Pro-Tech TOOLS

High-pressure cleaner, 1800W, 150 bar



Instructions for use

Translation of the original instructions

Important safety instructions

Never point the nozzle at people or animals.
Never drink alcohol or take drugs whilst using this high-pressure equipment. Never use the cleaner whilst standing in water.
Never touch the mains plug with wet hands. Never allow electrical cables to be in water.
Never operate the cleaner when the tap is turned off. Never use hot water.

Important safety rules

WARNING: Always follow basic safety precautions when using this product, including:

1. Read all instructions before using the product. Follow all safety instructions.
2. Do not use the cleaner if you are tired or under the influence of alcohol or medication.
3. Risk of spray or injury – do not point the nozzle at people or animals, and do not use the cleaner on people or animals.
4. Do not allow children to use the high-pressure cleaner.
5. To reduce the risk of injury, close supervision is required when using the machine near children.
6. Find out how to switch off the machine immediately, reduce the pressure and learn how to operate the high-pressure cleaner.
7. Be vigilant – always watch where you are pointing the high-pressure nozzle.
8. Keep the work area where you are using the equipment clean and ensure that no one is present in the work area whilst the equipment is in use.
9. Always maintain your balance and a stable position – do not attempt to stand on an unstable surface.
10. The work area should be equipped with adequate drainage to reduce the risk of slipping on wet surfaces.
11. Follow the maintenance instructions provided in the installation manual.
12. To reduce the risk of electric shock, all connections must be kept dry. Do not touch the plug with wet hands.

General safety instructions

1. The cleaner is intended for domestic use only.
2. The high-pressure hose may be damaged as a result of heavy wear and bending. Do not use a damaged high-pressure hose.
3. Do not use the pressure washer near flammable materials, flammable vapours or dust.
4. Some chemicals or detergents can be dangerous if inhaled or swallowed, which may cause serious injury. If there is a risk of inhaling vapours, use a face mask or breathing apparatus. Read all instructions for using the face mask to ensure that it provides the necessary protection against inhaling harmful vapours.
5. Before working with the equipment, check all components and ensure that the water in the equipment has not frozen. Do not store the equipment at temperatures below 0 °C.
6. Do not make any modifications to the equipment. Equipment with damaged or missing parts, or without a protective cover, must not be used.
7. Maintain pressure in the high-pressure hose connected to the high-pressure washer and the pressure gun. Disconnecting the hose whilst under pressure may cause serious injury.
8. Do not leave the high-pressure washer unattended whilst it is in operation.
9. Keep high-pressure nozzles at a safe distance from the power cable to avoid electric shock.

Symbols

Symbols may appear on the labels on the device and in the user manual. They provide either product information or instructions for using the device.


Indicates potential injury


Double-insulated construction


Do not expose to rain or use in damp areas


To reduce the risk of injury, the user must read and understand all the information contained in the user manual before operating the equipment.


When working with the equipment, always wear safety goggles or a protective mask with a cover and, if necessary, a full-face mask.



To reduce the risk of injury, never direct the water jet at people or animals. Leaking hoses and connections can also cause injury due to powerful water jets.



Reduce the risk of injury from kickback. When starting the machine, hold the pressure gun with both hands.



Failure to follow the instructions for operating the device in a dry environment and failure to follow safe working practices may result in electric shock.



Warning! Never point the gun at people, animals, electrical or electronic equipment. The



device is not intended for connection to a drinking water supply.

Servicing double-insulated equipment

In a double-insulated product, two insulation systems are used instead of earthing. Double-insulated equipment is not required. Do not install any additional earthing components. Servicing a double-insulated product requires special care and knowledge of this type of equipment and should be carried out by qualified service personnel. Spare parts for a double-insulated product must be identical to the original parts. A double-insulated product is marked with the words 'DOUBLE-INSULATED' or 'DOUBLE-ISOLATED'.

Use of an extension lead

The use of an extension lead with this product is NOT recommended. If you must use an extension lead, use only those designed for outdoor use. Use only extension leads with a rated power that is not lower than the rated value on the product. Check the extension lead before use. Do not pull on the mains cable to disconnect it from the mains socket. Route the cable away from heat sources and sharp edges. Always disconnect the extension lead from the mains socket before disconnecting the product from the extension lead.

WARNING - Reducing the risk of electric shock. All connections must be dry. Do not touch the plug with wet hands.

