



PRESSURE WASHER 170BAR - LANCE CONTROLLED PRESSURE WITH TSS & ROTABLAST® NOZZLE

MODEL NO: **PW2400**

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 ear protection



Wear safety footwear



Wear protective clothing



DO NOT direct jet against yourself, other persons, animals, electrical equipment or the machine itself.

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.
- Electrical safety information.** It is important that the following information is read and understood:
 - ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
 - ✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 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.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.
- ✓ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- ✓ 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 30mA for 30ms or a device that will prove the earth circuit.
- WARNING!** Inadequate extensions 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.

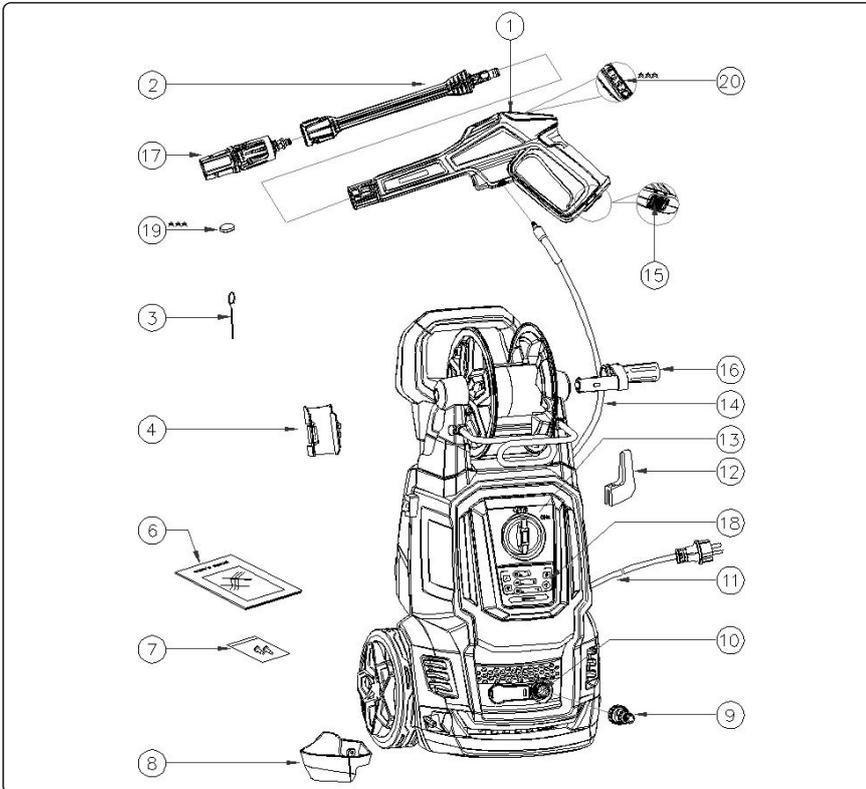
1.2. GENERAL SAFETY

- ✓ Machines shall not be used by children. Children should be supervised to ensure that they **DO NOT** play with the machine.
- ✓ The appliance shall be disconnected from its power source during cleaning, service and when replacing parts and, if that the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.
- WARNING!** Risk of explosion – **DO NOT** spray flammable liquids.
- WARNING!** High pressure cleaners shall not be used by children or untrained personnel.
- WARNING!** To ensure machine safety, use only original spare parts from the manufacturer or approved by the manufacture.
- 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!** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such a timer, or connected to a circuit that is regularly switched on and off by the utility.
- ✓ 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.
- WARNING!** This machine has been designed for use with cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the machine.
- 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 this 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 footwear.
- 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.
- ✗ **NEVER** point the high-pressure nozzle at people or animals.
- ✗ **NEVER** drink alcohol or use drugs while operating the pressure cleaner.
- ✗ **NEVER** operate the pressure cleaner while standing in water.
- ✗ **NEVER** touch the electrical plug with wet hands.
- ✗ **NEVER** let electrical connections rest in water.
- ✗ **NEVER** operate pressure cleaner without the water turned on.
- ✗ **NEVER** use hot water with this pressure cleaner.

