



USER MANUAL

SIP TEMPEST® PW420/150 WALL-MOUNTABLE ELECTRIC PRESSURE WASHER

ITEM NO: 08920



PLEASE READ AND FULLY UNDERSTAND THE INSTRUCTIONS IN THIS MANUAL BEFORE OPERATION.
KEEP THIS MANUAL SAFE FOR FUTURE REFERENCE.

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1 Introduction

Thank You for Choosing SIP

SIP Industrial Products Ltd is a flagship supplier of high-quality machinery and equipment to the ever-growing engineering, construction, automotive and agricultural marketplaces.

As an ISO9001 approved machinery specialist, we are passionate about innovation and offering quality, value and choice, making sure that our users have the most appropriate and reliable product for the task at hand.

Welcome to Your User Manual

This manual is designed to introduce the support in place for you as an SIP customer as well as guide you through the product that you have purchased and how to use and maintain it safely and effectively.

Technical and Aftersales Support

With a dedicated service centre at head office and service engineers across the UK and Ireland, SIP are committed to providing you with the optimum support to minimise any working downtime.

Our extensive Technical, Service Engineer and Customer Service teams are on hand to support with:

- Product selection
- Servicing and maintenance advice
- Troubleshooting

Feel free to contact us for more information.

Tel: 01509 500 400

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1.1 Manual Version History

Manual Version Number	Date Published
V1.0	28/11/2025

2 Warranty

Warranty Registration

SIP proudly offer a 2 year warranty across all SIP branded machines.*

To benefit from the second warranty year, you must register within 30 days of purchase via the link or QR code below.

www.sip-group.com/warranty/register-warranty



***Excludes accessories and consumables**

3 Safety Instructions

3.1 Safety Symbols Used Throughout This Manual



Important: Please read the following instructions carefully, failure to do so could lead to serious injury, damage to the product or an invalidated warranty.



Danger/Caution: Indicates risk of personal injury and/or the possibility of damage.



Warning: Indicates risk of electrocution.



Warning: Indicates risk of fire.



Caution: Injury may occur when working with sharp elements.



Note: Supplementary Information.

3.2 Safety Instructions

When using this pressure washer, basic safety precautions should always be followed to reduce the risk of fire, electric shock, personal injury (or to others) and/or damage to the product. Read all these instructions before operating the item and save this user manual for future reference. SIP recommends that this product should not be modified or used for any application other than that for which it was designed; it was designed for cleaning heavily soiled or difficult to clean objects and surfaces in an outdoor environment. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

3.2.1 General Safety Principles

Prior to first use, read and understand this owner's manual and the labels affixed to the pressure washer. Learn its applications and limitations, as well as the potential hazards specific to it. Only trained and competent individuals may operate this pressure washer, and must follow the instructions provided in this manual. **Never** operate the pressure washer under the influence of alcohol, drugs, or medication. Children under the age of

Section 3: Safety Instructions

16 years or people unfamiliar with the pressure washer **must not** be allowed to use it. The person operating the pressure washer is responsible for the safety of persons in the work area.

Do not bypass, disable, or modify any safety guards, safety devices or warning system. **Do not** start the machine indoors or in other poorly ventilated areas. The pressure washer will have one more adjustable and/or interchangeable nozzles, switch OFF the washer before changing or adjusting the nozzle. **Never** aim the high pressure water jet towards people, animals, electricals or the product itself. **Do not** use the pressure washer to clean the pressure washer itself, this will damage the unit and potentially cause an electrical fire.

Never have fingers over the trigger when operation is not intended. **Accidental start up can cause severe injury.** If the pressure washer has interchangeable nozzles, switch OFF the pressure washer and discharge pressure in the lance and hose by pressing the trigger before changing the nozzles.

Users should be aware that this product is electrically powered and therefore must be cautious of the dangers associated with the combination of water and electricity, which may cause an electric shock or an electrical fire. Always check the mains plug and cable before use. If the pressure washer is on wheels, **never** roll the unit over the mains cable, this will damage the cable and expose live wires. **Never** use in the rain as the pressure washer does not have a suitable Ingress Protection (IP) rating. **Never** touch the unit controls, work on the unit or unplug the mains plug with wet hands.

The pressure washer **must** only ever be used for its intended purpose of cleaning heavily soiled or difficult to clean by hand objects in an outdoor environment.

3.2.2 Personal Protective Equipment

Personal Protective Equipment (PPE) **must** be worn both during operation of the pressure washer, and when performing maintenance. **Always** ensure that the correct PPE is worn.

To reduce the risk of injury during use always:

- Wear long trousers and sturdy footwear (closed, not flip-flops or sandals) with suitable grip for the surface being cleaned.
- Avoid loose clothing, scarves or jewellery that could get caught in moving parts or hoses/cables.
- Tie back long hair.
- Never put hands or feet near the high pressure water jet.
- Wear suitable ear protection to protect against hearing damage.

