

Safety notices

- Before the first use of this equipment, read the safety notices and follow them accordingly. Save these safety notices for reference or the next owner.
- Read the instruction manual carefully and pay special attention to the safety notices before putting the equipment in operation.
- Warning and alert labels on the equipment provide important notices for safe operation.
- In addition to the indications in the instruction manual, the current general safety and accident prevention regulations must be observed.

Electrical power connection

- The mains voltage must match the voltage indicated on the machine label.
- Minimum socket protection: (see technical data).
- Protective class I devices may only be connected to grounded power sources.
- This equipment must only be plugged to an electrical connection made by a qualified electrician, according to IEC 60364-1.
- It is recommended to use a residual current device (differential residual current circuit breaker – DR) that interrupts the power supply if the earth leakage current exceeds 30 mA for 30 ms, or a device against grounding circuit faults.
- The cable recommended by the manufacturer must be used; this also applies to any replacements.
- Before any use of the equipment, check that the cable and plug are not damaged in any way. Any damaged connection cables must be replaced immediately by our Authorized Service Centers or by an authorized technician to avoid hazard risks.
- The connection procedure may cause brief voltage drops. Under unfavorable conditions of the power grid, this effect may harm other devices.
- If the mains impedance is less than 0.15 Ohm, it is unlikely that problems will occur.
- Never use wet hands to handle electrical components such as cables, switches, plugs, extensions etc.
- Always ensure that cables and extensions are not damaged by running over them, crushing, pulling or similar problems. Protect them against heat, oil, sharp edges, and sharp or pointed objects.
- If you must use extensions, make sure that the cables have the appropriate gauge: 1.5 mm² for cables 1-10 meters of length, and 2.5 mm² for cables 10-30 meters long.
- The plugs and couplings of the electrical extension must be waterproof.
- ATTENTION:** Improper electrical extension cords can be dangerous. If extension cables have to be used, they must

be suitable for external use, and the connections must be kept dry and out of contact with water. It is recommended that the extension and its plugs remain at a minimum distance of 60 mm from the ground. Extension cords must be fully unwound during use.

- Regularly check the cables for cracks or aging. Should any damages be detected, replace the cable before using the device again.
- When replacing couplings on electrical extensions, their protection against water and their mechanical stability must not be impaired.

- The device must not be cleaned with a hose or high-pressure water jet (risk of short circuit or other damages).
- Do not operate the device at temperatures below 0 °C.
- WARNING:** Do not use the machine if a power cable or important parts of the equipment are damaged, e.g. safety devices, high pressure hoses, spray gun.
- WARNING:** Always turn off the switch when leaving the machine unattended.

Water connection

- If new garden hose sets are supplied with the kit, they must be used. Old hoses must not be reused.
- Pay attention to and follow the rules and instructions of your water supply company.
- Make sure that the entire supply line and its connections do not leak and are properly sealed.
- The high pressure hose must not be damaged.
- A damaged high-pressure hose must be replaced immediately. Only hoses and fittings recommended by the manufacturer may be used.
- ATTENTION:** The water that has passed through a system separator will be classified as non-potable.
- In accordance with current regulations, it is forbidden to use the appliance without a system separator in the drinking water network. Make sure that the intake of your domestic water installation where the high-pressure cleaner is operated is equipped with a system separator according to EN 12279 type BA. Always connect the system separator to the water supply, never directly to the device!
- ATTENTION:** High pressure hoses, couplings and fittings are important for the safety of the equipment. Use only the hoses, fittings and couplings recommended by the manufacturer.

Application

- Before using the equipment and its accessories, check that they are in good condition and working order. Do not use the equipment if the electrical cable or its important components are damaged, for example: safety devices, high pressure hoses, guns.
- Never suck up liquids containing thinners or acids and

solvents! These are materials such as gasoline, paint solvents or fuel oil. The dissipated mist is highly flammable, explosive and toxic.

- ATTENTION:** Explosion hazard – do not spray flammable liquids.
- Do not use acetone, acids and undiluted solvents, as they can corrode the materials used in the device.
- When using the device in hazardous areas (e.g. petrol pumps), the respective safety regulations must be observed. It is forbidden to use the device in places where there is a risk of explosion.