2. INTRODUCTION

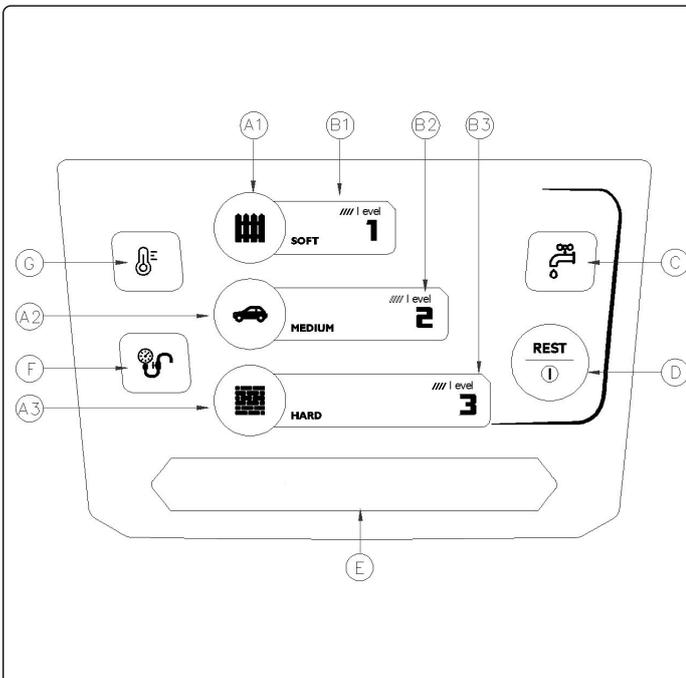
Features lance controlled pressure adjustment with three power settings. Low power for soft cleaning, Medium power for vehicles and High power for patio and brickwork. Quick release nozzle system allows for fast selection between fan and Rotablast® nozzle. Pressure gun includes lock to avoid accidental activation. 2400W Motor produces up to 170bar of pressure with an impressive 450L/hr flow rate. Automatic Total Stop System (TSS) which switches the motor on and off when the trigger is operated, prolonging motor life. 5m Inline pressurised hose reel and heavy-duty wheels for ease of use. Built-in detergent tank that filters into the jet stream, perfect for use with the Low power mode with no need to change the lance. Supplied with 5m power cable for extended reach and snow foam/detergent sprayer.

2.1. OVERVIEW



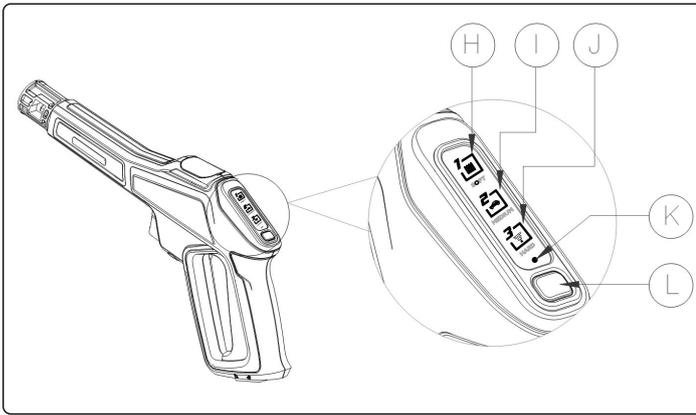
1	Trigger gun
2	Lance
3	Cleaning Pin
4	Gun Holder
5	Water Outlet Pipe
6	Manual
7	Screws Package
8	Gun Saddle
9	Water Inlet Connector
10	Water Inlet Pipe
11	Power Cord
12	Power Cable Hook
13	ON/OFF Switch
14	High Pressure Hose
15	Lock-off Switch
16	Hose Reel Handle
17	Quick Nozzle
18	Host Control Panel Switch
19	Battery
20	Trigger Gun Remote Control Switch

2.2. CONTROL PANEL



A1. Level 1 button	1. Set working level button 2. Wireless pairing mode button (hold Level 1 and Level 3 button). 3. Exit wireless pairing mode button (hold one button for 2s).
A2. Level 2 button	
A3. Level 3 button	
B1. Level 1 indicator	Indicator light shows the current level
B2. Level 2 indicator	
B3. Level 3 indicator	
C. Water shortage warning indicator	1. Indicator light is red: water supply insufficient. Motor stops running. 2. The indicator light is green: the water supply is stable.
D. Multi-function button	Run/pause/reset
E. Running indicator	1. Light on = machine operating normally 2. Light off = machine stops running. 3. Light flashes = machine is in wireless pairing mode
F. Holding pressure indicator	Light On = pump in a pressure-holding state
G. Over temperature warning indicator	Green = Motor temperature is normal. Red = Motor too hot, automatic cut-out.

2.3. TRIGGER GUN REMOTE CONTROL SWITCH

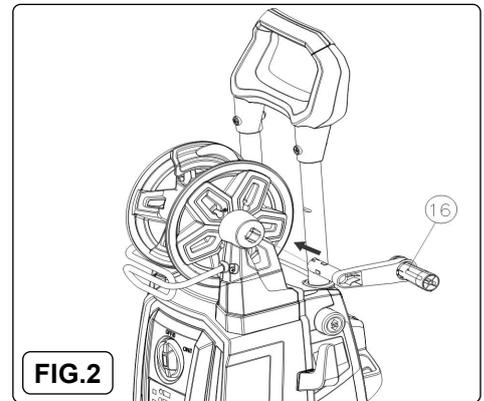
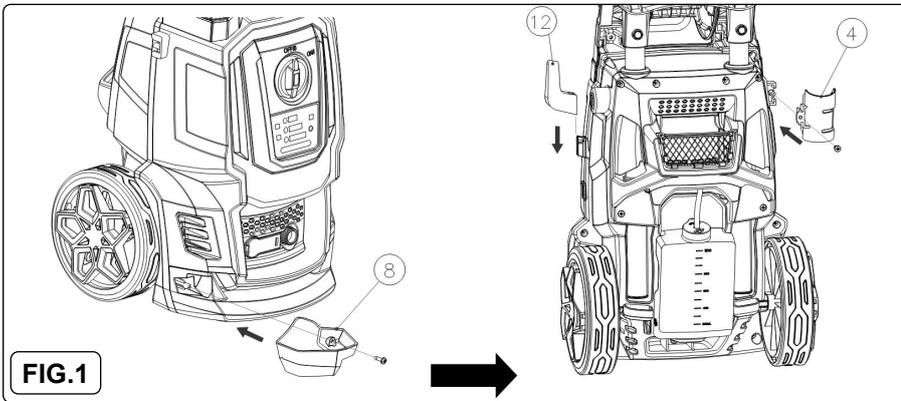


