

Gerni

- danish cleaning power

Super 130.1
Super 140.1
Super 140.1 Plus



User Manual



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1 Safety Precautions and Warnings

Symbols used to mark instructions



Before starting up your high-pressure washer for the first time, this user manual must be read through carefully. Save the instructions for later use.



This symbol is used to mark safety instructions that must be observed to prevent damage to the machine and its performance.



Safety instructions marked with this symbol must be observed to prevent danger to persons.



This symbol indicates tips and instructions to simplify work and to ensure a safe operation.



Do not let children or people who have not read the user manual operate the machine.

Before starting up your machine please check it carefully for any defects. If you find any, do not start up your machine and contact your Gerni distributor.

Especially check:

- The insulation of the electric cable should be faultless and without any cracks. If the electric cable is damaged, an authorized Gerni distributor should replace it.

WARNING!

- High pressure jets can be dangerous. Never direct the water jet at persons, pets, live electrical equipment or the machine itself.
- Never try to clean clothes or footwear on yourself or other persons.
- Hold the spray lance firmly with both hands. The spray lance is affected by a thrust of up to 26.5 Nm during operation.
- The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect themselves from being struck by debris dislodged during operation. Wear goggles during operation.

- Never use the machine in an environment where there could be a danger of explosion. If any doubt arises, please contact the local authorities.
- It is not allowed to clean asbestos-containing surfaces with high pressure.
- This high pressure washer must not be used at temperatures below 0°C.
- Never let any persons stand under the product when stored on the wall.

WARNING!

Inadequate extension cables can be dangerous. Cables on drums should always be completely unwinded to prevent the cable from overheating.

Extension cables should be of a watertight construction and comply with the below-mentioned requirements for length and cable dimensions.

1.0 mm ²	max.	12.5 m
1.5 mm ²	max.	20 m
2.5 mm ²	max.	30 m

- Cable connections should be kept dry and off the ground.

Mains power connection



The following should be observed when connecting the high pressure washer to the electric installation:

- Only connect the machine to an installation with earth connection.
- The electric installation shall be made by a certified electrician.
- It is strongly recommended that the electric supply to this machine should include a residual current device (GFCI).

Water connection

Connection to the public mains according to regulations.

IMPORTANT! Only use water without any impurities. If there is a risk of running sands in the inlet water (i.e. from your own well), an additional filter should be mounted.

Repair and maintenance

WARNING! Always remove the electric plug from the socket before carrying out maintenance work on the machine.

Safety devices

Locking device on spray gun (7a) (see foldout at the end of this manual):

The spray gun features a locking device. When the pawl is activated, the spray gun cannot be operated.

Thermal sensor:

A thermal sensor protects the motor against overloading. The machine will restart after a few minutes when the thermal sensor has cooled.

2 Description

2.1 Application

This high-pressure washer has been developed for domestic use within:

- Car, Motorbike, boat, caravan, trailer, patio/drive/flags-tones, woodwork, brickwork, barbecue, garden furniture, lawn mower

Only use the high-pressure washer for purposes described in this manual.

The safety precautions must be observed to prevent damage to the machine, the surface to be cleaned or severe personal injuries.

2.2 Operation elements and model survey



See foldout at the end of this manual.

- 1 Start/stop switch
- 2 Water inlet (with filter)
- 3 High pressure connection
- 4 High pressure hose
- 5 Electric cable
- 6 Click & Clean spray lance
- 7 Spray gun with lock
- 8 Click & Clean Tornado® PR nozzle
- 9 Click & Clean Powerspeed® nozzle
- 10 Click & Clean foam sprayer
- 11 Nozzle cleaning tool
- 12 Trolley handle

- 13 Hose reel (not standard)
- 14 Hose hook
- 15 Model tag
- 16 Quick coupling

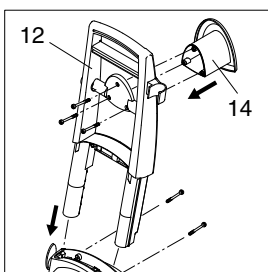
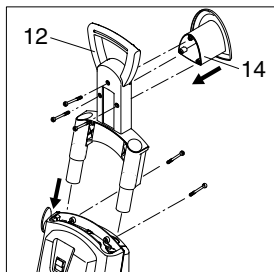
Specifications: See model tag (15) of machine.