- The device must always be placed on a flat and stable base.
- Hearing protection equipment is required if a sound pressure level greater than 85 dB(A) is specified in the operating instructions for the device (technical data).
- All electrical components in the reach area of the equipment must be protected against water jets.
- The trigger gun cannot be locked when the device is in the depressed position.
- Some cleaning operations may present health hazards, therefore wear protective clothing and goggles against splashes of water and dirt.

- Kärcher detergents meet operational safety requirements, as they do not contain any substances that are harmful to the environment. Rinse immediately with water in case of contact with the eyes, and a doctor should be consulted immediately in case of ingestion of the liquid.
- Store detergents out of the reach of children.
- Never open the machine, either to carry out repairs or out of curiosity, especially with the motor running.
- For pauses of more than 5 minutes, the equipment must be turned off with the switch and depressurized.

Manipulation

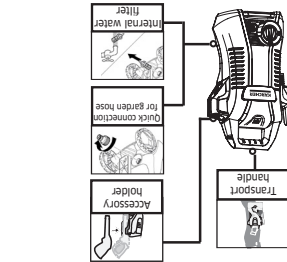
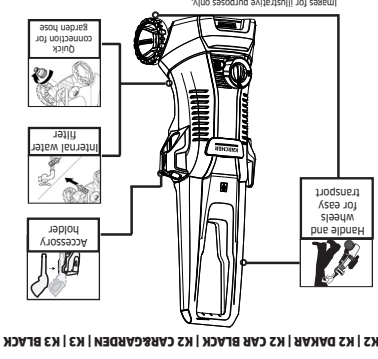
- The user must use the device according to the specifications. Observe the local conditions and pay attention to third parties and especially children when operating the machine.
- Always turn off the device at the main switch when leaving it unattended. Never leave the equipment unattended while turned on.
- The device must only be handled by persons who have been specially instructed to do so or by persons who have demonstrated ability to handle the device and who are expressly authorized to use it.
- This device should not be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been properly trained or supervised.
- ATTENTION:** This device must not be manipulated by children or untrained persons.
- ATTENTION:** Do not use the machine if other people are within its range, unless they are wearing protective equipment.
- Children must be supervised to ensure that they do not play with the device.
- Always work on the equipment using appropriate gloves.
- Due to the water jet coming out of the high pressure nozzle, a recoil force and eventual torque are produced

Environmental Protection

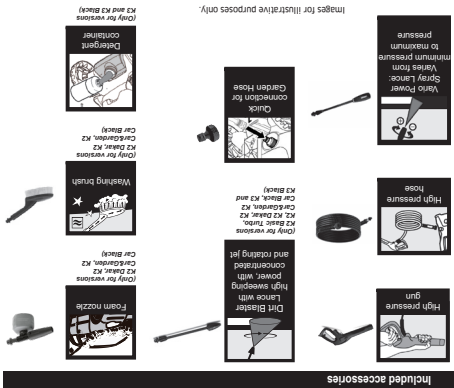
- The packaging materials are recyclable and recoverable. Please dispose of the packaging in a way that does not harm the environment.
- Old devices contain valuable recyclable materials that must be handed over for later reuse. Please dispose of used devices so as to protect the environment. Electrical and electronic equipment often contain components that can pose potential hazards to human health and the environment if they are handled or disposed of incorrectly. These components are necessary for the correct operation of the equipment. Equipment marked with this symbol must not be disposed of with household waste.
- Cleaning work that produces oil-containing wastewater (e.g. engine flushing or underbody flushing) should only be carried out in flushing areas with an oil separator.
- Work with detergents may only be carried out on sealed surfaces with a connection to the dirty water drain. Do not allow the detergent to enter the natural waters or penetrate the ground.
- Indications on ingredients (REACH)**
- You will find current information on ingredients here: www.karcher.com/REACH

Warranty

The warranty conditions established by our distribution company are applicable in all countries. Device faults will be repaired free of charge within the warranty period, provided they are due to material or manufacturing defects. In a warranty case, please contact the dealer where you purchased the machine or your nearest authorized customer service center with proof of purchase. The addresses can be found here:



K1 BASIC BLACK | K2 BASIC | K2 BASIC BLACK | K2 BASIC TURBO



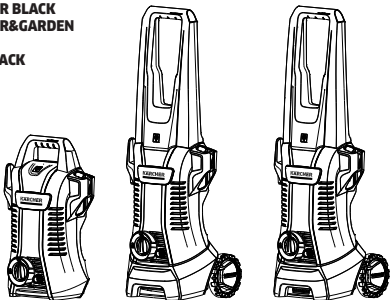
So even the heaviest dirt doesn't stand a chance against the water jet from your Kärcher.