H. Level 1 indicator	After switching the gear on the remote control, the indicator shows the currently set gear, and then the indicator goes out.
I. Level 2 indicator	
J. Level 3 indicator	
K. Status indicator	<ol style="list-style-type: none"> 1. The status indicator flashes quickly in pairing mode. 2. The status indicator is off when successfully paired with the host. 3. The status indicator flashes 3 times slowly when the battery is low, indicating that the battery needs to be replaced.
L. Multi-function button	<ol style="list-style-type: none"> 1. Switch working level button 2. Wireless pairing mode button 3. Exit wireless pairing mode button

3. SPECIFICATION

MODEL NO:	PW2400		
Battery for Trigger Gun:	CR2450/3V	Noise Pressure:	76.9 dB(A) L_{PA}
Effective Cleaning Power:	170bar	Nozzles:	Rotablast® and Fan
Electrical Class:	Class 2	Peak Water Temperature:	50°C
Hose Length:	5m	Plug Type:	3-Pin BS
IP Rating:	IPX5	Power Supply Cable Length:	5m
Maximum Inlet Pressure:	12bar	Rated Pressure:	120bar(1740psi)
Maximum Pressure:	170bar(2350psi)	Rotablast Nozzle®:	Yes
Maximum Water Flow:	450L/hr	Supply:	230V~13A
Motor Power:	2400W	Vibration/Uncertainty:	1.309 / 1.5m/s ²
Nett Weight:	13.2kg	Water Flow Rate:	6.5/7.5L/min
Noise Power:	89.8 dB(A) L_{WA}		

4. ASSEMBLY



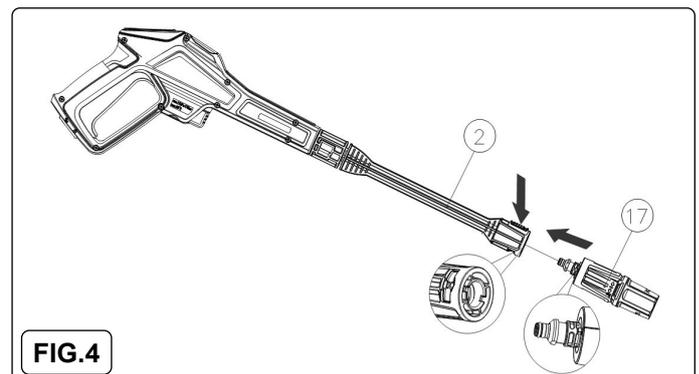
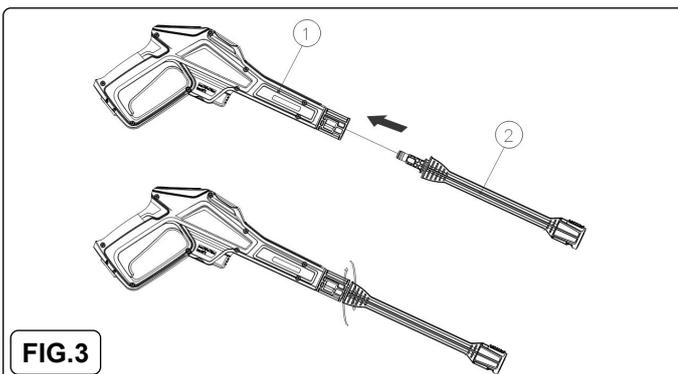
4.1. MOUNT THE GUN SADDLE GUN HOLDER AND POWER CABLE HOOK (FIG.1)

- 4.1.1. Screw the gun saddle (8) tight to the main body (1 screw).
- 4.1.2. Screw the gun holder (4) tight to the main body (1 screw).
- 4.1.3. Install power cable hook (12) to the main body.

4.2. MOUNTING OF HOSE REEL HANDLE (FIG.2)

- 4.2.1. Install hose reel handle (16) to hose reel with a "click".

NOTE: When attaching, align the projections on the hose reel handle with the grooves on the hose reel.

