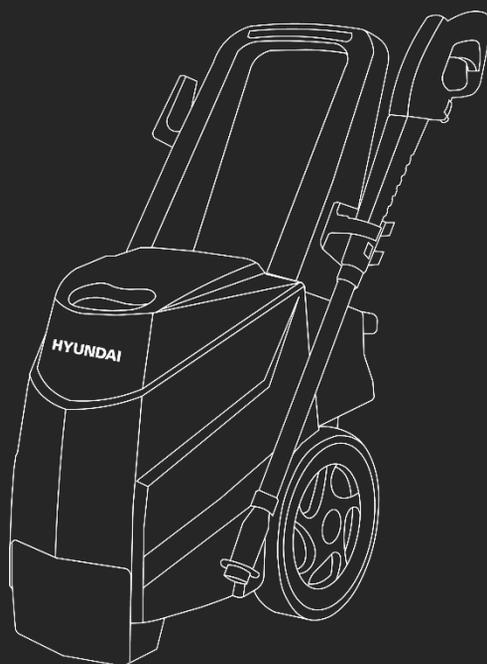


**HYUNDAI**  
POWER PRODUCTS

# Hot Pressure Washer HY145HPW-1

Instruction Manual



WARNING: Read the instructions carefully before use.

# Contents

<b>Introduction.....</b>	<b>3</b>	<b>Maintenance &amp; Care.....</b>	<b>29-30</b>
<b>Safety Information.....</b>	<b>4-14</b>	General Maintenance.....	29
Understand Your Machine.....	4	Storage.....	29
Personal Safety.....	4-5	Troubleshooting.....	30
Inspect Your Machine.....	5-6	<b>Specifications.....</b>	<b>31</b>
Work Area.....	6	<b>Recycling And Disposal.....</b>	<b>32</b>
During Use.....	7-8	<b>Declaration Of Conformity.....</b>	<b>33</b>
Batteries.....	9	<b>Useful Information.....</b>	<b>34</b>
Electricity.....	9-10	Our YouTube Channel.....	34
Double Insulated Devices.....	10	Warranty.....	34
Vibrations.....	11	Manual Updates.....	34
Noise.....	11	Returning Your Product.....	34
Residual Risks.....	11	Leaving A Review.....	34
Intended Use.....	12	Ordering Spare Parts.....	34
Personal Protective Equipment.....	13	<b>Product Record.....</b>	<b>35</b>
Symbols On The Machine.....	14	<b>Contact Us.....</b>	<b>36</b>
<b>Unboxing.....</b>	<b>15</b>		
<b>In The Box.....</b>	<b>16</b>		
<b>Features.....</b>	<b>17</b>		
<b>Assembly.....</b>	<b>18-20</b>		
Assembly Overview.....	18		
Handle Assembly.....	18		
Water Supply Hose Attachment.....	19		
High Pressure Hose Attachment.....	20		
<b>Operation.....</b>	<b>21-46</b>		
Filling with Fuel.....	21		
Starting Preparations.....	22-23		
Lance Attachment.....	24		
Lance Operation.....	25		
Detergent Attachment.....	26		
Hot Water Function.....	27		
Stopping.....	28		

# Introduction

## Thank You For Purchasing Your HYUNDAI Product

We work very hard to give all of our customers the best possible service. If you have any problems, before leaving negative feedback, please contact us to give us a chance to resolve the issue. We would be delighted if you left us positive feedback! Thank you for purchasing this product.

## Important!



**WARNING: READ THE INSTRUCTION BOOKLET THOROUGHLY BEFORE USING THE MACHINE.** Keep for future reference and pass it on if the machine is loaned or sold to another user.

This manual has been produced by Hyundai Power Products and should be kept with the product. Please read and understand these instructions before you use your product. Failure to do this may result in personal injury or damage to the product.

The safety precautions and warnings are to ensure your safety and protect you from harm or damage to the product.

The information contained in this manual was accurate at the time of production, however HYUNDAI Power Products may make modifications to the product without notification.

# Safety Information

## **Understand Your Machine**

- **WARNING!** You must read these instructions carefully before operating the machine. Make sure that you are familiar with the controls and properly operate the machine. You must learn how to stop the machine quickly. If you do not follow the warnings and instructions, it may result in fire and/or serious injury. Make sure to save all warnings and instructions for future reference.
- Read this manual and labels affixed to the machine to understand its limitations and potential hazards.
- Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.
- If the unit is to be used by someone other than original purchaser, or is to be loaned, rented, or sold, always provide this manual and any needed safety training before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, to other people, or to property.
- Do not force the machine beyond its limits. Use the correct machine for your application.
- Know how to stop the machine quickly in case of emergency. Understand the use of all controls.
- ALL MAINTENANCE other than that listed in this manual, should be carried out by professionally trained and certified personnel.
- When using this machine for the first time and before actual work, you **MUST** learn how to handle the machine from an experienced or skilled person.

## **Personal Safety**

- **WARNING!** Never allow children or people unfamiliar with these instructions to use the product. Local regulations can restrict the minimum age of the operator.
- Keep children, pets, and other people not using the unit away from the work area (at least 15m). Be alert and shut off the unit if anyone enters work area. Keep children under the watchful care of a responsible adult.
- Stay alert, watch what you are doing and use common sense when operating the machine. Never operate the machine when unwell or tired, or if you have taken alcohol, medicine, drugs or any substances which may slow your reflexes and compromise judgment. A moment of inattention while operating the machine may result in serious personal injury.
- Appropriate Personal Protective Equipment (PPE), **MUST** be worn at all times when operating or repairing the machine. Always wear anti-slip and resistant work footwear and long trousers while using the machine. Do not use the machine when barefoot, wearing sandals or similar lightweight footwear. Do not wear chains, bracelets or clothing that is loose fitting or hanging ties or cords. Tie long hair back. Always wear protective earplugs. Loose clothes, jewellery, or long hair can be caught in moving parts. Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.
- Always keep hands and feet away from all moving parts during operation. Moving parts can cut or crush body parts. Always keep hands and feet away from all pinch points.

# Safety Information

## **Personal Safety (Continued)**

- Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations. Extending your body too far can result in a loss of balance and you may fall which will result in injury.
- Never place any part of your body where it would be in danger if movement should occur during assembly, installation, and operation, maintenance, repairing or moving.
- Keep in mind that the operator or user is responsible for accidents, hazards or unexpected events involving the machine that occur to other people or their property. It is the responsibility of the user to assess the potential risk of the area where work is being carried out. The operator or user must take all necessary precautions to ensure their own safety and that of others, especially on slopes or rough, slippery and unstable ground.

## **Inspect Your Machine**

- Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc., are securely tightened.
- You must check the general condition of the machine before use.
- Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.
- Do not use the machine if the machine's switch does not turn off the machine when running. Any machine that can't be controlled with the switch is dangerous and must be replaced.
- Regularly check to see that keys and adjusting wrenches are removed from the machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.
- If the machine should start to vibrate abnormally, stop the machine and check immediately for the cause. Vibration is generally a warning sign of trouble.
- Avoid accidental starting. Be sure the switch is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its switch on invites accidents.
- Do not tamper with or disable safety systems.
- Only use manufacturer-recommended attachments.
- Before using, always visually inspect to see that the tools are not worn out or damaged. Replace worn out or damaged elements and bolts in set to preserve balance.
- Keep the machine in good operating condition. Operating the machine in poor or questionable condition could result in serious injury.
- Be sure all safety devices are in working order and warning labels are in place. These items are installed for your safety.

# Safety Information

## **Inspect Your Machine (Continued)**

- Keep the machine in good operating condition. Operating the machine in poor or questionable condition could result in serious injury.
- Be sure all safety devices are in working order and warning labels are in place. These items are installed for your safety.

## **Work Area**

- You must only work in daylight or with good artificial light in good visibility conditions. Do not work at night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area.
- Keep people, children and animals away from the working area.
- Operate on flat, level ground.
- DO NOT work on wet ground. If there has been heavy rain on the working site, wait until the ground has dried up.
- Never park the machine in a place with unstable ground which could give way.
- You must be careful near ravines, ditches or embankments.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Do not work in the rain, when there is a thunderstorm or lightning risk, at times of strong or gale force winds, or at any other times when the weather conditions might make it unsafe to use this product. If there is bad weather conditions, do not use the machine.
- Make sure you thoroughly inspect the entire work area and remove all objects and anything that could be thrown by the machine or could damage the machine (branches, stones, wire, toys, etc). Attempting to clear the work area whilst using the machine will reduce your concentration and creates a trip hazard. Any liquid spilled on the floor may result in you slipping.
- DO NOT operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools may create sparks, which may ignite the dust or fumes.
- This machine is only for outdoor use.