most 360 liters in the same period. The result is 35 times more cleaning at 8 times less cost. A conventional hose consumes 3,000 liters of water per hour, while your Kärcher consumes at compared to cleaning with a conventional hose. With Kärcher you will clean faster with amazing results, and you will also save 80% water. leader in cleaning solutions, offering a complete line of products to meet all your needs. Founded in Germany in 1935 and present in Latin America since 1975, Kärcher is a world We are honored to have you as a client.

Congratulations!

KÄRCHER

K1 BASIC BLACK
K2 BASIC
K2 BASIC BLACK
K2 BASIC TURBO
K2
K2 DAKAR
K2 CAR BLACK
K2 CAR&GARDEN
K3
K3 BLACK



Images for illustrative purposes only.

General instructions



Read the original instruction manual before using your equipment. Proceed according to the instructions in the manual and keep it for later reference or for third parties to whom you can sell the equipment.

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www.karcher.com/dealersearch



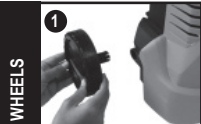
MADE IN BRAZIL BY
KÄRCHER INDÚSTRIA E COMÉRCIO LTDA.
VIA MIGUEL MELHADO CAMPOS, 600
VINHEDO - SP - BRAZIL - ZIP CODE 13.288-003
www.karcher.com

KÄRCHER

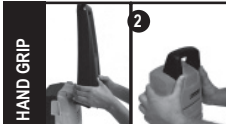
STEP BY STEP TO PUT THE MACHINE INTO USE

The assembly method is the same for all models in this manual.

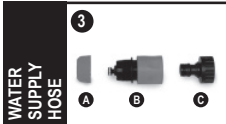
Images for illustrative purposes only.



Fit the wheel" on the bumper of the machine
"Wheels included only in the following models: K2, K2 Dakar, K2 Car&Garden, K2 Car Black, K3 and K3 Black.



Snap the handle bolts into the hole in the machine until you hear a "click".
No need to screw.



Fast connection:
A - Screw cap (Item not included)
B - Central Part (Item not included)
C - Connector



Screw the quick connect connector into the water inlet of the machine.



Fit the threaded cap of the quick connection to the water hose" which should have a diameter of 1/2 inch and a recommended length of 5 to 10 m. "not included



Carefully fit the quick connect onto the hose, making sure all the grips are facing out.



Screw the threaded cap clockwise into the quick connect until it locks.



Fit the end of the supply hose to the machine's water inlet connection.



Using another quick-connect fitting (not included), connect the other end of the supply hose to the tap.



Fit the high pressure hose terminal all the way into the water outlet connection of the machine, then screw the swivel nut clockwise all the way.



Fit the high pressure hose connector to the trigger Gun, until you find the correct position and press until you hear the "click".



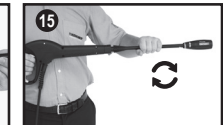
To disconnect the high pressure hose from the trigger Gun, press and hold the yellow button and pull the hose.



Safety recommendations! Whenever you change a trigger gun accessory or make a pause while leaving the machine on, actuate the safety lock by pressing the black trigger button to prevent accidents.



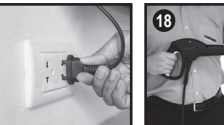
Fit the lance into the gun and compress the spring.



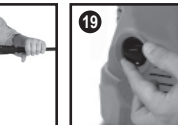
Turn the lance a quarter of a turn until it locks; to remove it, do the opposite movement.



Turn on the water supply faucet.



Connect the plug to your electrical outlet, making sure that the mains voltage is the same as the voltage of the machine.



To remove air from the system: With the washer off, press the trigger until air stops coming out and only water comes out.

With the trigger pulled, turn on the machine: turn the switch to the "I/ON" position.
CAUTION: when turning on, make sure that the lance (or the action range of the high pressure jet) is pointed away to avoid accidents



Pull the trigger to use the high pressure washer.



The Vario Power Spray Lance features pressure adjustment. Turn according to the indications engraved on the lance to adjust between minimum and maximum pressure.