Sound pressure level measures in accordance with ISO 3744 EEC directive 2000/14/EEC:
 $L_{pA} = 69,9$ dB(A), $L_{WA} = 84$ dB(A).

We reserve the right to alter the specifications.

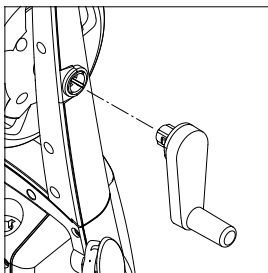
3 Before you start using your pressure washer

3.1 Mounting of trolley handle



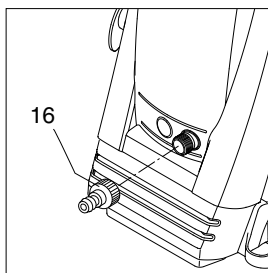
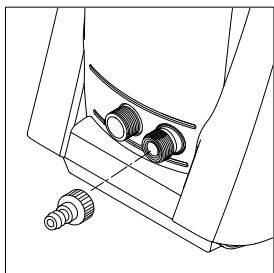
1. Remove the label on top of machine.
2. Push down the trolley handle (12) into the machine. Secure the handle by tightening the 2 screws.
3. Mount the hose hook (14) on the handle (3 screws).
Note: the hose hook can be mounted on the front as well as on the back. Front position is to be used if the product is used together with a special wall hook for wall storage.

3.2 Mounting of hose reel handle (Super 140.1)



1. Click the hose reel handle on to the trolley handle (no screws).

3.3 Mounting of quick coupling

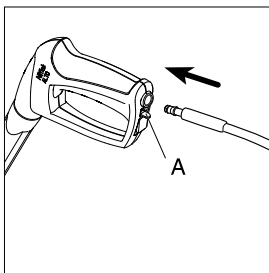


1. Screw the quick coupling (16) tight on to the water inlet (2).
Note: The inlet filter must always be fitted in the water inlet pipe to filter out sand, limestone and other impurities as these will damage the pump valves.



Caution: Failure to fit the filter will invalidate the guarantee.

3.4 Mounting of high pressure hose

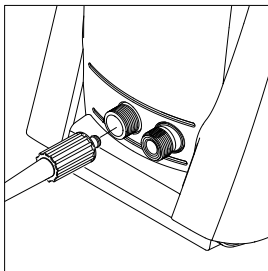


Attach the high pressure hose (4) to the spray gun (7).

Detach the high pressure hose by pressing the pawl (A).

4 Operating your pressure washer

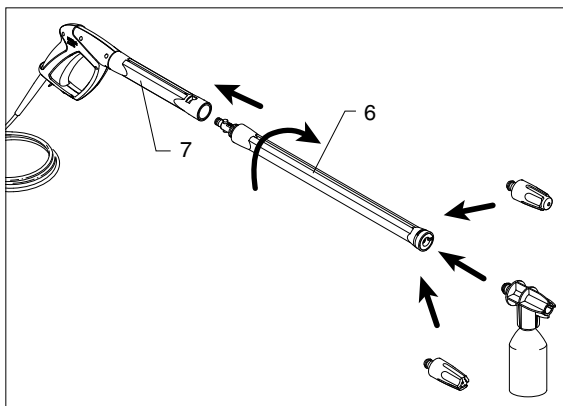
4.1 Connection of high pressure hose (Super 130.1)



1. Mount the high pressure hose on the outlet (3).

4.2 Mounting of spray lance and Click & Clean nozzles

1. Push the spray lance (6) into the spray gun (7) and twist it on.



Note: The spray lance (6) has a built-in low pressure nozzle that can be used for flushing away dirt.

2. Attach the nozzle.

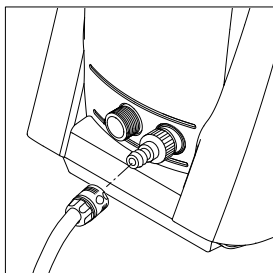


Warning: When attaching the Click & Clean nozzles, the button on the side of the spray lance should come out again.