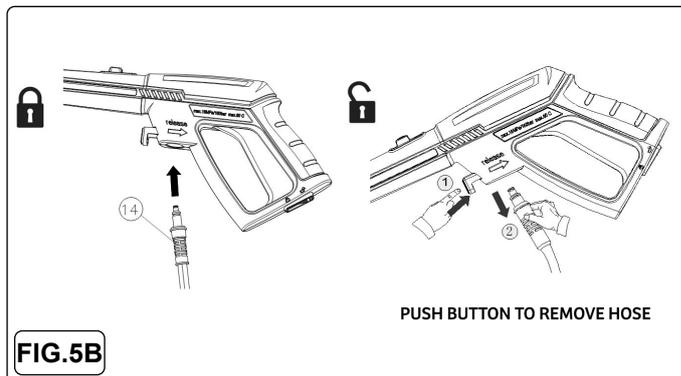
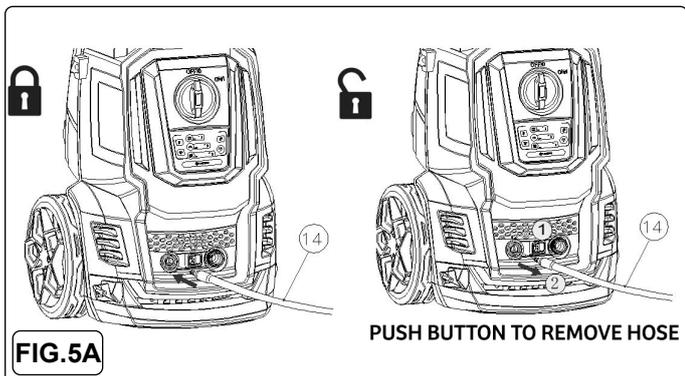


4.3. ATTACH THE LANCE INTO THE TRIGGER GUN (FIG.3)

- 4.3.1. Push the lance (2) into the trigger gun (1) and fasten it by turning it through 90°.
- 4.3.2. When the pieces are joined properly, you cannot separate the two components by pulling straight out on the lance. All attachments must be inserted into the gun for proper use.

4.4. ATTACH QUICK NOZZLE TO THE LANCE (FIG.4)

- 4.4.1. When attaching, align the projection on the quick nozzle (17) with the groove on the lance (2) with the button held.



4.5. ATTACH & DETACH THE HIGH PRESSURE HOSE (FIG.5A & 5B)

- 4.5.1. Attach one end of the high pressure hose to the pressure water outlet pipe of the machine.
- 4.5.2. Unwind the high pressure hose completely and attach the other end of the high pressure hose to the trigger gun.
NOTE: After the high pressure hose is connected, check the connection by gently pulling on the hose to ensure it stays connected. Push the lock button and pull to detach the high pressure hose. For detaching the hose easily, please pull the trigger to drain water from trigger gun when operation is completed and switch is in "OFF/O" position.

4.6. ATTACH THE GARDEN HOSE (FIG.6)

- 4.6.1. Remove the plastic plug from the water inlet pipe of the machine and screw the water inlet connector onto the water inlet pipe, then connect one end of the home garden hose (not supplied) to the water inlet connector and another end to water source.

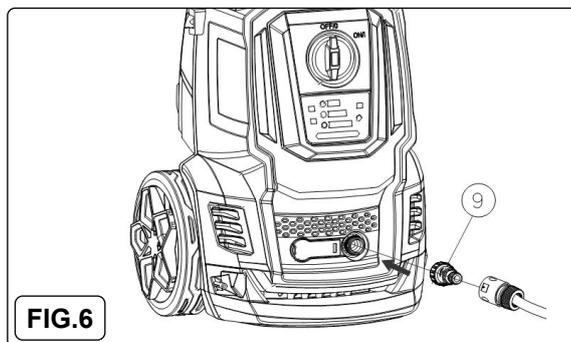
- ❑ **WARNING!** The appliance is INTENDED to be used at a temperature above 0°C.
- ❑ **WARNING!** The hose can not be damaged and leak or have an inner diameter less than 1/2" with a length greater than 8m.

4.7. CONNECT TO THE MAINS POWER SUPPLY

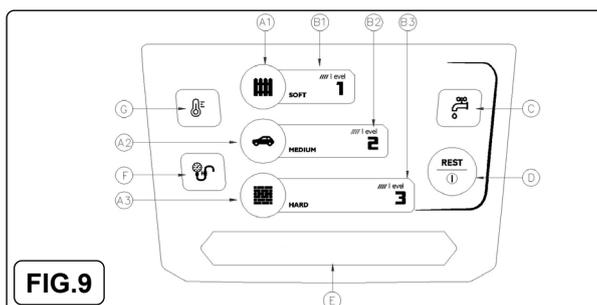
- 4.7.1. Plug the pressure washer into the mains supply.