In a container, dilute the Kärcher detergent in water according to the recommendations on the package. Put the suction hose into this container, making sure the hose is not kinked and is in contact with the diluted detergent (the position of the suction hose may vary).



Dilute Kärcher detergent in water in the container" according to the recommendations on the packaging. Place the suction hose in the container ("Only in the K3 and K3 Black versions).



With the Vario Power Spray Lance, turn the nozzle to the "min" position to apply detergent. To return to high pressure, set the nozzle between the "min" and "max" positions.



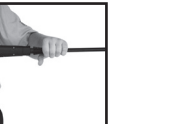
To apply detergent without the lance, remove it and pull the trigger.



To apply detergent with the Foam Nozzle accessory, separate the detergent container from the applicator, pour the detergent into the tank, diluted or otherwise, and replace it. (Optional accessory)



Attach the detergent applicator to the trigger gun by compressing the spring and turning a quarter turn until it locks. Pull the trigger to start the application. (Optional accessory)



Removing the remaining water: Turn on the equipment without the water supply hose and leave the equipment running for 1 minute at the most until there is no longer any water present.

Tips to run your Kärcher smoothly

Correct use

Your Kärcher is meant for domestic use only:

To clean machines, vehicles, tools, garden equipment, etc. with high pressure water jet (with detergent, if necessary).

The high-pressure washer can only be operated vertically.

Safety devices

ATTENTION:

Safety devices protect the user and cannot be changed or removed.

Machine switch

The machine switch prevents accidental actuation of the equipment.

Trigger gun with safety lock

With this system, a distracted person cannot operate the equipment or use it incorrectly.

STOP TOTAL System

When you release the trigger gun, the high pressure pump is turned off by a switch.

When the trigger is pulled, the pump turns back on.

Water supply

Dirty water can cause irreparable damage to the equipment.

For this reason, we recommend that the device is never connected to a water supply network without using a filter. Kärcher has a filter specially developed for this purpose.

Starting operation

ATTENTION:

Never let the equipment run without water for more than 2 minutes, as this may cause irreparable damages to the high pressure pump. If the device does not reach operating pressure within 2 minutes, turn it off and proceed according to the instructions in the "Troubleshooting" section.

Fit the high pressure hose to the high pressure outlet connection of the device.

Mount the lance on the trigger gun, rotating 90° to fix it.

Fully open the water supply tap.

Connect the cable plug to the electrical power outlet.

Press the trigger and set the switch to "I/ON".

Operation

DANGER! Due to the operating pressure of the equipment, when actuating the trigger the counter pressure exerts a contrary force, therefore be sure to hold the trigger gun in a firm, comfortable position.

Warning: The equipment turns off when the trigger is released. Turn according to the indications engraved on the lance to adjust between minimum and maximum pressure.

Never remove the hose or store the equipment before depressurization.

Detergent cleaning instructions

Apply a high pressure jet to the surface to remove excess dirt and moisten the surface to be cleaned.

Spray the detergent and let it act. Follow the recommendations on quantity, dilution and action time from the detergent manufacturer.

Finally, apply a high pressure jet again to the surface to be cleaned to completely remove both dirt and detergent.

Using the foam nozzle

To apply detergent with the Foam Nozzle accessory:

Unsnap the detergent cup from the applicator.

Fill the cup with detergent, diluted or otherwise, and snap it back on.

Place the nozzle on the trigger gun by compressing the spring and turning a quarter turn until it locks. Pull the trigger to start the application.

*Note: This accessory is sold separately and can be purchased from authorized stores and resellers.

Interrupting the operation (Full Stop)

For brief pauses in the operation, just release the trigger gun to turn off the device. For pauses greater than 5 minutes, proceed according to section "Turn off the appliance".

Turn off the appliance

To turn off the equipment, move the switch to the "0/OFF" position.

Close the water supply tap.

Press the trigger to release system pressure.

Disconnect the accessory mounted on the trigger gun.

Actuate the trigger gun safety lock.

Disconnect the high pressure hose.

Disconnect the water supply hose.

If you must leave the equipment stored for long periods, remove all the water inside as indicated in the following instructions:

Turn on the equipment without the water supply hose and press the trigger with the equipment running for a maximum of 1 minute until there is no longer any water present.

Disconnect the plug from the electrical power outlet.