# Safety Information

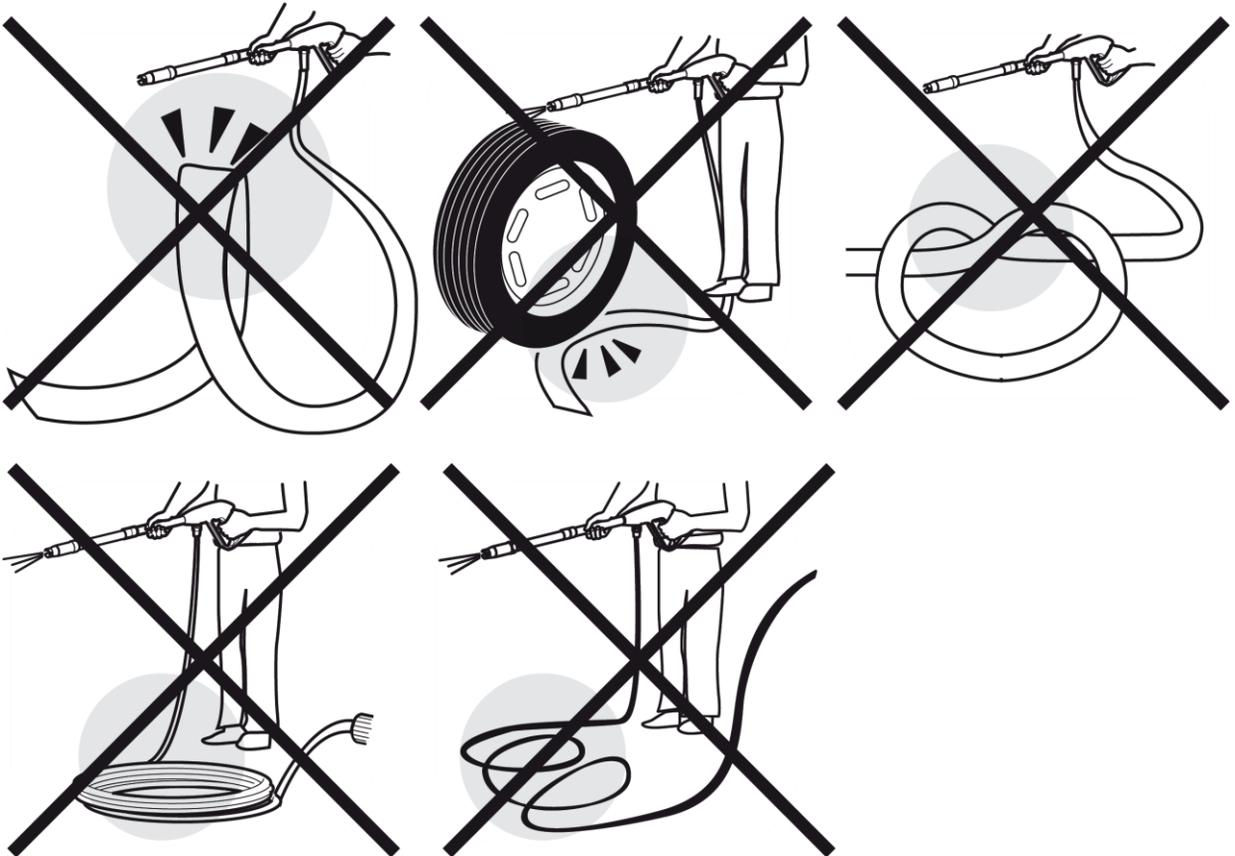
## During Use

- Do not operate the machine in confined areas where there may be a risk of crushing the operator between the machine and another object.
- Never attempt to make any adjustments, while the machine is running.
- You must switch off the machine:
  - Before checking or working on the machine.
  - When transporting the machine.
  - Whenever you leave the machine unattended.
  - If the machine starts to vibrate abnormally.
- **WARNING!** If something breaks or an accident happens whilst working, you must turn off the machine immediately and move the machine away to prevent further damage. If an accident happens with injuries or third parties are injured, carry out the first aid measures most suitable for the situation immediately and contact the medical authorities for any necessary health care. Carefully remove any debris that might cause damage or harm persons or animals should it not be seen.
- After striking a foreign object, stop the machine immediately and inspect the machine thoroughly for damage. Repair the damage before continuing.
- Never operate the machine without the defective guards or shields, or without safety devices, or if the cord is damaged or worn.
- Always disconnect the electricity and water supplies on completion of every job.
- This appliance has been de-signed for use with the detergent provided or the detergent specified by the manufacturer, such as a neutral shampoo based on biodegradable anionic surface active deter-gents. The use of other detergents or chemicals may put the appliance's safety at risk.
- Do not touch the plug and the appliance with wet hands or when barefoot.
- Do not direct the nozzle toward mechanical parts containing lubricant grease, as the grease will dissolve and spread over the surrounding ground. Vehicle tyres/tyre valves may only be cleaned from a minimum distance of 30 cm, otherwise the vehicle tyre/tyre valve could be damaged by the high-pressure jet. The first indication of this is a discoloration of the tyre. Damaged vehicle tyres/tyre valves can be deadly dangerous.
- High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, animal, live electrical equipment or the machine itself.
- High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer. (it is extremely important to protect these components against damage by avoiding their improper use and protecting them against bending, knocks and scratches).
- Do not direct the jet against yourself or others in order to clean clothes or footwear.
- Risk of explosion — Do not spray flammable liquids.
- Appliance with fluid under pressure. Keep a firm hold on the gun and be prepared to take the kickback pressure. Only use the high pressure nozzle provided with the appliance.

# Safety Information

## During Use

- Do not leave the machine during standby for more than 5 minutes.
- Any automatic start of the machine without pressing the gun trigger is attributable to air bubbles in the water or other similar phenomena which do not imply the existence of any defects in the machine.
- When winding and unwinding the pipe take care not to cause the high-pressure cleaner to overturn.
- Before unwinding or winding the hose, switch the machine off and release the pressure in the hose itself (switching off).
- If an extension cord is used, the plug and socket must be of watertight construction.
- DO NOT direct the spray at people, animals, live electrical equipment or the appliance.
- Do not allow the high pressure hose to bend.
- Do not put any weight on the high pressure hose.
- Do not use the high pressure hose if it is in a knot or loop.
- Never start the high-pressure cleaner without first completely unwinding the high-pressure hose.
- Make sure the high pressure hose does not have any loops or tangles.



# Safety Information

## Batteries (Where Present)

Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. **NOTE:** the electrolyte may be in a liquid or gel form.

Should you come in to contact with electrolyte you should;

- Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.
- Get medical assistance as soon as possible.

You must advise the medical staff of the type of acid.

- Lead/acid battery = dilute sulphuric acid.
- Nickel/cadmium = potassium hydroxide alkali electrolyte.
- Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not wash the electrolyte to another part of your body or face.
- If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.
- Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.



- There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting ALWAYS exercise great care so that the terminals or battery leads are NOT allowed to touch and cause a spark. ALWAYS use suitable insulated tools.

## Electricity (Where Applicable)

**DANGER : ELECTRICITY CAN KILL – NEVER WORK ON LIVE / ENERGISED EQUIPMENT.**



- Prior to carrying out any maintenance work you MUST identify electrical isolation methods and isolate all electrical supplies.
- Prior to use and with all electrical supplies isolated, you MUST check all electrical cables, plugs and connectors for the following;
  - Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.
  - If there are any signs of damage, the damaged item MUST be taken out of service until the damage has been repaired by an electrically competent person.
  - All trailing cables should be routed so as not to cause any kind of trip hazard.
  - NEVER work on or near electricity with wet hands, wet clothing and wet gloves.

# Safety Information

## Electricity (Continued)

- Power tools plug must match the outlet. Never modify the plug in any way. DO NOT use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- DO NOT expose this power tool to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. DO NOT abuse the power cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil and sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock. When operating a power tool, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **IMPORTANT:** Make sure that the electric circuit is fused, and that the power, voltage and frequency of the motor is supported by your mains supply. Also, make sure that your power supply is earthed. Connect your machine to earth. Never open the ON/OFF switchbox. However, if it should become necessary to do so, contact a qualified electrician. Make sure that you will never touch live contacts, specifically when you plug or unplug your machine. This machine and its power cord must never get into contact with water.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- To prevent electric shock, use only with an extension cord suitable for outdoor use. For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30mA is advisable.
- Before use, check that the extension cord is in good condition. When using an extension cord, make sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- Do not allow any part of the machine to make contact with water while it is in operation. If the appliance becomes wet while turned off, wipe dry before starting. Do not touch the appliance or its plug with wet hands or while standing in water. Wearing rubber boots offers some protection.
- Before use, check the supply and extension cord for signs of damage or aging. If the cord becomes damaged during use, disconnect the cord from the supply immediately. If the supply cord is damaged, it must be replaced by the manufacturer or a qualified person in order to avoid a hazard.

## Double-Insulated Appliances

In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means that it is already provided on a double-insulated appliance. Servicing a double-insulated appliance requires extreme care and knowledge of the system, and should be performed only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace.

# Safety Information

## Vibrations (Where Applicable)

- Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause nerve damage and circulatory tissue death.
- Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;
- Wear gloves and keep your hands warm.
- Take regular breaks.
- All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.

## Noise (Where Applicable)

- The operating noise of the machine can damage your hearing. When wearing protection such as earplugs or ear defenders to protect your hearing. Long-term and regular users are advised to have hearing checked regularly. Be especially vigilant and cautious when wearing ear protection because your ability to hear alarm warnings will be reduced.
- Noise emissions for this equipment is unavoidable. Carry out noisy work at approved times and for certain periods. Limit the working time to a minimum. For your personal protection and protection of people working nearby it is also advisable for them to wear hearing protection.



- See Certificate of Conformity section for Outdoor Noise declaration of conformity.

## Residual Risks

Even when tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.
2. Damage to hearing if effective hearing protection is not worn.

Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

**▲ WARNING!** This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

# Safety Information

## Intended Use

The HY145HPW-1 is a Hot Pressure Washer from HYUNDAI. Using a 2.3kW electric motor, paired with a diesel heater.

This machines are specifically a pedestrian tool, manufactured according to the latest safety requirements. Every precaution is only effective when it's followed exactly.

### **Intended Use**

These machines are designed and manufactured for cleaning surfaces under high pressure and heat. Domestic uses such as cleaning walls, driveways and vehicles are what the machine is intended for.

This machine is intended for use in environments with a maximum ambient temperature of 32°C.

### **User Types**

This machine is intended for use by consumers, i.e. non professional operators. The machine is intended for "DIY" and domestic use only.