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- Wear safety goggles or a face shield to protect from water/debris.
- Wear suitable safety goggles and gloves when working with detergents to prevent contact with skin.

3.2.3 Hazards During Use

Fire and Explosion Hazards: Fuel **must** be stored in suitable containers in an appropriate location away from children, and **never** near the pressure washer - especially when it is hot, and in accordance with local safety laws. If not stored correctly, radiant heat from the pressure washer unit or the hot water jet stream, or any other high ignition source may produce fire or fuel vapours. **Do not** smoke near, or expose the fuel to open flames or sparks. **Never** expose the unit itself or the mains plug and cable to direct or residual splash from the output jet stream, never operate or leave the pressure washer in the rain.

Electrical Hazards: Unsuitable extension cables can be hazardous. **Never** use extension cables outdoors which have not been approved for this purpose and labelled with a sufficient cable cross section. Always unwind extension lines completely. The plug and coupling of the extension cable used must be watertight. **Always** ensure that the electrical mains cable is fully unspooled during use to prevent overheating of the mains cable.

Burn Hazards: All machine surfaces may become hot during use during excessive use, especially exhausts and motors. **Do not** touch these surfaces or perform maintenance until they have been allowed to cool.

Hot water pressure washers can induce scalding risks. **Never** touch the outlet stream, even when using lower pressure nozzles/settings. **Always** set the pressure washer to a cold water cycle and run for at least 2 minutes at the end of operation as the hot water can heat up the nozzles, lance and gun and other components within the water system.

Pressure Hazards: Pressure washers deliver highly pressurised water jets. **Never** aim the high pressure water jet output towards people, animals, or easily damaged or electric objects. This **will** result in severe injury if close enough. **Always** check the high pressure hose and other connections/sections of the water system for wear and/or damage which could result in leaks. Even small leaks will result in severe injury in high pressure water systems.

3.2.4 Residual Risks

Despite built-in safety features and the hazards/risks identified in this manual, some risks remain and cannot be entirely eliminated or reduced by controls alone:

- Exhaust/emissions from diesel can cause respiratory damage when breathed in, **do not** stand near the exhaust during operation. Emissions can furthermore pose

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a threat to the ecosystem.

- Accidental contact with hot components.
- Accidental contact with fuels or detergents can cause skin and eye irritation. Seek immediate medical advice if this occurs.
- If the unit has wheels, always use on flat and stable ground. If the unit is wall mounted, ensure the mounting is secure. Be aware that units may move during operation if the high pressure hose is pulled, keep aware of the unit during operation to ensure it does not roll or fall.
- Limited visibility or distractions leading to unsafe operation.
- After using the pressure washer the ground may become slippery. Ensure care is taken during and after use to avoid slipping.

Long hours of continuous use of the pressure washer can lead to hard arm vibration related issues and injuries. In case of regular, long-term operation of the device and in case of repeated occurrence of the symptoms please consult medical advice.

3.2.5 Warning signs and symbols

The following safety icons are displayed on the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer as shown in Figure 1 and a description of their meaning is given below.

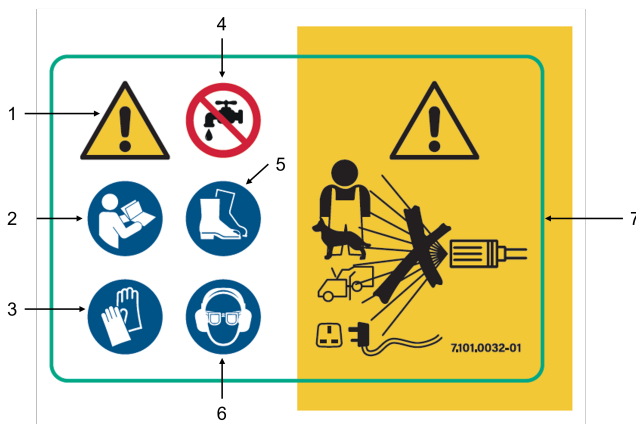


Figure 1: The product safety icons affixed to the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer.

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1. Danger: this product can cause severe injury or death if used incorrectly.
2. Please read the user manual before using and/or maintaining this pressure washer.
3. Always wear protective gloves when using and/or maintaining the pressure washer.
4. Do not waste water when using and/or maintaining the pressure washer.
5. Always wear protective footwear when using and/or maintaining the pressure washer.
6. Always wear safety goggles and ear protection when using and/or maintaining the pressure washer.
7. Danger: do not direct the pressurised water jet at people, paint work, the pressure washer, or sources of electricity.



Figure 2: The sound marking for the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer.