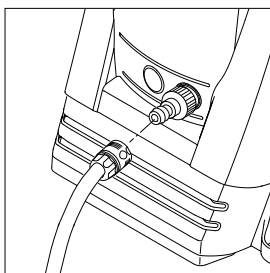
Note: The Tornado® PR nozzle and the foam sprayer feature a swivel lock, which must be positioned in the hole in the Click & Clean spray lance. Press the button to detach the Click & Clean nozzle.

4.3 Water connection



An ordinary 1/2" garden hose of **min. 5 m** and **max. 25 m** will be suitable.

NOTE: Connection to the public mains according to regulations.



IMPORTANT! Only use water without any impurities. If there is a risk of running sands in the inlet water (i.e. from your own well), an additional filter should be mounted.

1. Let the water run through the water hose before connecting it to the machine to prevent sand and dirt from penetrating the machine.



Note: Check that the filter is fitted in the water

inlet pipe and that it is not clogged up.

2. Connect the water hose to the water supply by means of the quick connector (inlet water, max. pressure: 10 bar, max. temperature: 50°C).
3. Turn on the water.

4.4 Start and stop of the machine (when connected to a water supply)



The spray lance is affected by a thrust during operation - therefore always hold it firmly with both hands. **IMPORTANT: Point the nozzle at the ground.**

1. Check that the machine is in upright position.
NOTE: Do not place the machine in high grass!
2. Release the trigger lock.
3. Activate the trigger of the spray gun and let the water run until all air has escaped from the water hose.
4. Press the Start/stop switch "I" (1).
5. Activate the trigger of the spray gun.

Always adjust the distance and thus the pressure of the nozzle to the surface, which is to be cleaned.

Do not cover the machine during operation.



Note: If the machine is left or not used for 5 minutes, it must be switched off on the start/stop switch "O" (1):

1. Press the start/stop switch "O".
2. Disconnect the electrical plug from the socket.
3. Shut off the water supply and activate the trigger to relieve the machine of pressure.
4. Lock the spray gun.

When releasing the trigger of the spray gun, the machine automatically stops. The machine will start again when you re-activate the spray gun.

4.5 Suction mode

The machine can take in water from a rain water source as an example. In the suction mode, the inlet hose must be filled with water before starting up the machine. The water inlet hose must not be too long, approx. 5 m.

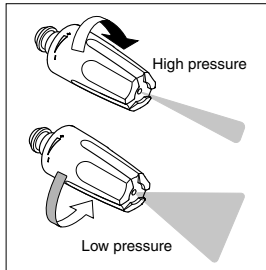
1. Make sure that the water source is not placed on a lower level than the machine.
2. Attach the water inlet hose to the machine and place the other end of it in the water source.
3. Start the machine.

4. Detach the spray lance and activate the trigger of the spray lance. Keep the trigger activated until water has come out for approx. 15 seconds.
5. Remount the spray lance and the machine is ready for operation.



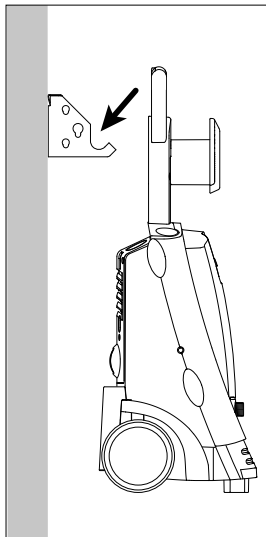
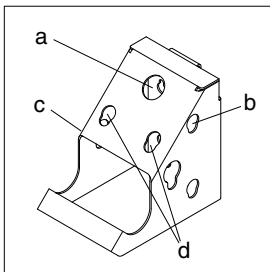
NOTE: The internal filter of the machine is not intended for the filtration of large quantities of impurities. If the water contains leaves, sand or the like, an external suction filter should be mounted. For further information, please contact your nearest Gerni distributor.

4.6 Pressure regulation on the TORNADO® PR-nozzle



The pressure can be regulated on the TORNADO® PR nozzle.

4.7 Stationary use



If mounting a special wall hook (not standard), the pressure washer can be used as a stationary solution meaning that it can be operated while hanging on the wall.