### **Improper Use**

Any other usage not in keeping with the above mentioned ones may be hazardous and harm persons and/or damage things. Examples of improper use may include, but are not limited to:

- Using the machine to clean people or animals
- Cleaning surfaces which aren't structurally sound
- Cleaning vehicles with damaged or faulty body or point work.

# Safety Information

## Personal Protective Equipment

**Appropriate Personal Protective Equipment (PPE), MUST be worn at all times when operating or repairing the machine. No protective equipment can ensure 100% protection.**

When selecting PPE, make sure it's CE marked and it suits the user in terms of size, fit, etc. If more than one item of PPE is worn at the same time, make sure they can be used together, e.g. wearing safety glasses may disturb the seal of a respirator, causing air leaks.



### **Hand Protection Must Be Worn**

Protective electrically non-conductive gloves are highly recommended when working.



### **Foot Protection Must Be Worn**

Non-skid heavy duty footwear are highly recommended when working.



### **Hearing Protection Must Be Worn**

Suitable safety hearing protection is recommended.



### **Eye Protection Must Be Worn**

Always wear safety glasses/goggles and/or face shields. Everyday eyeglasses have only impact resistant lenses; they are not safety glasses/goggles.



### **Protective Clothing Must Be Worn**

Do not wear loose clothing, gloves, scarfs, neckties or jewellery (rings, wrist watches), which can be caught in moving parts.



### **Head Protection Must Be Worn**

Wear a safety helmet with a safety visor.



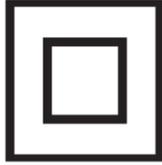
### **Face Shield Must Be Worn**

Wear a face shield to protect your face.

# Safety Information

## ⚠ Symbols On The Machine

We have provided safety messages in this manual and on the machine. This information alerts you to potential hazards that could hurt you or others. Please read these messages carefully. However, we may not have listed all of the possible hazards, you must also use your own judgement.

Symbol	Description	Symbol	Description
	Safety alert – Indicates a precaution, a warning or a danger.		Dust mask must be worn
	Read operator's manual.		Class II tools symbol.
	Hand protection must be worn		Hearing protection must be worn
	Sharp blades can cut limbs.		Eye protection must be worn
	The UKCA (UK Conformity Assessed) marking is a UK product marking that is required for goods being placed on the market in Great Britain (England, Wales and Scotland).		This product complies with the European directives and an evaluation method of conformity for these directives was done.
	This product should not be disposed of in domestic waste. Please contact your local recycling centre for disposal service.		Sound power level LWA data in dB.

# Unboxing

**⚠ WARNING** : Unboxing and assembling the machine should be done on a flat, surface with enough room. Disposal of the packaging should be done in accordance with the local regulations in force.

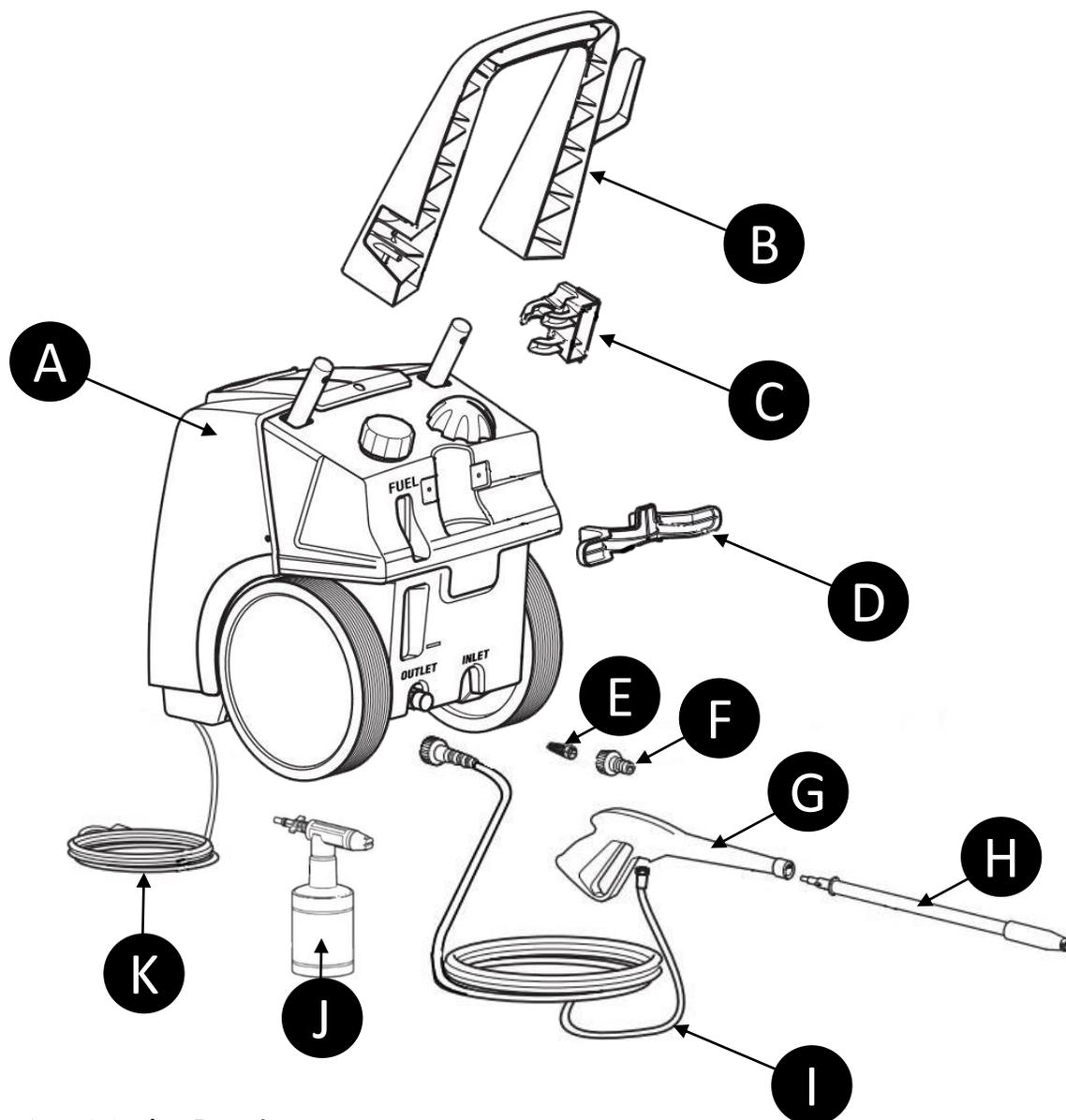
**⚠ WARNING** : Some of the packaging material may be harmful to children. Keep out of reach of children.

1. Carefully remove the product from the packaging and examine it for any sign of damage caused during shipping.
2. Lay the contents out and check them. If any part is damaged or missing, you must not use the machine. Contact HYUNDAI POWER PRODUCTS immediately.
3. You must keep the packaging material in case the machine needs to be returned or repaired.
4. Ensure that you have all the accessories and tools you need for assembly and operation including the suitable personal protective equipment.

**We recommend that you fill out the information in the 'Product Record' section. If you need to contact an authorised dealer or customer service, you may need to provide this information.**

# Unboxing

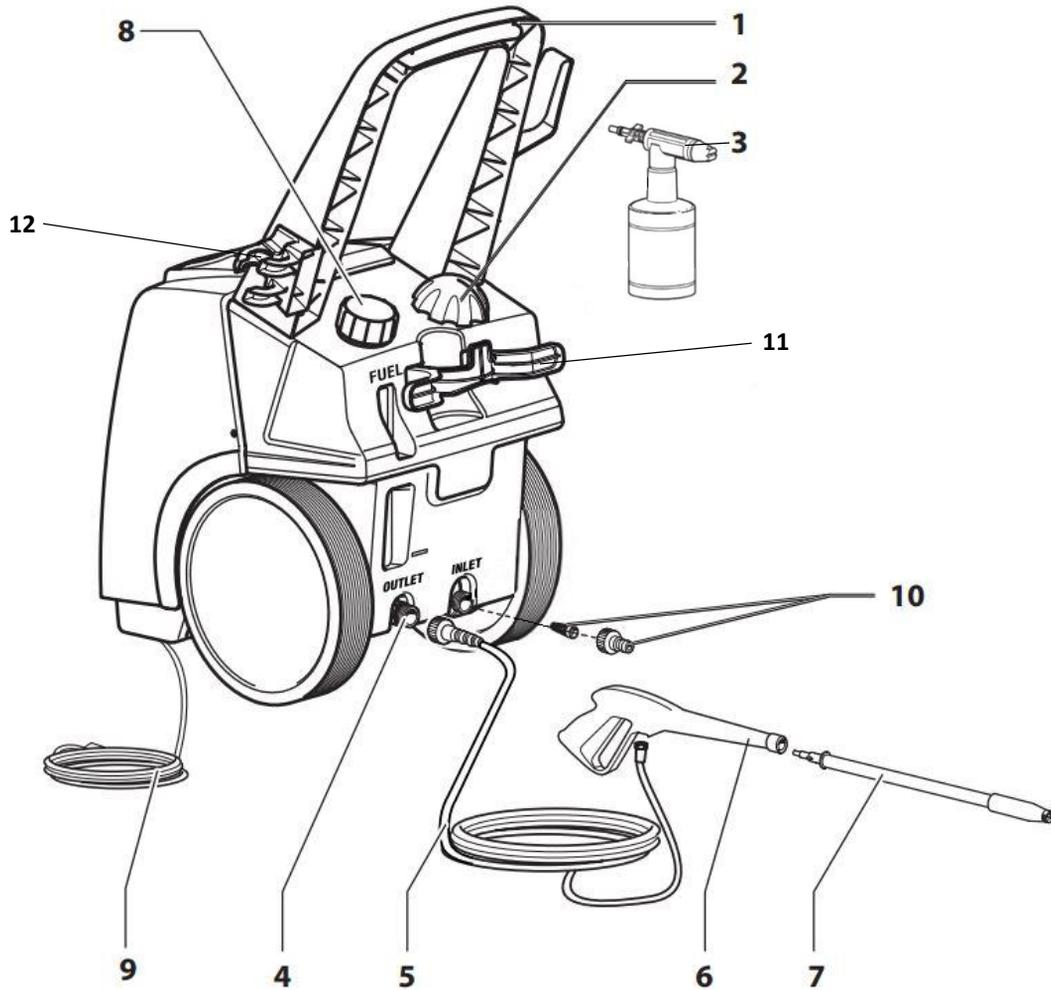
\*Not To Scale



- A. Main Body
- B. Handle
- C. Lance Holder
- D. Wire Holder
- E. Water Filter
- F. Inlet Adapter
- G. Gun Handle
- H. Lance
- I. High Pressure Hose
- J. Detergent Attachment
- K. Power Cable (attached to Main Body)