Figure 2 shows the sound marking on the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer.

3.2.6 Safety Devices

The Trigger Gun (1) has a red Safety Lock (3) at the base. When the safety lock is pressed it will prevent the Trigger (2) from being pressed to prevent unexpected use.

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3.2.7 Safe Working Practices

Check your pressure washer before turning it on and **do not** attempt to operate if there is suspected damage. Replace damaged, missing or failed parts before using the pressure washer. **Always** wear appropriate clothing, **do not** wear loose clothing, neck ties or jewellery (rings, wrist watches, etc.), and tie up long hair. **Do not** leave the pressure washer unattended while switched on. If you leave the pressure washer then turn off the machine. **Do not** run the pressure washer without the correct fuel. Ensure that all fuel levels are checked before every use.

Never stand on, straddle, or reach across the pressure washer during operation as serious injury could occur if the machine is tipped or dropped. Presence of exhaust furthermore leads to scalding risk or breathing in of fumes when persons are near pressure washer. **Never** reach into or across the output water jet stream as high pressure could cause injury and if the pressure washer has a hot water setting, the hot water could cause scalding. **Never** keep fingers on the trigger of the gun when operation is not imminently intended. Only use your hands to operate the gun trigger and buttons/switches on control panels, never your foot, knee, rope, or other extension device. To avoid tripping or slipping (especially on wet surfaces), keep the hoses and cables on the holders. Keep proper footing and balance at all times.

Do not unplug the pressure washer to switch it off, always use the on/off switch if present. Always disconnect from the mains supply when not in use. **Never** move, lift, or tilt the pressure washer unit while the machine is running. If the pressure washer is on wheels, when moving the unit, do not guide over rough terrain as this will cause grounding out and/or fan damage through impact or dust ingestion. Be careful of stones caught in the wheels as it may damage the fuel tank. **Do not** use the pressure washer for a purpose for which it was not designed for.

3.2.8 Maintenance and Servicing Safety

Turn off the machine and allow it to cool before carrying out any servicing or maintenance operation, and discharge pressure from the lance and hose. Failure to do this may result in serious injury and/or death due to scalding or high pressure leaks.

Always check that the pressure washer is in sound condition and good working order before and after use. Take immediate action to repair or replace damaged parts. Use recommended SIP original replacement parts and accessories only. Unapproved parts may be dangerous and will invalidate the warranty. Store tools, fuels, and cleaning agents out of reach of children. If any parts of the product are damaged, have your pressure washer repaired by an SIP approved service agent only, otherwise this may result in considerable danger to the user, and void the warranty. Do not tamper with or disassemble the pressure washer, this may be dangerous and void the warranty.

Only refill fuels outdoors in a well ventilated location with the machine off and when it is

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cool. **Do not** refill fuels immediately after having stopped the machine. When refilling fuels, take care not to spill these onto the pressure washer, work area or clothing. Clean any spills immediately with appropriate spill kits, and/or change any clothing. Ensure the fuel tanks are correctly seated and drain bolts are fully tightened after refilling operations to prevent the escape of vapours. **Do not** attempt to restart the pressure washer if there has been an fuel spillage, as this may ignite. Ensure that the cap of the fuel containers used to refill the pressure washer have also been sealed correctly.

Always look after high pressure hoses and components. **Always** check for signs of leaks, damage or wear. High pressure leaks can cause serious injury and/or death.

3.2.9 Disposal Safety

Dispose of drained/old fuels in accordance with local environmental regulations. Never pour down the drain or into soil. At the end of the product's life, recycle components where facilities exist. Contact local authorities for approved disposal or recycling services.

3.2.10 Storage

Never store the pressure washer with fuel still inside the unit and/or inside a building where any remaining fumes could come within range of an open fire, sparks or sources of high temperature/ignition. Before storing in any enclosed area, allow the engine and all other parts of the product to cool down and **do not** store in a confined area, only in a clean, dry, and ventilated area, and out of reach of children and unauthorized persons. To avoid damage, ensure that the storage and frost protection process is followed, documented in the maintenance section.

4 Electrical Connections

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe.

You must inspect power cables, plugs, sockets and any other connectors for wear or damage.

You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices; a Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by a Residual Current Breaker with Over-Current (RCBO). If in any doubt consult a qualified electrician.

Never carry this product by the mains lead or pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid unwanted hazards. **Always** disconnect from the power supply when not in use.



Danger/Caution: The wires in the power cable of this product are coloured in accordance with the following code: Blue = Neutral, Brown = Live, Yellow and Green = Earth.

This appliance is fitted with a plug which is moulded onto the electric cable (i.e. non-rewirable) please note:

1. 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.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from most electrical stockists.
5. The fuse in the plug must be replaced with one of the same rating (13 A) and this replacement must be ASTA approved to BS1362.