- Do not use the appliance if the power cable or important parts of the appliance, such as safety devices, high-pressure hoses or the trigger, are damaged.

- If an extension lead is used, the plug and socket must be waterproof. **WARNING:** Unsuitable extension leads can be dangerous.

- When cleaning or carrying out maintenance, as well as when replacing parts or making adjustments, unplug the appliance from the mains.

Use of a high-pressure cleaner

The appliance is designed for use with cold water only. Do not use hot water in this appliance.

1. Use a cleaner with a pressure not exceeding the pressure indicated on the appliance. Never operate the appliance without water. Operating the appliance without water will cause irreparable damage.

2. Ensure that the water used for pressure washing is not contaminated and does not contain sand or any corrosive chemicals.

3. CAUTION – The pressure washer can be used for many applications, including washing cars and boats, and removing dirt. High water pressure can damage the work surface if the equipment is not used correctly. Detailed information can be found in the device's user manual. To ensure correct operation, you should always test the device before use.

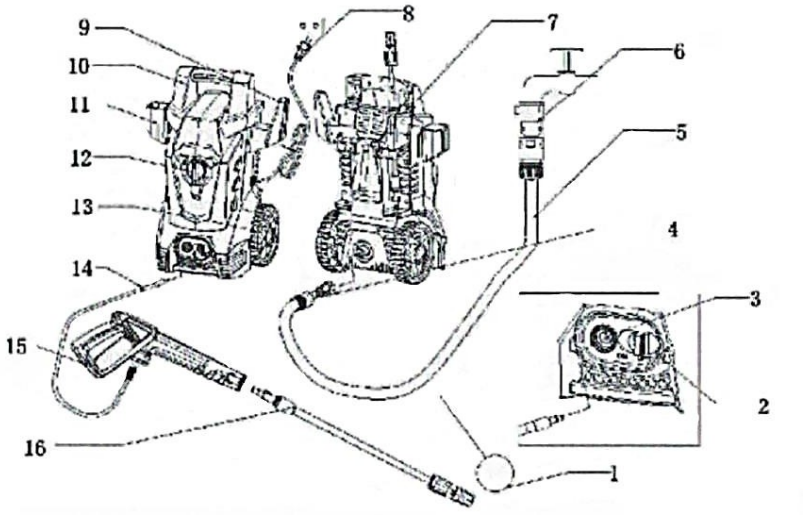
4. Never move the device by pulling on the hose. Use the handle on the device for this purpose.

5. Hold the high-pressure hose with both hands. Hold the gun handle with one hand and the handle with the other.

6. When dispensing the cleaning agent, spray it at a lower pressure. After using the detergent, rinse the area using the nozzle.

Assembly

Open the package. Remove all parts of the device and check that the package contains all items:

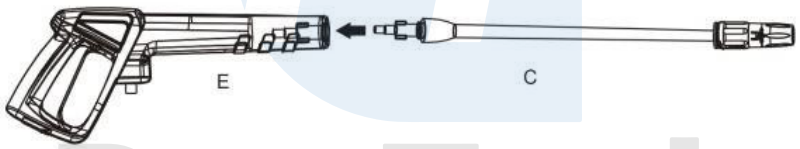


1. Nozzle cleaning brush
2. Power switch
3. Water outlet
4. Water inlet nut
5. Water inlet (optional)
6. Fastening element (optional)
7. Supporting element
8. Power cable
9. Power cable holder
10. Handle
11. Spray gun holder
12. Switch
13. Wheel
14. High-pressure hose
15. Pressure gun
16. Adjustable nozzle

(The diagram shown is for information purposes only. We reserve the right to make changes.)

Step 1

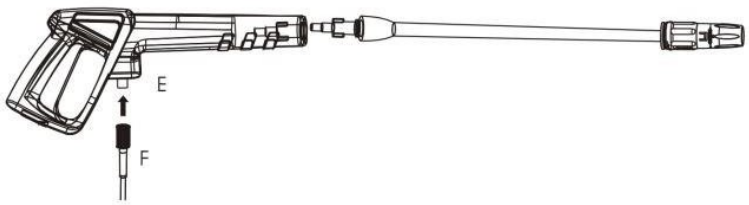
Insert the nozzle (C) into the gun (E). Press and turn the nozzle (C) clockwise onto the gun (E) until it is hand-tightened and secured in place. If the parts are correctly assembled, you cannot separate them by simply pulling the gun (E) straight out. For correct use, the accessories must be inserted into the gun.