Only mount the wall hook on a sturdy wall. Adjust the length of the screws and size of raw-plugs to the type of wall.

On the wall hook garden/rim brush (a) foam sprayer (b), Click & Clean brush (c) and Click & Clean nozzles (d) can be stored.



Important: The bearing capacity of the wall hook is max. 30 kg.

5 Working methods

5.1 General

Efficient high pressure cleaning is achieved by following a few guidelines, combined with your own personal experience of specific cleaning tasks. Accessories and detergents, when correctly chosen, can increase the efficiency of your pressure washer. Here is some basic information about cleaning.

5.1.1 Detergent and foam

Foam or detergent should be applied onto dry surfaces so that the chemical product is in direct contact with the dirt. Detergents are applied from bottom to top, for example on a car bodywork, in order to avoid "super clean" areas, where the detergent collects in higher concentration and streams downwards. Let the detergent work for several minutes before rinsing but never let it dry on the surface being cleaned. **Note:** It is important that the detergents do not dry up. Otherwise the surface that has to be cleaned can be damaged.

5.1.2 Mechanical effect

In order to break down tough layers of dirt, additional mechanical effect may be required. Special wash brushes offer this supplementary effect that cuts through dirt (especially by car washing).

6 After using your pressure washer

6.1 Storing the washer



The machine should be stored in a frost-free room!

Pump, hose and accessories should always be emptied of water prior to storing as follows:

1. Stop the machine (press the start/stop switch "O" (1) and detach water hose and accessory.
2. Restart the machine and activate the trigger. Let the machine run until no more water runs through the spray gun.

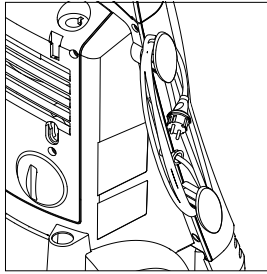
3. Stop the machine, unplug and wind up hose and cable.
4. Place spray handle, nozzles and other accessories in the holders of the machine.

Should the machine by mistake be frozen, it will be necessary to check it for damage.

NEVER START-UP A FROZEN MACHINE.

Frost damages are not covered by the guarantee!

6.2 Winding up of electric cable and high pressure hose

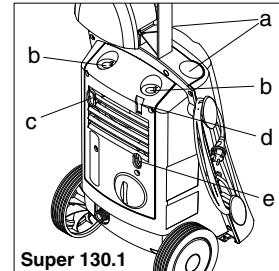
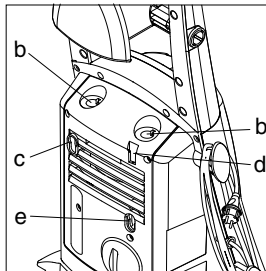
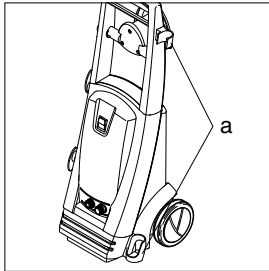


To avoid accidents, the electric cable and the high pressure hose should always be wound carefully up.

1. Wind up the electric cable on the appropriate hooks.

The high pressure washer comes in two models: A) with hook for storage of high pressure hose (14) - B) with a hose reel (13).

6.3 Storage of accessories



The standard accessories (spray gun/spray lance (a), nozzles (b) foam sprayer (c)) can be stored on the pressure washer.

The nozzle cleaning tool (d) and a Click & Clean brush (e) can also be stored on the product.

7 Maintenance



WARNING! Always disconnect the electrical plug from the socket prior to maintenance or cleaning.

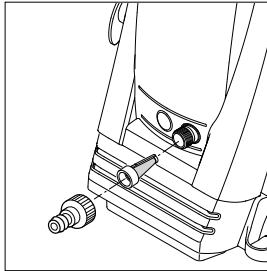
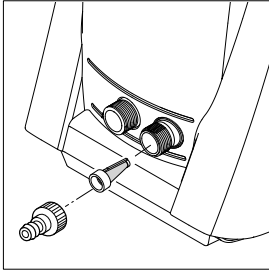
To ensure a long and problem free working life, please take the following advice:

- Wash out water hose, high pressure hose, spray lance and accessories before mounting.