Warning: Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved plug with the correct rated fuse. If in doubt consult a qualified electrician.



Note: Always make sure the mains supply is of the correct voltage and amperage and the correct fuse protection is used. In the event of replacing the fuse, always replace the fuse with the same value as the original.



Note: If an extension lead is required in order to reach the mains supply; ensure that this too is rated for the correct voltage and fuse rating.



Note: The cross section of the extension lead should be checked so that it is of sufficient size to reduce the chances of voltage drops.

5 Technical Specifications

Parameter	Value
Input Supply	220-240 V; 50-60 Hz
Power Cable Length (m)	5
Motor Power (W)	1600
Working Pressure (Bar)	100
Max Pressure (Bar)	150
Nominal Flow Rate (L/min)	5.5
Hose Length (m)	6
Max Flow Rate (L/min)	7
Operating Temperature (°C)	0 - 40
Noise Level (LPA (dB(A)))	71
Noise Level (LWA (dB(A)))*	84
Ingress Protection (IP) Rating	IPX5
Net Weight (kg)	12.8
Gross Weight (kg)	13.9

*Noise measurement uncertainty, k = 3dB(A).

6 Getting to know your SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer



Figure 3: Points of interest on the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer.

Item	Description
1	Trigger Gun
2	Trigger
3	Safety Lock
4	High Pressure Hose
5	Lance
6	Adjustable Nozzle
7	Wall Mount Bracket
8	Water Inlet
9	Pump
10	On / Off Switch
11	Transport Handle
12	Pump High Pressure Outlet
13	High Pressure Hose Release Button

6.1 Accessories

The 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer is supplied with the following accessories:

Quantity	Description
1	Detergent Bottle
1	Lance Holder/Hook
1	Garden Hose Adapter

6.2 Assembly Instructions

The Lance (5) has a bayonet fitting that must be inserted into the Trigger Gun (1). Align the two pieces and press the Lance (5) into the Trigger Gun (1) and turn clockwise to lock the two pieces together, as shown in Figure 4.

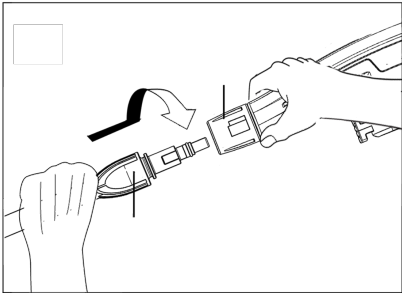


Figure 4: How to connect the Lance (5) with the Trigger Gun (1).

Take the High Pressure Hose (4) and push it into the bottom of the Trigger Gun (1) until a click is heard, as shown in Figure 5. To remove the hose, press in the High Pressure Hose Release Button (13) above the connection and pull the High Pressure Hose (4) to remove.

Section 6: Getting to know your SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer

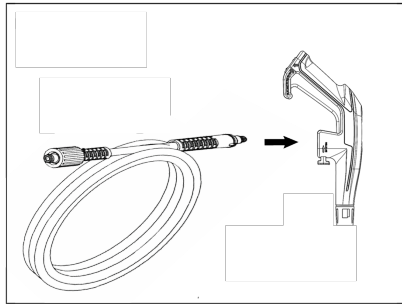


Figure 5: How to connect/disconnect the High Pressure Hose (4).

Connect the other end of the High Pressure Hose (4) to the High Pressure Pump Outlet (12) by pushing together and screwing in the collar as shown in Figure 6.

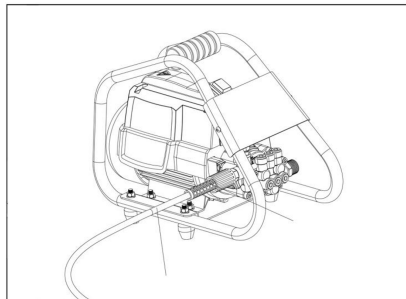


Figure 6: How to connect the High Pressure Hose to the pump outlet.

Connect the garden hose adapter (accessory) to the Water Inlet (8) as shown in Figure 7. Once attached, connect your garden hose to provide a mains water supply.



Caution: The pressure washer must be primed before first use, as detailed in Section 7.1.

Section 6: Getting to know your SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer

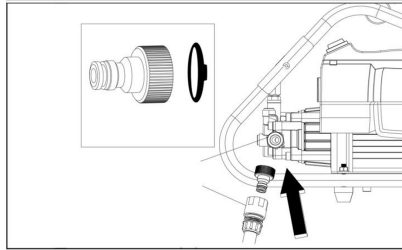


Figure 7: Type the caption here

Connect the Adjustable Nozzle (6) to the end of the Lance (5) by pushing them together until there is a click sound, as shown in Figure 8. Note the tabs to align the pieces together. To remove the Adjustable Nozzle (6) press the red Nozzle Release button on the Lance (5) and pull the two pieces apart.