# Features

\*Not To Scale



1. **Handle** – used to move the machine.
2. **On/Off Switch**
3. **Detergent Attachment** – Used to dispense detergent.
4. **Water Outlet** – Motor outlet for pressurized water
5. **High Pressure Hose** – Connects the Lance Handle and Water Outlet.
6. **Lance Handle** – The Trigger, Trigger Safety Button and hose release are apart of the handle.
7. **Lance** – Creates a spray pattern
8. **Diesel Tank** – 2L tank for Hot Water Function.
9. **Power Cable**
10. **Water Inlet Adapter and Water Filter**
11. **Hose Holder**
12. **Lance Holder**

# Assembly

## HY145HPW-1 Assembly Overview

Page 18 – Handle Assembly

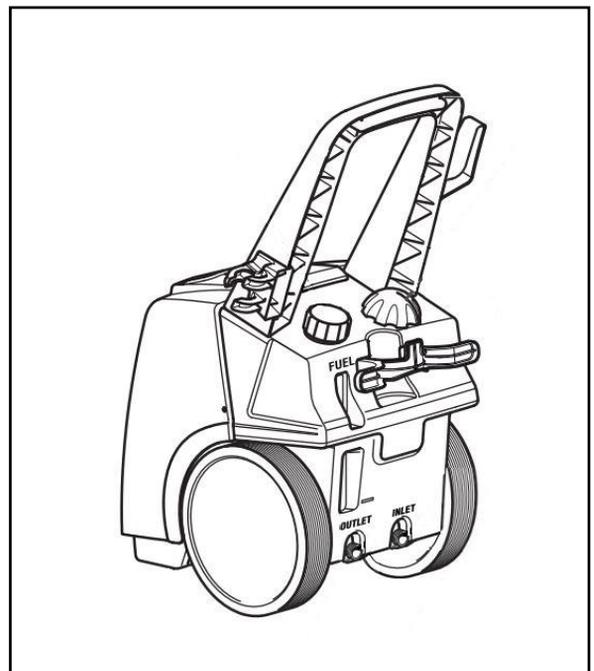
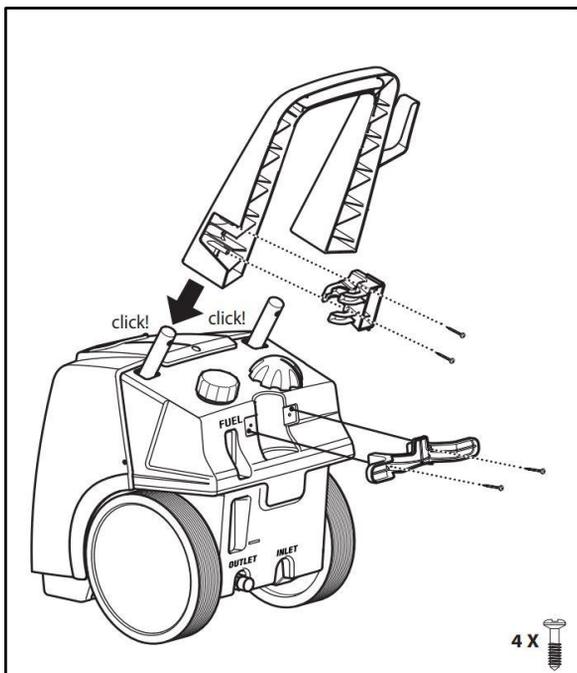
Page 19 – Water Supply Hose Attachment

Page 20 – High Pressure Hose Attachment

## HY145HPW-1 Handle Assembly

**⚠ WARNING :** Ensure the machine is not plugged in, and the switch is in the off position before starting any assembly.

1. Press the **Handle** into the 2 prongs at the top of machine. An Audible click will be heard when the handle is secured.
2. Push the **Lance holder** into position on the **Handle**, and secure with 2 screws.
3. Secure the **Hose Holder** into position using 2 screws



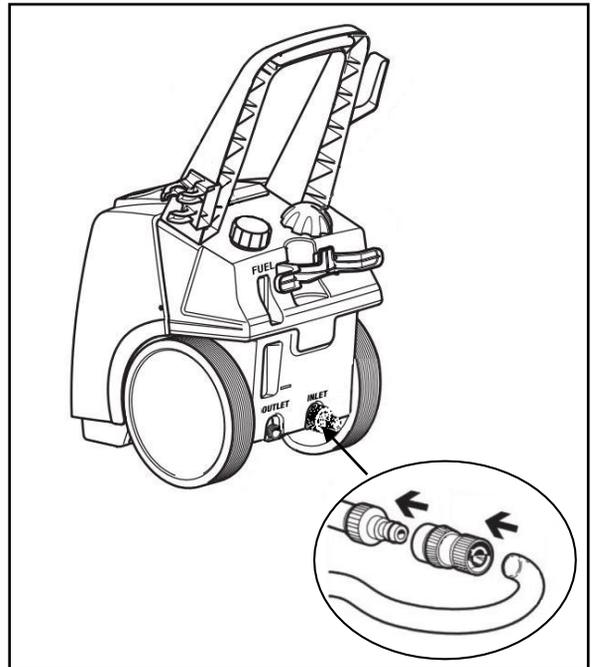
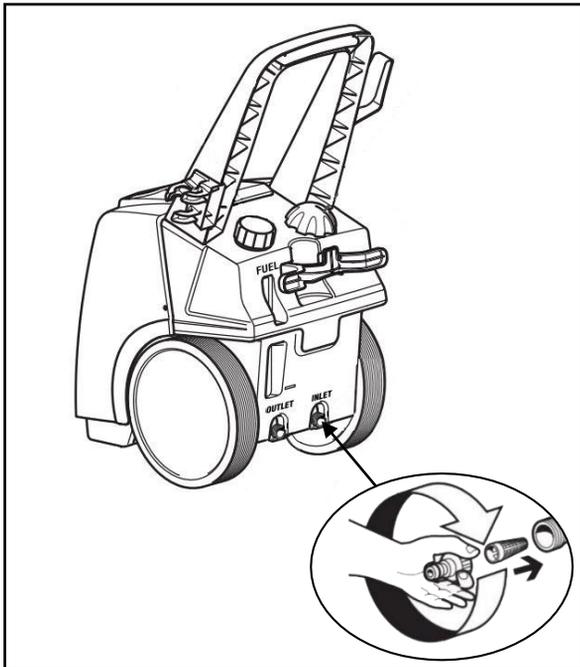
# Assembly

## HY145HPW-1 Water Supply Hose Attachment

**! WARNING :** Ensure the machine is not plugged in, and the switch is in the off position before starting any assembly.

1. Ensure the **Water Filter** is fitted to the machines Water Inlet.
2. Screw the **Water Inlet Adapter** onto the Water Inlet Port until hand tight (no tools required)
3. Now connect your water supply hose, with connector (not included) to the **Water Inlet Adapter**.
4. Ensure your Water Supply Hose is attached to your water supply

**! WARNING :** Ensure your Water Supply Hose is attached to a water source that can provide 15l/min of water, max pressure 1 Mpa at a Maximum temperature of 40°C. Only clean water can be used with his machine

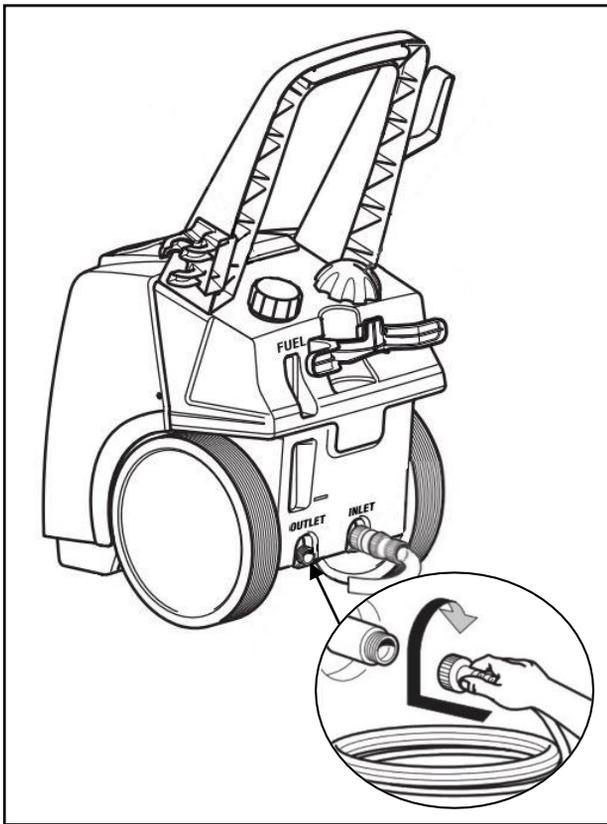


# Assembly

## HY145HPW-1 High Pressure Hose Attachment

**! WARNING :** Ensure the machine is not plugged in, and the switch is in the off position before starting any assembly.