Pro-Tech shop

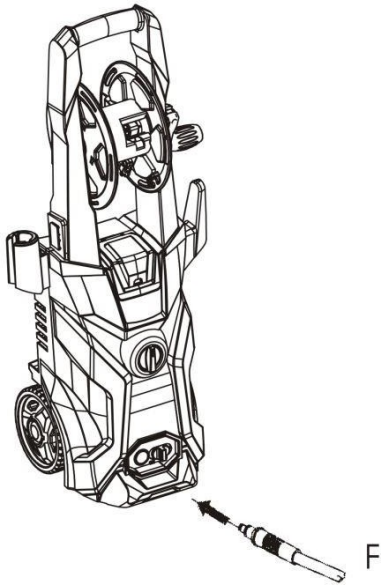
Step 2

Attach the high-pressure hose (F) to the gun (E). Connect it by turning the hose nut.



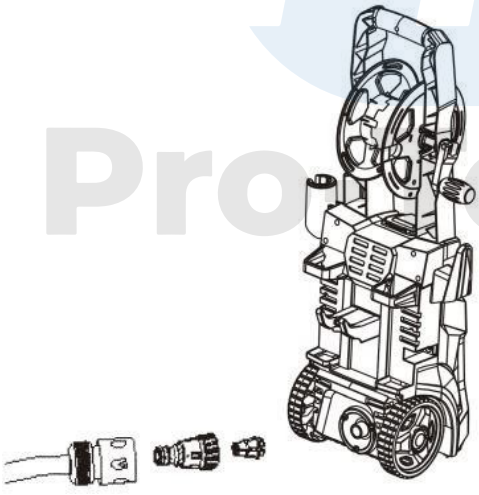
Step 3

Connect the high-pressure hose (F) to the water outlet on the pressure washer. Insert the hose and secure it firmly using the quick-release coupling to prevent water leakage. If the parts are connected correctly, they cannot be disconnected by simply pulling them out of the water outlet. Press the 'button' in the direction of the arrow, then you can pull out the high-pressure hose.



Step 4

Attach the hose connector to the high-pressure cleaner. Before fitting the connector to the male connection, remove the plastic cap that was fitted to the male connection of the high-pressure cleaner prior to dispatch. You can discard this plastic cap once removed. Once both components are fitted, secure the garden hose to the high-pressure cleaner using the connector screw. Connect the garden hose to the water outlet.



Protech shop

INSTRUCTIONS FOR USE

THIS DEVICE IS INTENDED FOR USE WITH COLD WATER ONLY! DO NOT USE HOT WATER IN THIS PRESSURE WASHER!

Start-up

After connecting the pressure washer to the cold water supply, proceed as follows:

Ensure that the ON/OFF switch is in the OFF position.
Connect the garden hose to the inlet fitting.
Insert the adjustable spray nozzle into the gun as per assembly step 1. Connect the high-pressure hose to the gun as per assembly step 2.
Connect the high-pressure hose to the high-pressure inlet fitting as per assembly step **3**. Connect the gun to the designated cleaning agent nozzle as per assembly step 4.
Open the water supply valve fully.

Before switching on the machine, press the trigger on the gun to release any remaining air from the pump and hose.
Start the pressure washer by turning the power switch to the 'on' position and pressing the trigger. NOTE: The motor does not run continuously, but only when the trigger is pressed.
WARNING – RISK OF SPLASHING! The machine starts when the trigger is pressed. **When switching off the machine after use, high pressure remains inside the hose and the machine. Point the gun in a safe direction and release the excess pressure**. **NEVER point the high-pressure water jet at people or animals**.

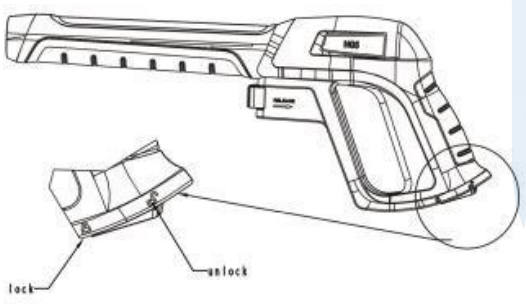
Automatic on/off

The pressure washer is equipped with an automatic switch. The pressure washer will only operate when the switch is in the ON position and the trigger on the gun is pressed. When you release the trigger to stop the water spraying from the gun, the motor on the pressure washer will switch off automatically. Simply press the trigger again to continue using the cleaner. If you wish to stop using the pressure washer, release the trigger and switch the unit to the OFF position. The unit should be switched off completely when not in use or when left unattended.