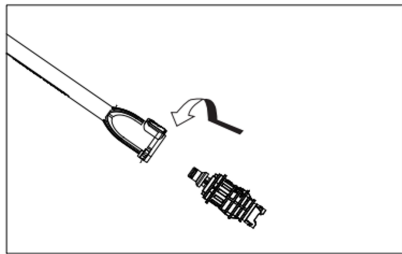


Figure 8: How to connect the Adjustable Nozzle (6) to the Lance (5)

6.3 Wall Mounting

The wall bracket for the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer may be either hooked over a fence panel using the adapter, or be affixed to a wall using suitable wall anchors (not supplied).

6.4 Safety Features

The Trigger Gun (1) has a red Safety Lock (3) at the base. When the safety lock is pressed it will prevent the Trigger (2) from being pressed to prevent unexpected use.

7 Operating Instructions



Danger: Risk of injury and product/property damage from accidental start up. Ensure lance is pointed away from people, animals, electricals, and not too close to object to be cleaned before the trigger is pressed. Do not have finger over the trigger when not in operation.

7.1 Setting up the 08920 SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer for Use and Priming Procedure

To prevent damage to the pressure washer, the unit must be primed each time the pressure washer is taken from storage and used. Failure to do this will cause damage to the pressure washer and invalidate the warranty. The priming procedure removes trapped air from the inlet hose and High Pressure Hose to reduce strain on the motor / pump assembly.

To set up and prime the pressure washer:

- Connect a reinforced garden hose with 13 mm internal diameter (not supplied) from the water supply to the pressure washer Water Inlet (8). Always use the inlet water filter, failure to do so may cause ingress of particulates into the water pump leading to failure of the pump which is not covered by the warranty.
- Connect the pressure washer to an electrical mains supply, but ensure that the pressure washer power switch is OFF and that the mains power supply is OFF. When using the pressure washer always ensure that the washer is not near water.
- With the pressure washer assembled and connected to a water supply, open the valve from the water supply.
- Check that there are no leaks from the water supply to the pressure washer. If a leak is present, isolate the supply and tighten / reseal the connectors and try again.
- Pointing the Trigger Gun / Lance assembly away from the pressure washer, pull the trigger to allow water to flow through the pressure washer. Note that this will not be at high pressure.
- Check that there are no leaks from the High Pressure Hose (4) between the Trigger Gun (1) and Pump High Pressure Outlet (12). If a leak is present isolate the supply and tighten / reseal the connectors and try again.
- Once air has been removed from the hoses and a constant flow is achieved the pressure washer is ready to use.



Caution: Failure to observe the above set up and priming procedure will result in permanent damage or failure of the pressure washer and is not covered by the warranty.

7.2 Using the Pressure Washer

After setting the pressure washer up for use and carrying out the priming procedure it is ready for use. Please follow the below steps to use the unit correctly.

- Inspect the High Pressure Hose for signs of damage or punctures, if you suspect the hose is damaged do not use and contact SIP for a replacement immediately.
- Open the water supply valve to the pressure washer.
- Switch ON the mains electrical supply and then switch ON the power switch on the pressure washer.
- Position the pressure washer in a location that is not going to become wet during the cleaning operation. Spray from pressurised water will damage the pressure washer and present additional hazards such as risk of electrocution.
- Wear the correct personal protective equipment prior to use.
- Ensure that person(s) not using the pressure washer are stood at least 15 m away from the working area during operation.
- Aiming the Trigger Gun / Lance assembly away from the user and other persons, begin the cleaning operation. Take care not to use the pressure washer to clean surfaces that are not suited to this application, such as driveways with loose asphalt, painted surfaces, etc.
- To adjust the spray width and pressure, release the Trigger (2) on the Trigger Gun (1) to stop the high pressure water flow. Twist the Adjustable Nozzle (6) to change the dispersal pattern as shown in Figure 9. Do not adjust this whilst the Trigger (2) is pressed as this may cause injury to the user and damage to the pressure washer.
- If the pressure washer will not be used for a period longer than 5 minutes, engage the Safety Lock (3), switch OFF the pressure washer, and disconnect the pressure washer from the electrical mains supply.

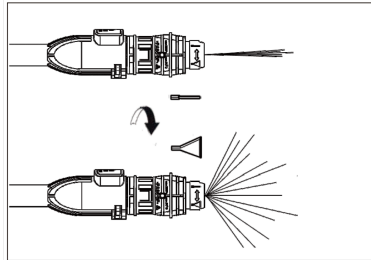


Figure 9: How to adjust the dispersal pattern on the adjustable nozzle.



Warning: Ensure that the correct personal protective equipment is worn whilst using this pressure washer.