1. Fasten the end of the **High Pressure Hose** to the Water Outlet, ensure this is hand tight (no tools required)
2. With the other end of the High Pressure Hose, insert in the **Lance Handle** until you hear an audible click.
3. To remove the hose, simply press the tab on the **Lance Handle** and pull the hose downward.



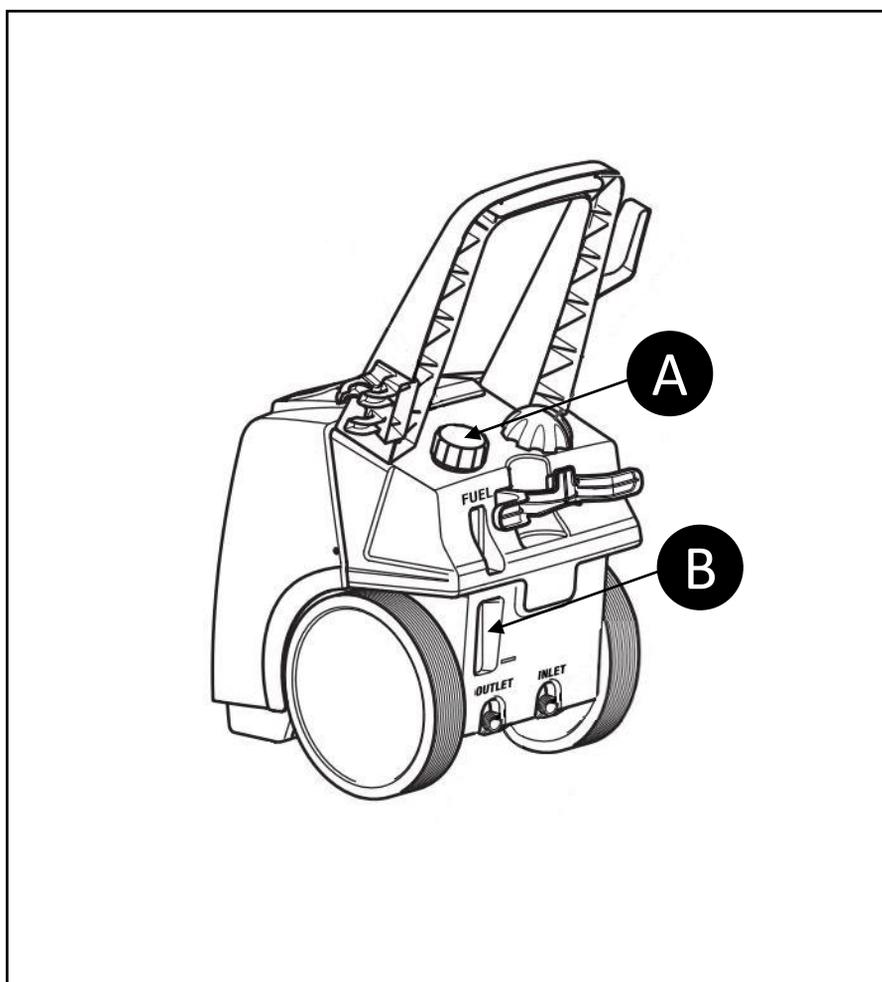
# Operation

## HY145HPW-1 Filling with Fuel

**! WARNING :** Before Operating the machine, you **MUST** understand the whole user manual

**! WARNING :** When handling Volatile and Corrosive Fuels always use correct PPE and due caution

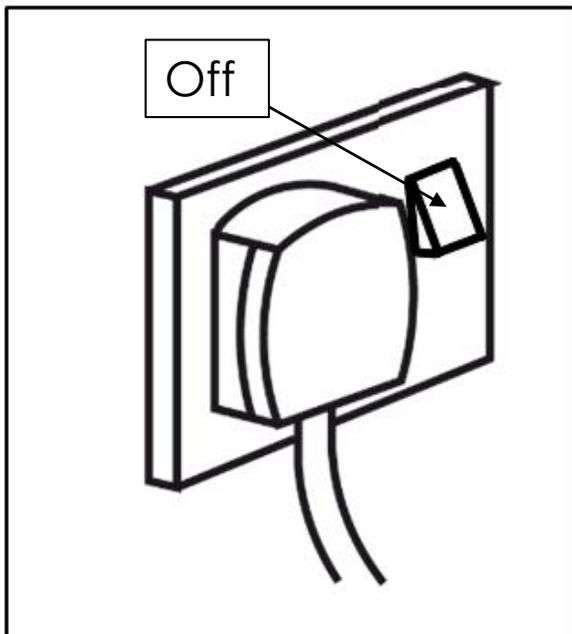
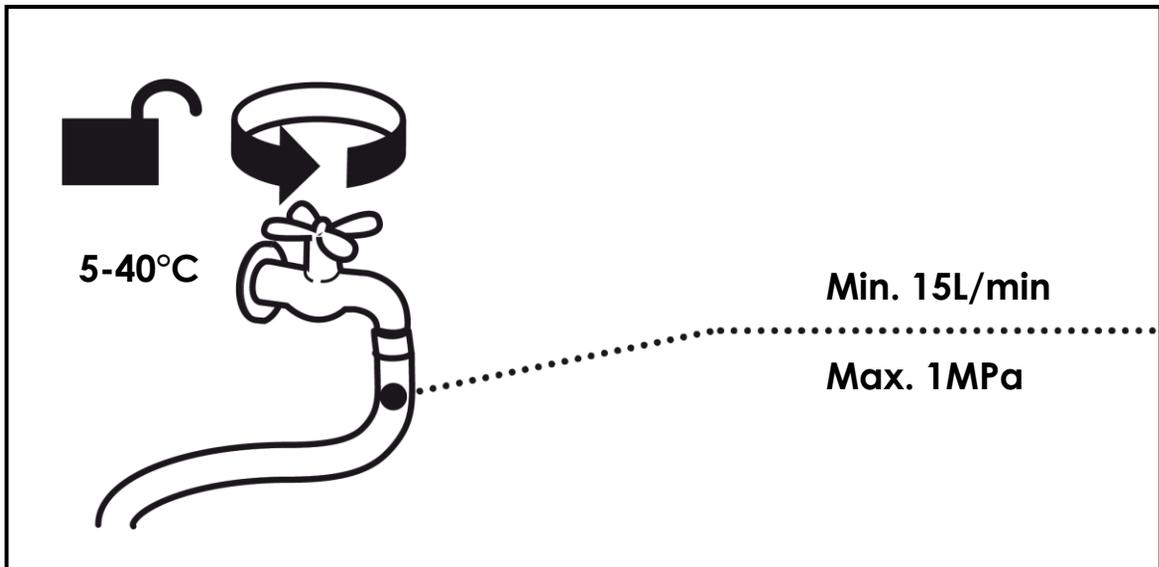
1. Remove the **Fuel Cap (A)**.
2. Fill the Diesel Tank with Diesel from a fuel station. The tank capacity is 2 Litres.
3. Use the **Fuel Tank Window** to see if there is fuel in the machine before filling.
4. When finished filling, secure the **Fuel Cap (A)** back on the machine.



# Operation

## HY145HPW-1 Starting Preparations

1. With the water supply hoses attached to machine, turn on your water supply. The minimum supply rate must be 15 Litres per minute, maximum pressure of 1MPa(mega pascals). The temperature of the water should be between 5-40 degrees Celsius.
2. Put the machines plug into a power source. Do not turn the power source on at this point.



Continued on next page 

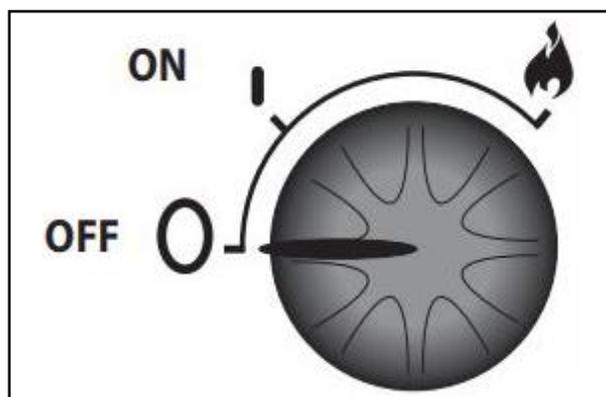
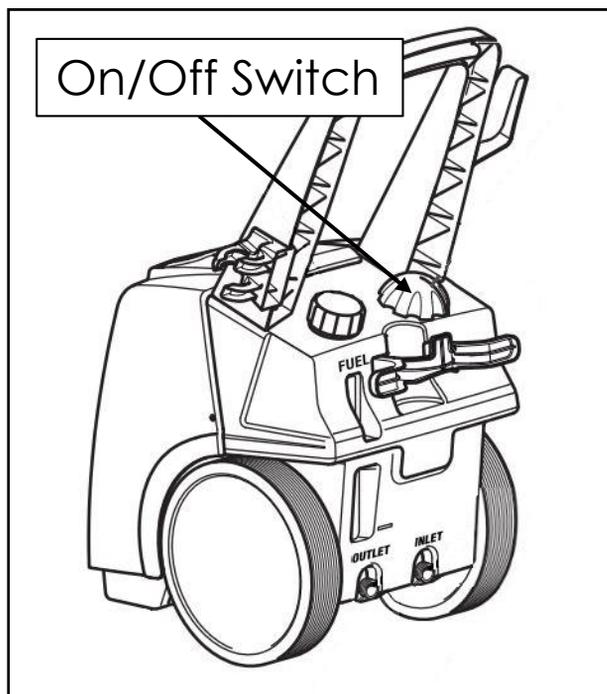
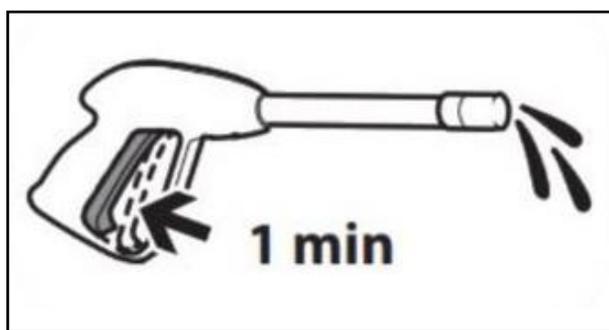
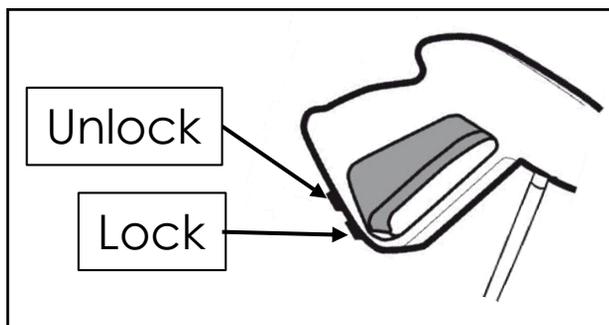
# Operation