4.8. BLEEDING THE GUN

It is very important to bleed the gun before using the pressure cleaner. Refer to the "Assembly Instructions" to assemble the pressure cleaner. To bleed the gun, simply connect the garden hose to the pressure cleaner and squeeze the trigger BEFORE turning the electrical supply on. This allows any air trapped inside the pressure cleaner and gun to be removed before using the unit. Continue holding 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. OPERATION



- ❑ **WARNING!** During operation the appliance must be positioned on a firm, stable surface. **DO NOT** loop the hose whilst in use.

5.1. TURN THE WATER SOURCE ON (FIG.7)

- 5.1.1. Squeeze the trigger for 1 minute to purge the appliance of low pressure water and air.
- ❑ **WARNING!** This unit is intended to be used with cold water only! **DO NOT** use hot water in this pressure washer.

5.2. TURN ON THE SWITCH (FIG.8)

- 5.2.1. Turn the switch of the high pressure washer to the "ON/I" position, when the switch indicator (B1/B2/C/G) on the host control panel is green, press the multi-function button (D) to start up the machine. The running indicator light is now on.
- ❑ **WARNING!** If the indicator light is not bright or other colours, please contact an authorised service centre.

5.3. SELECT THE RIGHT LEVEL (FIG.9)

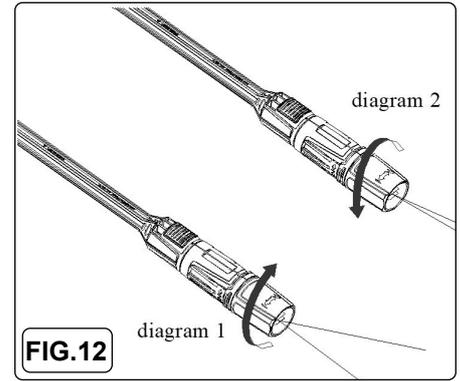
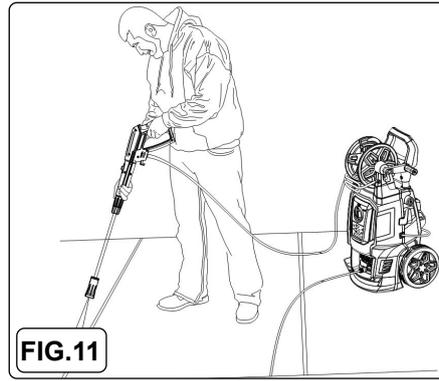
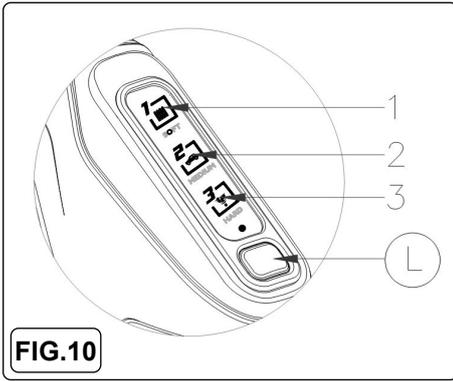
- 5.3.1. Press level 1 button (A1) for cleaning fences, cement terraces, stones, bricks, etc.
- 5.3.2. Press level 2 button (A2) for cleaning cars, boats, motorcycles, etc.
- 5.3.3. Press level 3 button for cleaning barbecue grills, power equipment and garden tools, etc.

NOTE: The default level is level 2 after start.

5.4. WIRELESS PAIRING

- 5.4.1. **Machine controls:** long press Level 1 button and Level 3 button at the same time for 2 seconds to enter wireless pairing. In pairing mode, the indicator light flashes slowly, long press one button for 2 seconds to exit pairing.

5.4.2. Remote control: long press multi-function button for 5 seconds to enter pairing mode, the indicator light flashes fast. If the pairing is successful, the indicator light goes off, and the level indicator light will show the current machine level; if the pairing fails, the machine will exit pairing mode after 10 seconds. You can also press the multi-function button for 2 seconds to manually exit the pairing mode.
NOTE: After successfully paired, the machine will only be controlled by the paired remote control.



5.5. TRIGGER GUN REMOTE CONTROL BOARD OPERATION (FIG.10)

5.5.1. When the host is successfully paired, lightly press the multi-function button (L) to switch the levels, the level switching sequence is 1-2-3-1. When the level are switched, the level indicator shows the currently set level, and then the indicator goes out.

NOTE: The default level is level 2 after start.

NOTE: The adjustable control range of the remote control is within 10m. Try to avoid interference signals between the host and the remote control when pairing.

5.6. CLEANING (FIG.11 & 12)

❑ **WARNING!** Before pressing trigger, make sure lock-off switch is in “unlock” position.

❑ **WARNING!** When operating the machine, it is forbidden to use in the inverted state.

NOTE: Whenever you use the high pressure washer, we suggest you grip the in the right position, with one hand on the handle and the other on the adjustable spray nozzle.