Warning: Do not use the pressure washer if there is any damage to the High Pressure Hose.



Warning: Do not allow the high pressure water supplied by the pressure washer to come into contact with skin or other vulnerable body parts.



Caution: Do not adjust the nozzle dispersion pattern whilst the trigger is pressed, as your hand may slip and come into contact the high pressure jet causing injury.



Warning: Do not clean the pressure washer using water supplied by the pressure washer, and ensure that the pressure washer is positioned in a dry area away from spray during use. The pressure washer is not designed to resist pressurised water ingress and there is a risk of electrocution if this occurs.



Warning: If water enters the pressure washer and comes into contact with the electrical components there is a risk of an electrical fire.



Note: Do not use the pressure washer if the water supply temperature is greater than 40°C.

7.3 Working with Detergents

Some cleaning tasks require the use of a detergent for a more effective cleaning operation. If a detergent is used, the surface to be cleaned must first be dry, do not

Section 7: Operating Instructions

pre-wet the surface prior to using detergents as this limits their effectiveness. The pressure washer comes supplied with a detergent bottle that is fitted to the Trigger Gun (1), replacing the Lance (5), to wet the surface. Some detergents require a settle time prior to use, always read the instructions supplied with the detergent to determine the correct dilution values, suitable surfaces for use, and whether there are any chemical hazards to the user and other persons. Only use a detergent compatible with this pressure washer i.e. a pH neutral, non-caustic detergent.

To clean a surface using detergents, follow these steps:

- Select a suitable detergent for use with the pressure washer.
- If the pressure washer has already been in use, isolate the water supply, switch OFF the pressure washer, and disconnect from the electrical mains supply.
- Remove the Lance (5) from the Trigger Gun (1).
- Wear the correct personal protective equipment for handling the detergent.
- Fill the detergent bottle with no more than 300 ml of correctly diluted detergent solution, as shown in Figure 10.

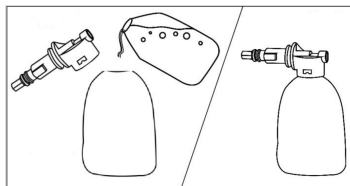


Figure 10: How to fill the detergent bottle.

- Connect the detergent bottle to the Trigger Gun (1) as shown in Figure 11 using the bayonet fitting.

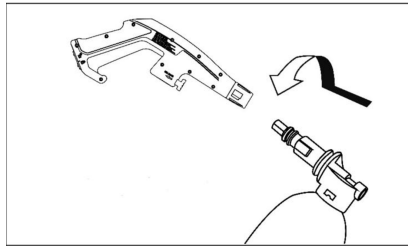


Figure 11: How to connect the detergent bottle to the Trigger Gun (1).

- Wear the correct personal protective equipment for using the pressure washer and any detergent that may splash the user.
- Open the valve from the water supply to the pressure washer and press the Trigger (2) to allow the detergent to flow through the nozzle.
- Connect the electrical mains supply and switch ON the pressure washer.
- Apply the detergent to the surface and allow to dwell for the recommended period of time indicated on the detergent container.
- When you have finished using the detergent system, switch OFF the pressure washer, unscrew the detergent bottle and dispose of the contents, then rinse and refill with fresh water. Reattach the detergent bottle and use the pressure washer for one minute so that all detergent is flushed through the system.
- Switch OFF the pressure washer and remove the detergent bottle from the Trigger Gun (1). Rinse the detergent bottle until it is thoroughly cleaned.
- Reattach the Lance (5) to the Trigger Gun (1), switch the pressure washer back ON and wash the area the detergent was applied to.

Failure to perform the final cleaning stage will result in corrosion and blockage of the detergent bottle nozzle which is not covered by the warranty.



Warning: Only use detergents suitable for high pressure washers. **DO NOT USE** household cleaners, acids, alkaline solutions, solvents, bleach, flammable liquids, or solutions for industrial use. Many detergents may require dilution before use. Prepare the solution as per the instructions on the bottle.



Warning: Always read the relevant safety data sheets (SDS) supplied with detergents / cleaning chemicals before use and wear the correct personal protective equipment when handling / using them.



Caution: Always test the detergent in an inconspicuous area before use.



Caution: Damage may occur to painted surfaces if the detergent is allowed to dry on the surface. Wash and rinse a small section at a time. Avoid working on hot surfaces or in direct sunlight.



Caution: Failure to follow the cleaning instructions will cause the injection system to become clogged and inoperable.

