that power source is adequate
	The pump is stuck or frozen	Turn the motor using the key (see page 9)
	Extension cord is incorrect	Check extension cord is appropriate using the Extension Cord Table (page 5)
The motor does not start when switched on	The plug is not well connected or there is no power supply	Check the plug, cord and switch
The motor stops	The thermal protector has tripped due to overheating	Check that the mains voltage corresponds with the voltage required by your machine. Switch off the motor and let it cool down for a few minutes before tuning on the unit again.

## **KERRICK SERVICING**

Kerrick’s workshop facilities are staffed by experienced technicians providing servicing, repair and manufacturing for a range of products including; water blasters, vacuum cleaners, extractors, pressure cleaners, pumps and more. We work on everything from commercial and light industrial to large heavy duty equipment and offer customized design build services. We also warehouse and ship a comprehensive range of spare parts for your convenience.

**For more information on your product, to book in a service or repair or to order spare parts give Kerrick a call or send through and enquiry on our website. Contact details can be seen below:**

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