## HY145HPW-1 Starting Preparations continued

1. Firstly press the **Unlock** Trigger Safety button on the **Lance Handle**.
2. Then purge the air from the system. With the water supply on, pull the trigger on the **Lance Handle**, this can take up to 1 minute.

**⚠ \*Note\*** - The On/Off Switch **MUST** be in the Off (O) position

3. Attach a Lance accessory (page 24+26).



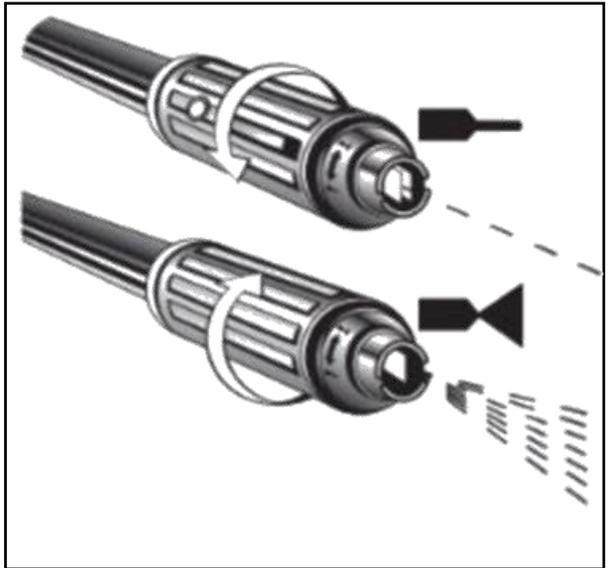
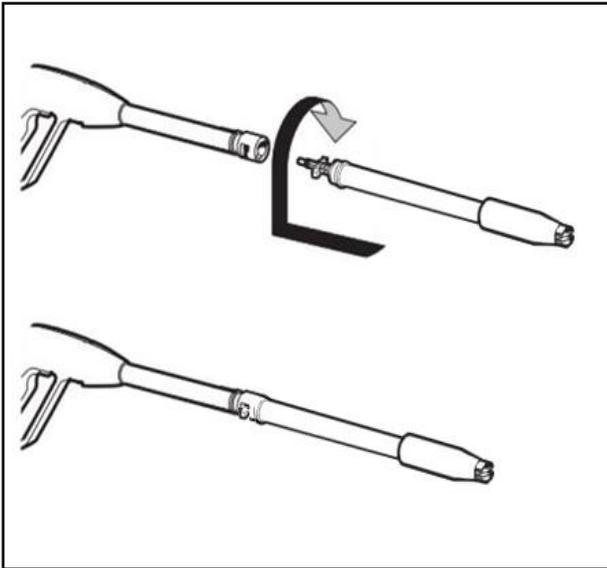
# Operation

## HY145HPW-1 Lance Attachment

The **Lance** attaches to the **Lance Handle** by inserting and twisting clockwise. When rotation stops, this means it's locked into position.

To remove the **Lance**, push the **Lance** into the handle and rotate anti-clockwise.

**NOTE :** If the Lance won't rotate into place, try applying more force pushing the Lance into the Handle, this will help to seat the Lance correctly. This is also the case when removing the lance.



The **Lance** has an adjustable spray pattern. By rotating the end clockwise and anti-clockwise you can adjust the spray pattern to focus the water into a single beam or wider spread.

# Operation

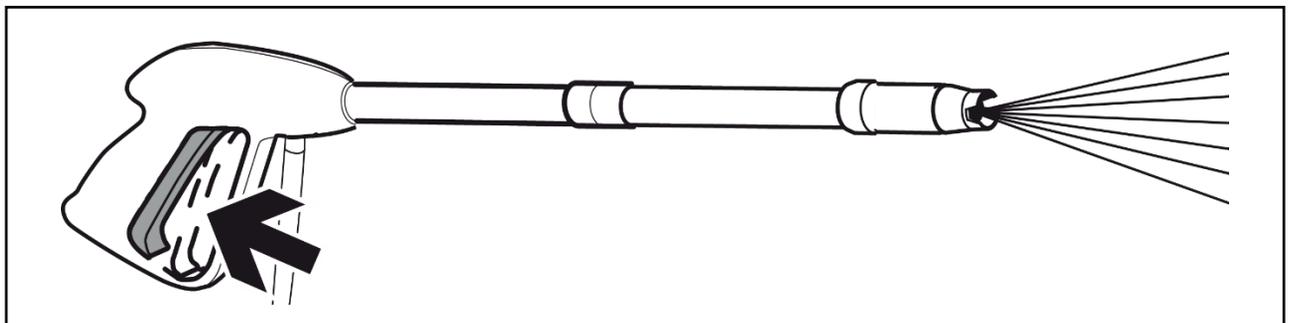
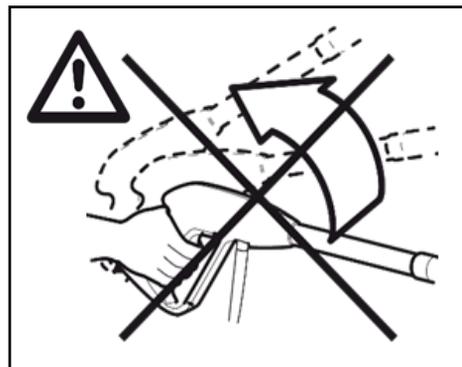
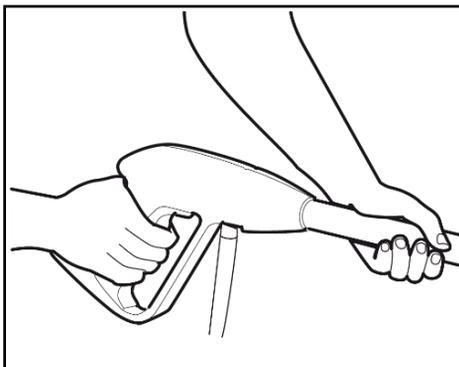
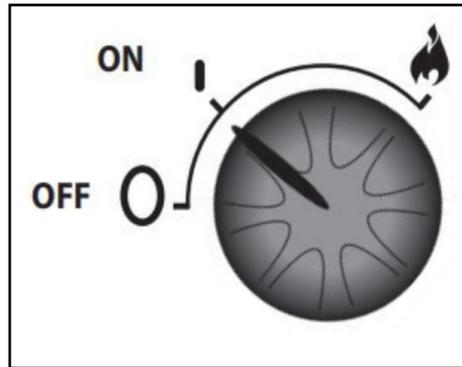
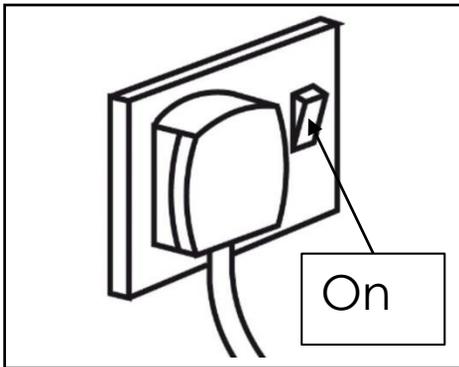
## HY145HPW-1 Lance Operation

**⚠ WARNING :** Before Operating the machine, you **MUST** understand the whole user manual

Turn the Power Source to the machine on, and put the On/Off Switch into the On (I) Position. Allow the machine to build pressure.

**ALWAYS** hold the Lance with 2 hands **AT ALL TIMES**. The pressure created by the machine can cause kick back. Using 2 hands provides additional control and prevents unintentional spraying. Using only 1 can lead to injury and accidents.

Pull the trigger on the **Lance Handle**, and the machine will start to operate.