7.4 Turning Off the Pressure Washer

When the cleaning operation has been completed perform the below steps before putting the pressure washer into short-term storage in (1-3 months, temperatures above 0°C):

- Switch OFF the pressure washer and unplug the power cord from the electrical mains supply.
- Isolate the mains water supply.
- Hold the Trigger (2) to release water pressure.
- Disconnect the garden hose from the Water Inlet (8) on the pressure washer.
- Disconnect the High Pressure Hose (4) connection on the Trigger Gun (1).
- Release the Trigger (2) and engage the Safety Lock (3).

8 Maintenance

8.1 Cleaning the Water Inlet Filter

To ensure good performance, check and clean the water inlet filter periodically as shown in Figure 12. Remove the filter and rinse with warm water to prevent any particulates from clogging the pump. The water filter prevents small particulates from entering the pump and causing internal abrasive damage that often results in pump failure. These particulates are often picked up from the garden hose being dropped in debris and then being connected to the pressure washer.

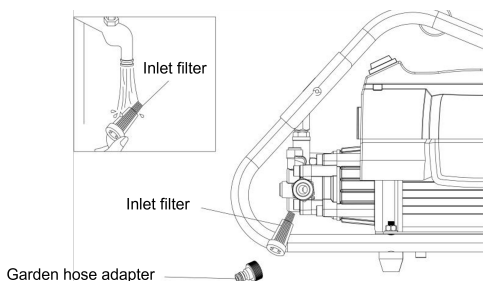


Figure 12: How to remove the inlet filter from the pressure washer.



Warning: Before working on the pressure washer, disconnect the plug from the electrical mains supply.



Note: Use of the pressure washer without the inlet filter will damage the pump and use in this manner will void the warranty.

8.2 Storage

Do not store your pressure washer in a location where the temperature falls below 0°C.

Store the pressure washer indoors in a dry, covered area where it is not subject to adverse weather conditions, it is important to store this product in a frost-free area. Always empty water from all hoses, the pump, and the detergent bottle(s) before storing, as described in Section 7.4, page 24. Do not store near a furnace or other sources of heat that may dry out the pump seals.



Note: The pump in this machine is susceptible to permanent damage if water contained within it freezes. This damage is not covered by the warranty.

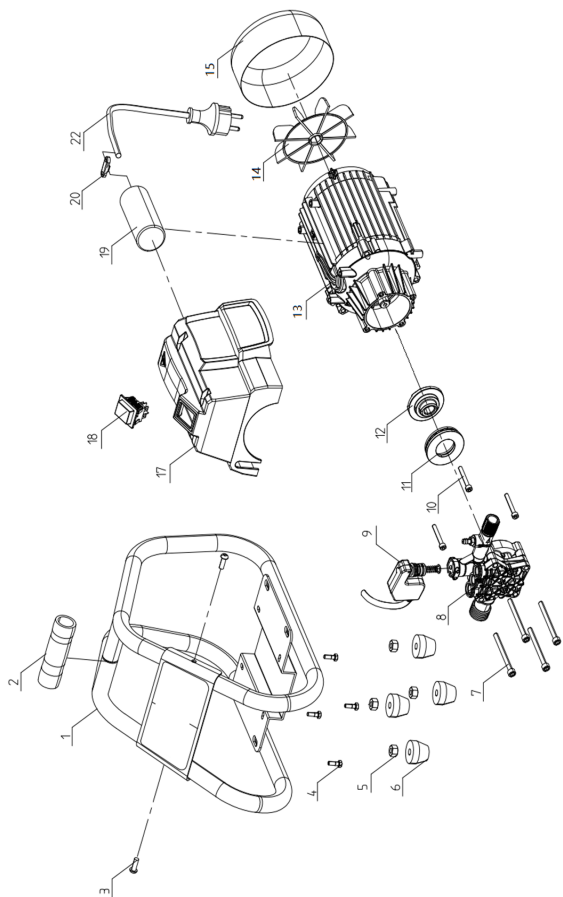
9 Troubleshooting

Problem	Issue	Remedy
Machine refuses to start.	1. Power failure/machine not plugged into working electrical mains supply. 2. Fuse has blown. 3. Defective extension cord.	1. Check to make sure machine is plugged into a working electrical mains supply, check mains lead for damage. 2. Replace the fuse. 3. Try the unit without an extension cord.
Fluctuating output water pressure.	1. Pump drawing air during operation. 2. Valves dirty, worn out, or stuck. 3. Pump seals worn out	1. Check the hoses and connections are airtight and remove any debris from connections. 2. Contact an SIP service agent. 3. Contact an SIP service agent.
Machine stops unexpectedly.	1. Fuse has blown. 2. Thermal sensor activated. 3. Nozzle partially blocked.	1. Replace the fuse. 2. Leave the washer for 5 minutes to cool down 3. Clean the nozzle.