5.6.1. Squeeze the trigger, high pressure water flow will come out.

5.6.2. Rotate the adjustable nozzle collar to change it from a full fan spray to a direct stream spray (fig.12).

NOTE: The water shortage warning light (2.2-C) will be red and flashing, and the motor will stop running when there is water shortage or water flow is unstable. Please check if the water source is connected and turned on.

5.6.3. Begin with the nozzle 1-2ft away from the surface and approach with caution. Spraying too close can damage the surface.

❑ **WARNING! DO NOT** connect the machine to water supplies that are dirty, rusty, muddy, or corrosive, including window cleaning liquids, plant foods, or fertilizers etc.

5.6.4. Release the trigger and turn off the multi-function button on the main unit or the trigger gun.

5.6.5. After cleaning work is completed, turn the switch to the “OFF/O” position.

5.6.6. Turn off the water supply.

NOTE: When not in use, make sure Lock-off switch is in “Lock” position.

NOTE: When the pump is still in the pressure-holding state after shutdown, the pressure-holding indicator (2.2-F) will flash slowly until the power is exhausted. A gun needs to be fired to release the water pressure in the water pump.

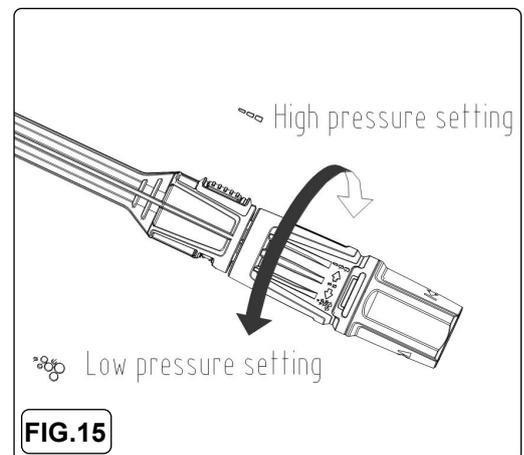
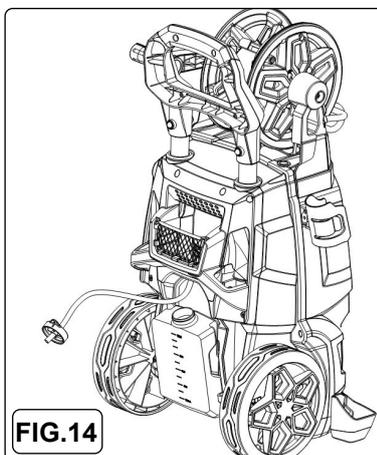
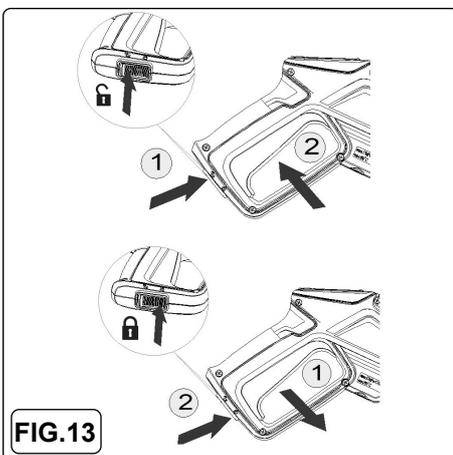
5.6.7. Unplug the power cord from the power outlet.

❑ **WARNING!** Check that the supply voltage and frequency correspond to those specified on the appliance data plate. The appliance should only be connected to a mains power supply via a security breaker (Max.30mA) to cut off the electricity supply in the instance of a short circuit.

5.7. SAFETY VALVE AND/OR PRESSURE LIMITING VALVE

❑ **WARNING! DO NOT** tamper with or adjust the safety valve setting.

The safety valve is also a pressure limiting valve. When the gun trigger is released, the valve opens, pressure switch action, the machine automatically shut down. If the gun nozzle is blocked, will cause the machine pressure rises, the safety valve opens, the pressure switch action, the machine automatically shut down, you can refer to the following to use a needle to clean the nozzle.



5.8. THE SAFETY BUTTON OF TRIGGER GUN (FIG.13)

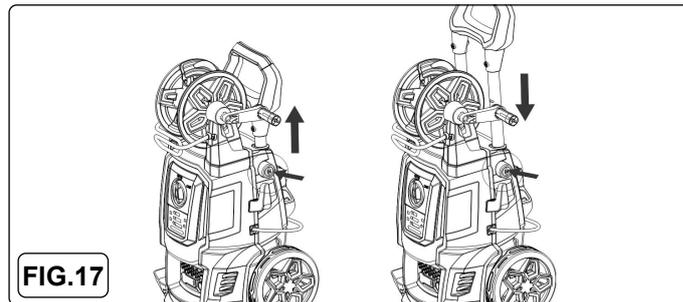
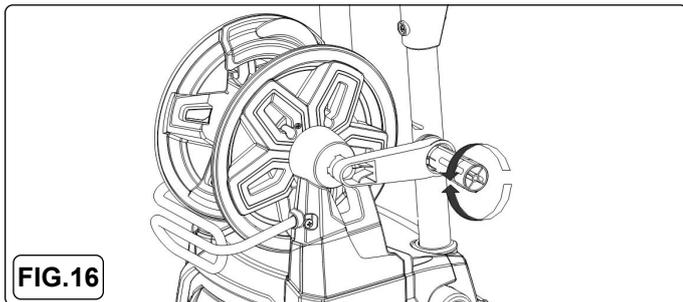
5.8.1. Press the unlock button to unlock the trigger for spray operation.