# Operation

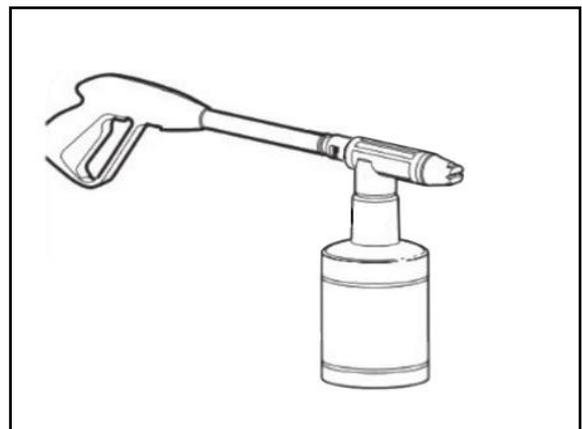
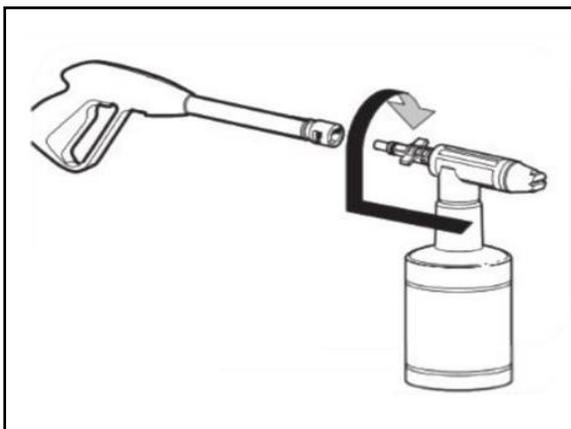
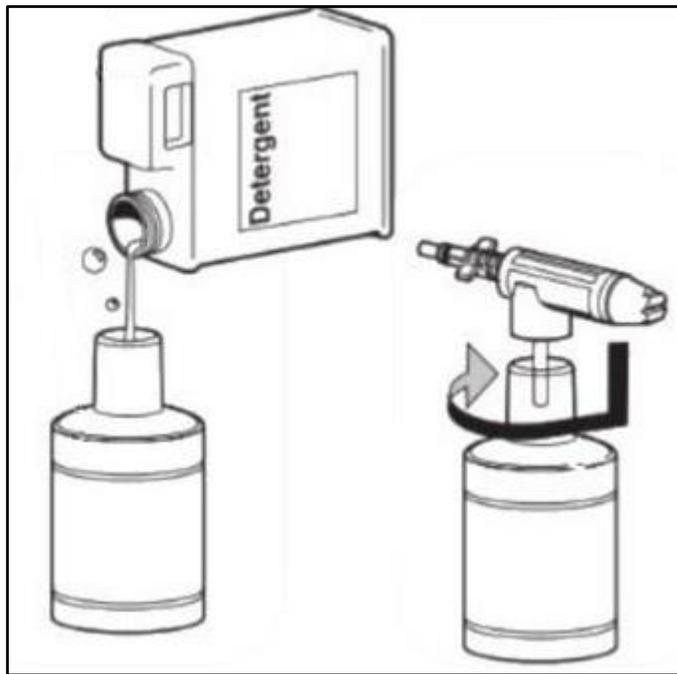
## HY145HPW-1 Detergent Attachment

Remove the top from the Detergent attachment and fill with a suitable cleaning product. It has a 0.5 litre (500ml) capacity.

**⚠ WARNING :** Never use Soaps, Foams or Detergents high in Acid or Alkaline. This will cause damage and void warranty.

The **Detergent Attachment** connects to the **Lance Handle** in the same way as the normal lance. Press the attachment into the Lance and rotate clockwise. Repeat in reverse to remove the **Detergent Attachment** from the **Lance Handle**.

Refer to Page 25 for operation.

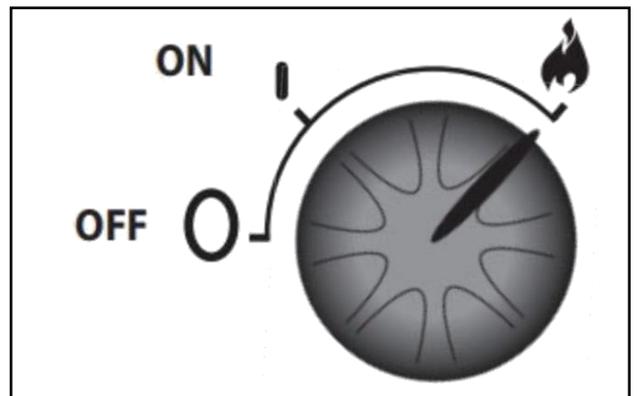
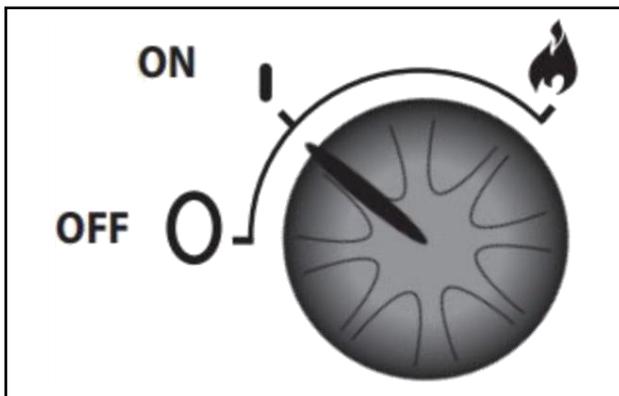
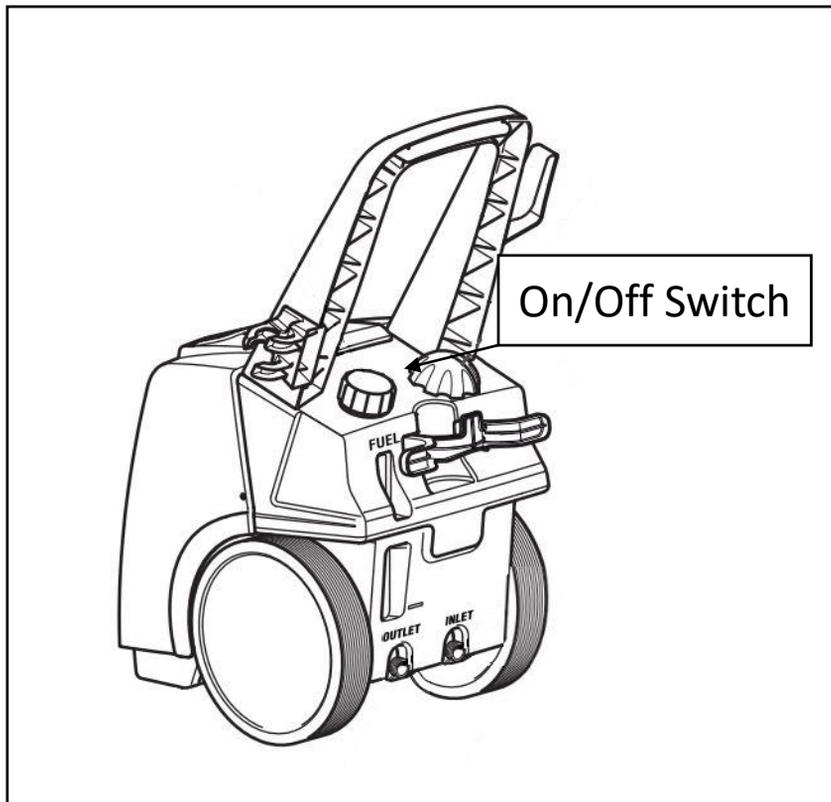


# Operation

## HY145HPW-1 Hot Water Function

Ensuring your HY145HPW-1 has an active Water Supply and filled with fuel, turn the **On/Off Switch** to the Hot Water Position (🔥).

**NOTE :** Allow the Diesel Heating element some time to heat the water under pressure. The first few seconds of use, the water may not be up to full temperature.

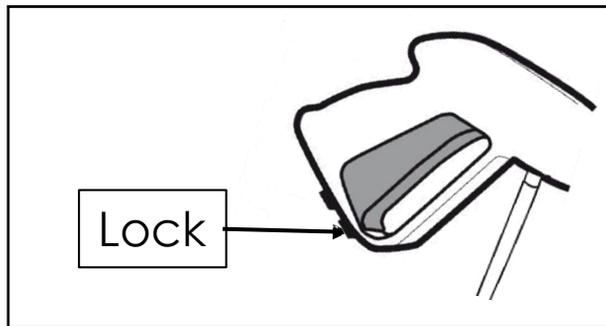
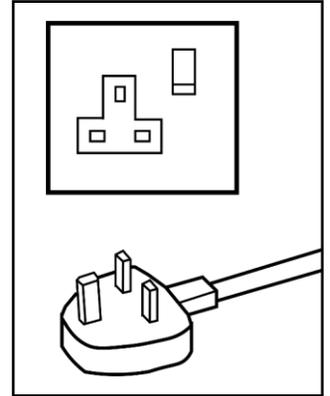
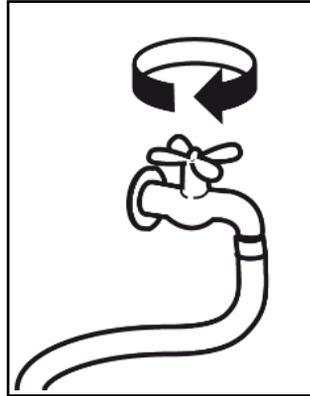
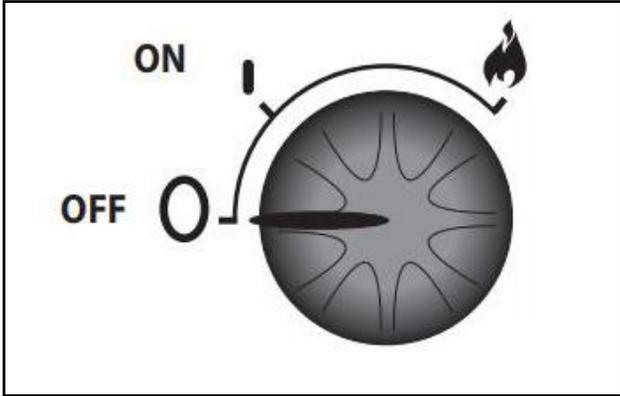


# Operation

## HY145HPW-1 Stopping

When finished using the machine, release the trigger and put the machine **On/Off** switch into the Off position, with the water supply off.