Section 9: Troubleshooting

Problem	Issue	Remedy
Machine output is oscillating.	1. Air in hose or pump. 2. Inadequate supply of mains water. 3. Nozzle filter blocked. 4. Hoses kinked / restricting flow.	1. Allow machine to run with the power of and then holding the trigger until air is purged from the pressure washer. 2. Check that the water supply corresponds to the specifications required, avoid using long thin hoses (use 13mm diameter hose) and clean the water inlet filter. 3. Clean the nozzle. 4. Straighten out the hose to remove any kinks/blockages.
Machine starts, but no water comes out .	1. Pump/hoses or accessories frozen. 2. No water supply. 3. Water inlet filter blocked. 4. Nozzle blocked.	1. Wait for pump/hoses or accessories to thaw. Prior to using, check for any damage due to freezing such as wear or cracks. 2. Check water mains supply is working and that the garden hose is supplying water. 3. Clean the water inlet filter. 4. Clean the nozzle.

9.1 Exploded Drawing and Parts List



Section 9: Troubleshooting

Ref No	Description	SIP Product Code
1	08975 Complete frame	PW15-00500
2	Foam Handle	PW15-00501
3	Self tapping screw 5.5x16 ZNT (2 off)	PW15-00502
4	Screw M8x45 (4 off)	PW15-00503
5	Nut M8 (4 off)	PW15-00504
6	Rubber foot 30x20x25 (4 off)	PW15-00505
7	Screw M8x45 (4 off)	PW15-00506
8	Pump Unit (Spring 9KG) pressure switch	PW15-00507
9	Complete Valve	PW15-00508
10	Screw M6x15	PW15-00509
11	Thrust Bearing 35x55x12 PT01	PW15-00510
12	Wobble plate	PW15-00511
13	Motor Assy CU 230-240/50	PW15-00512
14	Motor fan	PW15-00513
15	Motor fan guard	PW15-00514
17	Upper casing	PW15-00515
	Lower casing	PW15-00516
18	On/Off Switch	PW15-00517
19	Capacitor 25MF 450V D.39X70	PW15-00518
20	Cable holder	PW15-00519
22	Power cable	PW15-00520
N/A	Wall mounting bracket	PW15-00521
N/A	Hose	PW15-00522
N/A	Gun and lance	PW15-00523
N/A	Lance handle hook	PW15-00524
N/A	Gun	PW15-00526
N/A	Adjustable nozzle	PW15-00525

10 UK - Declaration of Conformity

We, SIP (Industrial Products) Ltd, Gelders Hall Road, Shepshed, Loughborough,
Leicestershire, LE12 9NH, United Kingdom

As the manufacturer within the UK, England, Scotland and Wales, declare that the

SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer - 08920

Conforms to the requirements of the following regulation(s), as indicated:

The Supply of Machinery (Safety) Regulations 2008

Electromagnetic Compatibility Regulations 2016

**Noise Emission in the Environment by Equipment for Use Outdoors Regulations
2001**

**The Restriction of the Use of Certain Hazardous Substances in Electrical and
Electronic Equipment Regulations 2012**

And the relevant designated standard(s), including:

EN 60335-1:2012+A15:2021

EN 60335-2-79:2012; EN 62233:2008

EN IEC 55014-1:2021; EN IEC 55014-2:2021

EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A2:2021

Noise measurements have been made and fulfil the requirements laid out in Annex VI in Directive
2000/14/EC. The declared noise values are as follows:

Measured sound power level - 84dB(A), Guaranteed sound power level - 87dB(A)



Mr. P Ippaso - Managing Director

SIP (Industrial Products) Ltd

Date: 28/11/2025



11 EU - Declaration of Conformity

We, SIP (Machinery Europe) Ltd, ASM, Block One, Quayside Business Park, Dundalk, County Louth, A91 DP8R, Republic of Ireland

As the manufacturer's authorised representative within the EC, declare that the

SIP TEMPEST PW420/150 Wall-Mountable Electric Pressure Washer - 08920

Conforms to the requirements of the following directive(s), as indicated:

2006/42/EC	Machinery Directive
2014/30/EU	EMC Directive
2000/14/EC	Outdoor Noise Directive
2011/65/EU	RoHS Directive

And the relevant harmonised standard(s), including:

EN 60335-1:2012+A15:2021
EN 60335-2-79:2012; EN 62233:2008
EN IEC 55014-1:2021; EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A2:2021

Noise measurements have been made and fulfil the requirements laid out in Annex VI in Directive 2000/14/EC. The declared noise values are as follows:

Measured sound power level - 84dB(A), Guaranteed sound power level - 87dB(A)



Mr. P Ippaso - Managing Director
SIP (Machinery Europe Ltd)
Date: 28/11/2025



12 Notes



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.

**FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT
YOUR DISTRIBUTOR OR SIP DIRECTLY ON:**

T: 01509 500400

E: sales@sip-group.com or customerservice@sip-group.com



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