- Clean the connectors of dust and sand. Make sure that no sand or dirt is blocking the movement of the button on the Click & Clean spray lance.
- Rinse the detergent spraying attachment after use.
- Clean the nozzles.

Any repair should always be made in an authorized workshop with original spare parts.

7.1 Cleaning of water inlet filter

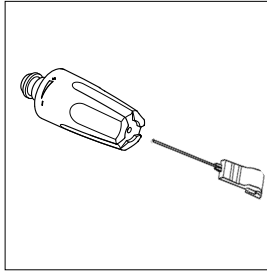


Clean the water inlet filter regularly once a month or more frequently according to use. Carefully loosen the filter with a pair of pliers and clean it. Check that it is intact before re-mounting it.

The inlet filter must always be fitted inside the water inlet pipe to filter out sand, limestone and other impurities, as they will damage the pump valves.

CAUTION: Failure to fit the filter will invalidate the guarantee.

7.2 Cleaning of nozzle



A clogging up in the nozzle causes a pump pressure which is too high. This is why cleaning is required immediately.

1. Stop the machine and disconnect the nozzle.
2. Clean the nozzle. **IMPORTANT:** The cleaning tool (11) should only be used when the nozzle is detached!
3. Flush the nozzle backwards with water.

7.3 Cleaning of machine vents

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

7.4 Greasing of couplings

To ensure an easy connection and that o-rings do not dry up, the couplings should be greased regularly.

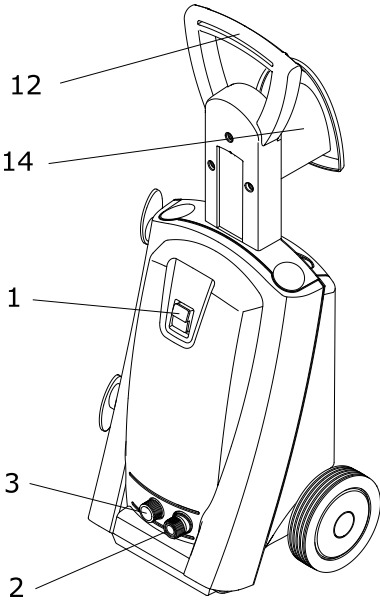
8 Trouble shooting

To avoid unnecessary disappointments, you should check the following before contacting the Gerni service organization:

Symptom	Cause	Recommended action
Machine refuses to start	Machine not plugged in Defective socket Fuse has blown Defective extension cable	Plug in machine. Try another socket. Replace fuse. Switch off other machines. Try without the extension cable.
Fluctuating pressure	Pump sucking air Valves dirty, worn out or stuck Pump seals worn out	Check that hoses and connections are air-tight. Clean and replace or refer to local Gerni distributor Clean and replace or refer to local Gerni distributor.
Motor buzzes	Low voltage or low temperature	Activate the trigger of the spray gun.
Machine stops	Fuse has blown Incorrect mains voltage Thermal sensor activated Nozzle partially blocked	Replace fuse. Switch off other machines. Check that the mains voltage corresponds to specification on the model tag. Leave the washer for 5 minutes to cool down. Clean the nozzle (see section 7.2)
Fuse blows	Fuse too small	Change to an installation higher than the amp. consumption of the machine. You may try without the extension cable.
Machine pulsating	Air in inlet hose/pump Inadequate supply of mains water Nozzle partially blocked Water filter blocked Inlet hose kinked	Allow machine to run with open trigger until regular working pressure resumes. Check that the water supply corresponds to specifications required (see model tag) NB! Avoid using long, thin hoses (min. 1/2") Clean the nozzle (see section 7.2) Clean the filter (see section 7.1) Straighten out hose.
Machine often starts and stops by itself	Pump/spray gun is leaking	Contact your nearest Gerni Service Centre.
Machine starts, but no water comes out	Pump/hoses or accessory frozen No water supply Water filter blocked Nozzle blocked	Wait for pump/hoses or accessory to thaw. Connect inlet water. Clean the filter (see section 7.1) Clean the nozzle (see section 7.2)

In case problems other than the above occur, please contact your local Gerni distributor.

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