5.8.2. When the trigger is released, it will return to the off position automatically.

5.8.3. When not using the pressure cleaner, press the lock button to keep from accidentally engaging the high pressure spray.

5.9. TO WASH WITH DETERGENT (FIG.14 & 15)

- 5.9.1. Unscrew the cap on the detergent bottle and add appropriate detergent. Then screw the soap tank knob.
- 5.9.2. Rotate the High/Low pressure nozzle into low pressure mode.
- 5.9.3. Squeeze the trigger, detergent will come out through the adjustable nozzle.
- 5.9.4. Apply detergent so it thoroughly covers cleaning surface.
- 5.9.5. Allow detergent to remain on the surface for few minutes, this is a good time to use a brush to lightly scrub heavily soiled areas.
- 5.9.6. Set the adjustable nozzle into high pressure mode.



5.10. USE THE HOSE REEL (FIG.16)

- 5.10.1. To unwind the hose, turn hose reel handle clockwise, to wind the hose, turn hose reel handle counter clockwise.

NOTE: Pull the hose reel handle out and uncoil hose from the hose reel before use.

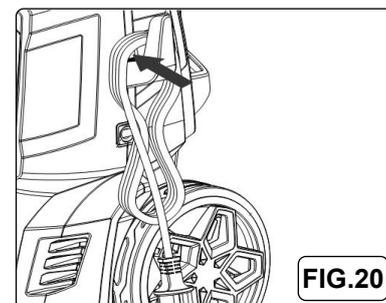
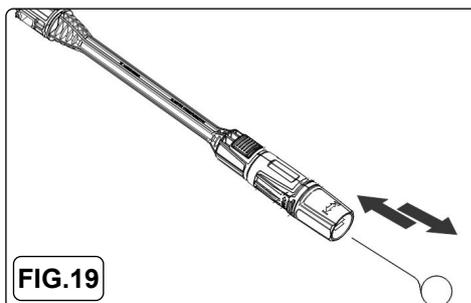
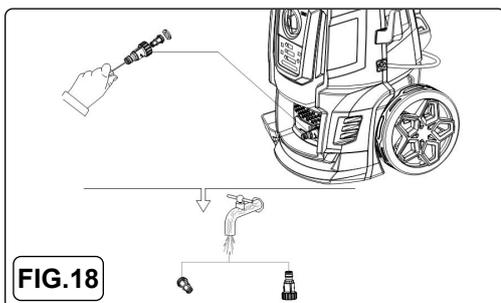
5.11. TELESCOPIC HANDLE (FIG.17)

- 5.11.1. To raise/lower the handle, press the button and move the handle upwards/downwards. The handle will 'click' into position.

6. MAINTENANCE

NOTE: Any maintenance operations not covered by this chapter should be carried out by an Authorized sales and service centre.

- ❑ **WARNING!** Always disconnect the plug from the power socket before carrying out any work on the appliance.



6.1. CLEANING OF WATER INLET FILTER (FIG.18)

The water filter installed inside the water inlet connector should be cleaned periodically. Rinse it with clean tap water, and then place it back into the water inlet connector.

6.2. CLEANING THE NOZZLE (FIG.19)

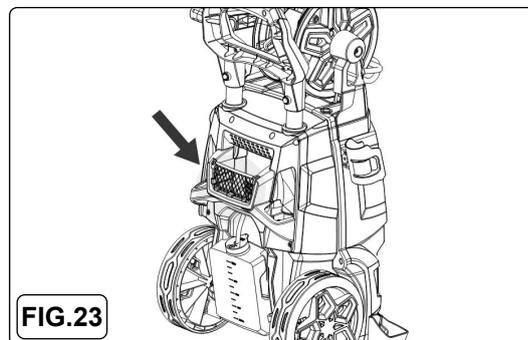
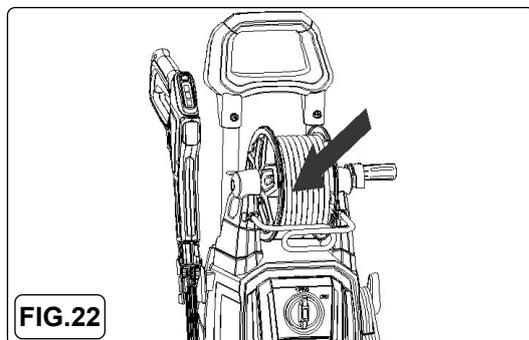
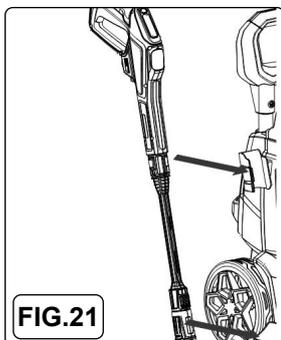
Using the nozzle tip cleaner provided (or an unfold paper clip), insert the wire into the nozzle hole and move back and forth until debris is dislodged. Flush the nozzle backwards with water.