Emptying the gun

It is very important to bleed the gun before using the pressure washer. You will find the pressure washer assembly instructions in the "Assembly Manual". To bleed the gun, simply connect a garden hose to the pressure washer and press the trigger BEFORE switching on the power. This removes any air trapped inside the pressure washer and the gun before use. Keep the trigger pressed for about one minute to release all excess air **from** the machine. During this process, water will flow through the gun at low pressure. For further tips on bleeding, please refer to the section entitled 'Operating Instructions'.

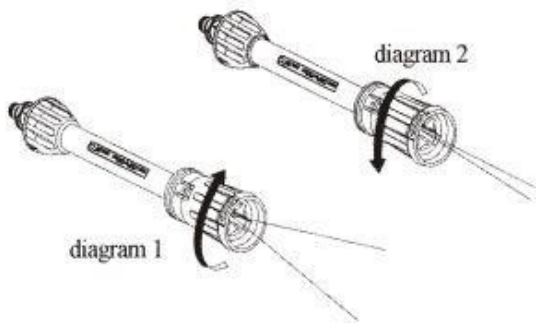
Gun safety lock



This pressure washer is equipped with a gun trigger safety lock. When the pressure washer is not in use, engage the safety lock to prevent accidental activation of the high-pressure spray.

Adjustable spray nozzle

The adjustable nozzle allows you to use different spray patterns, from a wide spray (Figure 1) to a direct jet (Figure 2). When cleaning wooden decking, cladding, vehicles, etc. with a high-pressure cleaner, always start with a wide spray and spray from a distance of at least 91 cm to avoid damaging the surface of the material being cleaned. Always start by spraying on a test area where there are no people or objects.



Warning: High-pressure nozzles can be dangerous if used incorrectly. Do not point the nozzle at people, live electrical equipment or the machine itself.

Do not direct the water jet at yourself or other people in order to clean clothing or footwear.

CLEANING AND STORAGE

Switching off the pressure washer

AFTER FINISHING USING THE PRESSURE WASHER, FOLLOW **THESE** ***STEPS*** **TO** ***SWITCH OFF*** **THE MACHINE*:***

Set the pressure washer to the OFF

position. Turn off the water supply.

• Before disconnecting the high-pressure hose, point the gun in a safe direction and drain the high-pressure water.

Disconnect the high-pressure hose from the pressure washer and the spray gun. Disconnect the garden hose from the pressure washer. Unscrew the quick-connect coupling from the garden hose and attach it to the outlet nozzle on the pressure washer so that you can store the unit. Remove any excess water from the pump by tilting the machine to both sides to drain any remaining water from the inlet and outlet connections. Remove the water inlet filter and rinse it with water to remove any dirt and deposits. Once cleaned, replace the filter.

• Empty the detergent tank and rinse it under running water.

• Wipe all remaining water from all parts and accessories.

• Engage the safety catch on the gun.

• Store the pressure washer, parts and accessories in a room with a temperature above 0 °C (32 °F).

Preparing for winter and long-term storage

FOLLOW ***ALL THE ABOVE PROCEDURES FOR SHUTDOWN*** **AND ADD** ***THE*** **FOLLOWING** ***STEPS*****…**

• After disconnecting the water supply and before disconnecting the high-pressure hose, switch on the pressure washer for **2–3 seconds** until all remaining water has drained from the pump. **SWITCH OFF THE MACHINE IMMEDIATELY.**

CONTINUED USE OF THE PRESSURE WASHER WITHOUT A WATER SUPPLY CONNECTED WILL CAUSE **SERIOUS** ***DAMAGE TO*** **THE MACHINE*!***

Always store the pressure washer, its components and accessories in a room with a temperature above 0 °C (32 °F).

Maintenance

WARNING**: FAILURE** ***TO FOLLOW*** **THESE** ***STORAGE INSTRUCTIONS*** **MAY** ***RESULT*** **IN DAMAGE TO THE** ***PUMP*** **UNIT.**

• This pressure washer is equipped with a sealed lubrication system, so there is no need to top up the oil.

• Before use, check all hoses and accessories for damage.

• Check the inlet filter regularly for any build-up. Clean this filter regularly to ensure maximum performance.