Switch off the power source and unplug the machine. Press the Lock button on the Trigger Safety Switch.



# Maintenance & Care

## General Maintenance

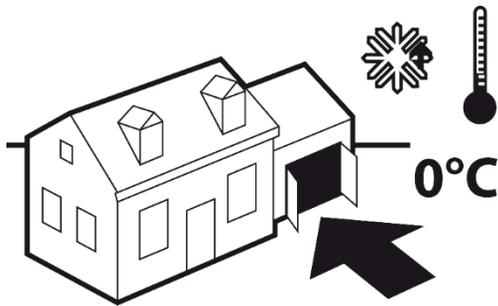
**⚠ WARNING :** Turn OFF the machine, allow all moving parts to come to a complete stop, and disconnect the power cord before maintaining the machine. You need to wear proper clothing and protective gloves whenever your hands are at risk.

- Keep all nuts, bolts and screws tight to be sure the machine is in a safe working condition.
- Replace worn or damaged parts for safety. Only use manufacturer-recommended parts and accessories.

## Storage

**⚠ Keep the machine stored in a dry, level area away from damp, moisture and rain fall. Allow the machine to cool down before storing.**

- Make sure the machine is clean and dry before storing.
- Ensure the machine is stored in a position, where any persons cannot step on, to attempt to reach items up high, due to risk of movement.
- DO NOT store the machine near an ignition source, such as a wood stove, gas or electric heater, or an appliance or heater with a pilot light.
- Store the machine out of reach of children or anyone who is not familiar with operation.
- DO NOT stack other items on top of the machine when in storage.
- Make sure the machine is stored away from direct sunlight. Store indoors or in a safe, frost-free area during severe weather and winter months.

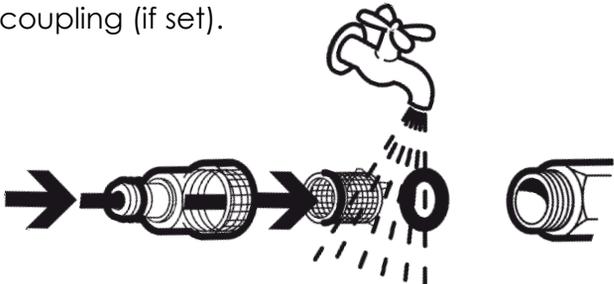
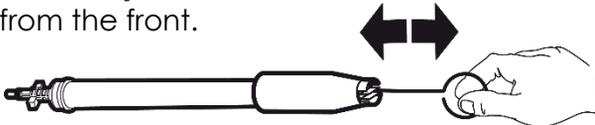


# Maintenance & Care

## Troubleshooting

**⚠ NOTE :** All corrective actions should be carried out by suitably qualified person/s.

**⚠ WARNING :** The appliance is equipped with a motor protection device: in case of intervention, wait a few minutes then disconnect and re-connect the product to the electric system. If this problem happens again or if the product does not start again, take the product to your service dealer.

Problem	Possible Solution
Machine will not start.	Check fuse in mains plug and replace if necessary.
	Check whether the voltage shown on the rating plate corresponds to that of the power source.
	The cable could be damaged. Check the cable for damage.
Machine does not reach operational pressure.	Vent the appliance: allow the pump to operate without the high-pressure hose until water appears at the high-pressure outlet without any more bubbles. Then re-attach the high-pressure hose.
	Clean the strainer in the water connection. Clean the filter placed inside the hose coupling (if set).
	
	Check the inlet water flow rate.
Strong pressure fluctuations.	Check all inlet pipes to the pump for leaks or blockage.
	Clean the high-pressure nozzle. Remove dirt from the nozzle hole with a needle ( <b>not included</b> ) and then rinse out with water from the front.
Pump leaks.	
	10 drops per minute are permissible. In the case of more serious leakage, you should contact your service dealer.

# Technical Data

## Specification

<b>Model</b>	<b>HY145HPW-1</b>
Maximum Pump Pressure	145bar / 2103psi
Motor Output	2.3kW - 230V
Fuel Tank Capacity	2L
Fuel Consumption	1.5L/hr
Net Weight	26.9kg
Wheel Dimension	246mm
High Pressure Hose Length	10M
Maximum Water Outlet Temperature	80°C (Degrees Celsius)
Water Flow Rate	450 L/hr

# Recycling & Disposal

## Recycling & Disposal

We do not offer a takeback scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries. Instead the responsibility to dispose of WEEE and/or Batteries is passed onto you by us.

So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site. For further information please contact your local Authority for disposal advice.

You **MUST** make sure that all unused oil and fuel is disposed of correctly either beforehand or at your local Civic Amenity Site.

- Under NO circumstances must any fuel or oil be put down any drains.
- Certain products contain WEEE waste which should not be disposed of in your domestic waste.
- You **MUST** recycle WEEE in accordance with your local authority or recycling centre.
- Certain products contain batteries which should not be disposed of in your domestic waste.
- You **MUST** recycle batteries in accordance with your local authority or recycling centre.
- Unwanted packaging and materials should be stored and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.

We are a Member of the VALPAK National Compliance Scheme and our registration number is RM08660. For further information about disposal please contact your Local Authority.

You can also get more advice and guidance about recycling at the following website <http://www.recycle-more.co.uk>

Should you pass this product on to another user either sold or loaned, you **MUST** pass on this user manual. This will make sure that all other users can use and maintain this machine safely.

## Environmental Protection

1. Environmental protection should be a priority of considerable importance when using the machine, for the benefit of both social coexistence and the environment in which we live. Try not to cause any disturbance to the surrounding area.
2. You must comply with local regulations and provisions for the disposal of packaging, oils, fuel, filters, damaged parts or any elements which have a strong impact on the environment. This waste must not be disposed of as normal waste. It needs to be separated and taken to specified waste disposal centres where the material will be recycled.
3. You must comply with local regulations for the disposal of waste materials after mowing.
4. When disposing, do not pollute the environment with the machine, but hand it over to a disposal centre, in accordance with the local laws in force.

# EU Declaration Of Conformity

## Importer and Authorised Representative

Genpower Ltd  
Isaac Way, Pembroke Dock, SA72 4RW

**Country of Origin:** Italy

**Description:** 2.3kW Diesel Hot Pressure Washer

**SKU Code:** HY145HPW-1

**Date of Issue:** 06/12/2021

## Regulations and Directives of Compliance

- 2006/42/EC The Machine Directive
- 2014/30/EU EMC Directive
- 2000/14/EC Noise Emissions
- 2011/65/EU RoHS

## Statement of Declaration

We the importer and authorised representative of the product described confirm conformity within the provisions of applicable regulations and directives listed within this document.

## Signed on Behalf of Genpower Ltd

**Place of Issue:** Genpower Ltd

**Signatory Name:** Roland Llewellyn

**Position:** Managing Director

*R J Llewellyn*  
.....



# Useful Information

## Check Out Our YouTube Channel

Our videos on YouTube include:

- Unboxing
- Assembly of your machine
- How to service your machine
- Products in use
- 'How To' videos
- Product features

Go to YouTube and search '**Hyundai Power Products**'.

## Warranty

Proof of purchase will be required before you make a warranty claim. Full warranty terms and conditions can be found on the HYUNDAI POWER PRODUCTS website:  
**[www.hyundaipowerproducts.co.uk](http://www.hyundaipowerproducts.co.uk)**

## Manual Updates

Our manuals are constantly being reviewed and updated. Should you find an error, omission or something unclear, please contact us for assistance. We reserve the right to make any modifications without prior notice whenever necessary. Our latest manuals are also placed online. All our manuals can be downloaded at:  
**[www.hyundaipowerproducts.co.uk](http://www.hyundaipowerproducts.co.uk)**

## Returning Your Product

If you are returning your product, please contact the dealer for their returns policy.

## Leaving A Review

We work very hard to give all of our customers the best possible service. If you have any problems, before leaving negative feedback, please contact us to give us a chance to resolve the issue. We would be delighted if you left us positive feedback! To leave a review, please go to:  
**[uk.trustpilot.com/review/hyundaipowerequipment.co.uk](http://uk.trustpilot.com/review/hyundaipowerequipment.co.uk)**

## Ordering Spare Parts

You can find the spare part you are looking for at **[power-spares.co.uk](http://power-spares.co.uk)**

# Product Record

## Information

As soon as you have purchased the machine, we recommend that you fill out the following. If you need to contact an authorised dealer or customer service for information on servicing, you may need to provide the following information.

Date Of Purchase:.....

Dealer Name:.....

Dealer Phone:.....

Model Number:.....

Serial/Batch Number:.....

# Contact Us

## Need Help? Talk To Our Experts

Our friendly aftersales team will be more than happy to help you.



### Phone

Call our team on 01646 687 880



### Email

[aftersales@hyundaipowerproducts.co.uk](mailto:aftersales@hyundaipowerproducts.co.uk)



### Online Live Chat

Go to [www.hyundaipowerproducts.co.uk](http://www.hyundaipowerproducts.co.uk)



### Post

Genpower Ltd, Isaac Way, Pembroke Dock, Pembrokeshire, SA72 4RW.



### Hyundai Support Website

Go to [hyundaisupport.co.uk](http://hyundaisupport.co.uk)

# HYUNDAI

POWER PRODUCTS

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E: [info@hyundaipowerproducts.co.uk](mailto:info@hyundaipowerproducts.co.uk)  
[www.hyundaipowerproducts.co.uk](http://www.hyundaipowerproducts.co.uk)

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