6.3. CLEANING OF MACHINE VENTS

The machine should be kept clean so as to let cooling air pass freely through the machine vents.

6.4. GREASING OR COUPLINGS

To ensure easy connection, the couplings should be greased regularly.



6.5. STORAGE

- 6.5.1. The machine should be stored in a frost-free area with a temperature above 0°C (32°F)
- 6.5.2. Pump, hose and accessories should always be emptied of water prior to storing as follows:
 - 6.5.2.1. Stop the machine (turn the ON/OFF switch to position "OFF/O") and detach water hose and accessory.
 - 6.5.2.2. Restart the machine and activate the trigger. Let the machine run until no more water runs through the spray handle.
 - 6.5.2.3. Stop the machine and unplug, coil up the power cord and place it on the power cable hook (fig.20).
 - 6.5.2.4. Place gun and lance on the gun holder (fig.21)
 - 6.5.2.5. Coil the high pressure hose on the hose reel (fig.22).
 - 6.5.2.6. Place small accessories (e.g.: connector) in the storage space on the back of the machine (fig.23).

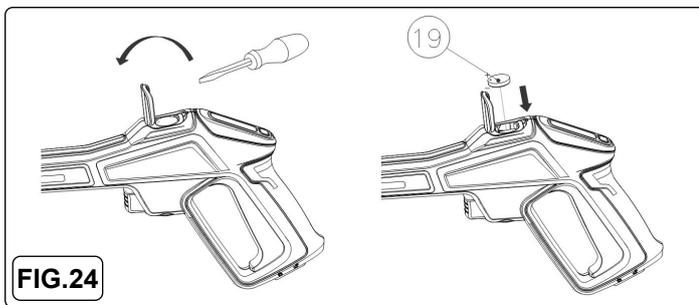


FIG.24

6.6. TRIGGER GUN BATTERY REPLACEMENT (FIG.24)

- 6.6.1. Open the battery cover of the trigger gun with a tool, put the battery (CR2450/3V) into the battery slot of the gun, and then cover the battery cover back to its original position.
- 6.6.2. Press the multi-function button on the remote control of the spray gun and check whether the status indicator flashes quickly. If it does not flash or flashes slowly 3 times, the battery needs to be replaced.

NOTE: Please make sure that the battery's positive and negative directions are placed in the correct direction, with the positive side facing upwards. When using the remote control board to operate the machine, the battery model recommended by the manufacturer must be used.

7. TROUBLESHOOTING

Please ensure that you check the following before contacting an authorised service centre:

SYMPTOM	CAUSE	RECOMMENDED ACTION
Machine refuses to start	Machine not plugged in	Plug in machine.
	Defective socket	Try another socket.
	Fuse has blown	Replace fuse, switch off other machines.
	Defective extension cable	Try without the extension cable.
Fluctuating pressure	Pump sucking air	Check that hoses and connections are airtight.
	Valves dirty, worn out or stuck	Clean and replace or refer to local distributor.
	Pump seals worn out	Clean and replace or refer to local distributor.
Machine stops suddenly	Fuse has blown	Replace fuse. Switch off other machines.
	Incorrect mains voltage	Check that the mains voltage corresponds to specification on the model tag.
	Over temperature warning light is red	Leave the washer for 5 minutes to cool down, press the multi-function button on the panel switch to restart.
	Nozzle partially blocked	Clean the nozzle.
	Water shortage warning light is red	Check if the water source is connected and turned on, and if the water supply is sufficient
Fuse blows	Fuse too small	Change to an installation higher than the amp. Consumption of the machine.
		You may try without the extension cable.
Machine pulsating	Air in inlet hose/pump	Allow machine to run with open trigger until regular working pressure resumes.
	Nozzle partially blocked	Clean the nozzle.
	Water filter blocked	Clean the filter.
	Hose kinked	Straighten out hose.
Machine starts, but no water comes out	Pump/hose or accessory frozen	Wait for pump/hoses or accessory to thaw.
	Water shortage warning light is red	Check if the water source is connected and turned on, and if the water supply is sufficient
	Water filter blocked	Clean the filter.
	Nozzle blocked	Clean the nozzle.

In case problems other than the above occur, please contact an authorised service centre:



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.



REGISTER YOUR
PURCHASE HERE



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.



Li-ion

BATTERY REMOVAL

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd Batteries Producer Registration Number (BPRN) is BPRN00705.

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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