CLEANING TIPS

WARNING: ALWAYS TEST THE SPRAY IN AN AREA WHERE THERE ARE NO PEOPLE OR OBJECTS BEFORE YOU START SPRAYING THE SURFACE YOU WISH TO CLEAN.

Wooden and vinyl decking

Rinse the decking and surrounding area with clean water. If using a cleaning agent, fill the tank and apply it to the surface at low pressure. For best results, divide the work area into smaller sections and clean each section in turn. Allow the cleaning
agent to work on the surface for a few minutes, then rinse with high pressure. DO NOT ALLOW THE CLEANING AGENT TO DRY. For best results, always clean from left to right and from top to bottom. Rinse **with** high pressure **using a fan jet**
Adjust the settings and keep the nozzle tip at a distance of at least 15–23 cm from the surface being cleaned. When using the direct jet setting, maintain a greater distance from the area being cleaned. **Note: For softer types of wood, increase the distance from the area being cleaned**.

Concrete patios, stone and brick

Rinse the area being cleaned and the surrounding area with clean water. If using a cleaning agent, fill the cleaning agent reservoir and apply it to the surface being cleaned at low pressure. Rinse at high pressure **using the fan jet setting** in a sweeping motion, keeping the nozzle tip at least 8–15 cm away from the surface being cleaned. When using the direct jet setting, maintain a greater distance from the surface being cleaned.

Cars, boats and motorbikes

Rinse the cleaned area and the surrounding area with clean water. If using a cleaning agent, fill the reservoir and apply it to the surface at low pressure. For best results, clean one side at a time. Leave the cleaning agent to work on the surface for a few minutes, but do not allow it to dry out. Rinse **with** high pressure **using the fan jet setting** in a sweeping motion, keeping the nozzle tip at least 20 cm away from the surface being cleaned. When using the direct jet setting, keep a greater distance from the area being cleaned. Wipe the surface dry to a shine.

Barbecue grills, power tools and garden tools

Rinse the area being cleaned and the surrounding area with clean water. If using a cleaning agent, fill the cleaning agent reservoir and apply it to the surface at low pressure. Allow the cleaning agent to work on the surface for a few minutes, but do not let it dry out. Rinse
Use high pressure with **a fan spray setting**, keeping the nozzle tip at least 1–3 inches away from the surface being cleaned. When using a direct spray setting, maintain a greater distance from the surface being cleaned.

TROUBLESHOOTING TIPS

WHEN THE SWITCH IS IN THE 'I' **POSITION**, **THE MACHINE DOES NOT START**

POSSIBLE CAUSE The socket is damaged, the voltage is insufficient, the power cable is not plugged in
SOLUTION Check the plug, socket and fuses; check that the voltage is sufficient; plug in the power cable

THE PUMP IS NOT ACHIEVING SUFFICIENT PRESSURE, OR ITS PRESSURE IS FLUCTUATING

LIKELY CAUSE The filter on the water inlet is blocked; the pump is drawing in air
The suction valves are blocked/worn out; the garden hose diameter is too small.
Water supply is restricted; insufficient water supply
SOLUTION Remove and clean the filter, tighten the connections/bleed the
system Clean or replace the valves, replace with a 10cm garden hose
Check that the hose is not kinked or leaking, and fully open the water supply

PRESSURE WASHER DOES NOT HAVE, OR WILL NOT MAINTAIN, PRESSURE

LIKELY CAUSE Excessive air in the water pipes and pump
SOLUTION Switch off the machine and the water supply **/** Bleed the system / Hold the trigger down

THE PRESSURE WASHER IS MAKING EXCESSIVE NOISE

LIKELY CAUSE Blocked inlet, Worn, dirty or clogged valves, Dirty filter
SOLUTION Check the intake valves, Check, clean or replace the valves, Check, clean or replace the filter

MOTOR STOPS DURING OPERATION

LIKELY CAUSE Mains voltage is lower than recommended
SOLUTION Check that the voltage is sufficient

Technical specifications:

Model: HY618A-1800W
Voltage: 220–240 V / 50–60 Hz
Power: 1800 W
Nominal pressure: 110 bar
Maximum pressure: 150 bar
Nominal flow rate: 6.0 l/min
Max. flow rate: 9.3 l/min
Max. inlet water pressure: 1.0 MPa
Protection rating: IPX5
Protection class: Class II
Maximum temperature: 50
°C Net weight: 10 kg