Arrange the cable, the high pressure hose and the other accessories in the supports and accessory holders available in the equipment.

Storing the appliance

ATTENTION: To avoid damage to the equipment and accidents or injuries to the operator, the chosen storage site must support the weight of the machine (see technical data).

Place the equipment on a flat and stable surface.

Frost protection

CAUTION: Equipment and accessories that have not been completely emptied can be destroyed by frost. Completely empty equipment and accessories and protect from frost.

To avoid damages:

Completely empty the device, removing all the water: connect the device (max. 1 min) with the high-pressure hose and the water supply switched off, until no more water comes out of the high-pressure connection. Disconnect the device.

Store the device in a frost-proof place with all accessories.

Troubleshooting

With the help described below you can troubleshoot small faults. Should you have any questions, contact one of our Authorized Service Centers.

DANGER! Before carrying out any maintenance work, make sure to remove the power cord plug from the socket. Internal or electrical repairs should only be carried out by one of our Authorized Service Centers or Kärcher Technicians.

The equipment does not work:

Actuate the trigger gun: The equipment should start operating.

Check if the voltage indicated on the equipment label matches the local voltage.

Check if the cable is correctly connected or damaged.

Check the local mains for problems (circuit breaker, connections and fuses).

If the problem is not resolved, please take the equipment to the nearest Authorized Service Center.

The equipment does not reach working pressure:

Remove air from system: Turn on the equipment and pull the trigger without the lance, keep the trigger pressed for approximately 2 minutes until water comes out continuously without air bubbles.

Check the water supply for problems.

Check the conditions of the lance.

Check the water inlet filter for clogging or dirt. Wash or change as necessary.

If the problem is not resolved, please take the equipment to the nearest Authorized Service Center.

Equipment Oscillates/Vibrates:

Oscillation: Check for a possible clogging of the lance: Use an object that passes through the nozzle hole of the lance, e.g. a needle, and unclog the jet, then rinse the nozzle with plenty of water from the outside in.

Vibration: Check the water supply flow rate, it may be very low (little water) or if the temperature is high.

If the problem is not resolved, please take the equipment to the nearest Authorized Service Center.

The Unit Leaks Water:

Tightly fasten all manual connections.

Check that there are no broken rubber gaskets.

Note: Up to 3 drops per minute are admissible.

If the problem is not resolved, please take the equipment to the nearest Authorized Service Center.

Transport

ATTENTION:

To avoid accidents or injuries during transportation, pay attention to the weight of the device (see technical data), carry it by means of the handle, and protect it from slipping and falling.

Lance and Accessories

Vario Power Spray Lance: High pressure fan jet lance, ideal for everyday cleaning work. Its working pressure can be adjusted between minimum and maximum.

Dirt Blaster Lance (optional item and included in the versions K2 BASIC TURBO, K2, K2 DAKAR, K2 CAR&GARDEN, K2 CAR BLACK, K3 AND K3 BLACK): High-pressure lance with rotating jet, ideal for difficult-to-remove dirt in large areas.

Washing brush (optional item): It has soft bristles that do not damage the surface. Ideal for all types of cleaning.

Rotating Brush (optional item): Accessory that uses the force of the water from the high pressure washer to actuate the mechanism that rotates the internal bristles of the brush, which increases cleaning by scrubbing the surface to be cleaned.

T-Racer (optional item): Accessory with two internal high-pressure jets that rotate to enhance the cleaning of the area without splashes.

Notice: This accessory can only be used on flat surfaces.

Foam nozzle (optional item): Application nozzle that can be attached to the high pressure washer instead of the lance to apply detergent while cleaning vehicles, floors etc.

Symbols on the Device



The high pressure jet must not be directed at people, animals, live electrical equipment or the device itself. Protect the device against frost.



The machine may not be immediately connected to the public drinking water supply.

Technical Data								
Electrical Connection		K1 Models		K2 Models		K3 Models		
Voltage	V	110-127	220	110-127	220	110-127	220	
Frequency	Hz	1-50-60	1-50-60	1-50-60	1-50-60	1-50-60	1-50-60	
Current	A	10	6	10	6	13	7.5	
Main fuse (slow blow)	A	16	10	16	10	16	10	
Protective Class		II	II	II	II	II	II	
Protection class		IPX5	IPX5	IPX5	IPX5	IPX5	IPX5	
Water Connection								
Input temperature (max)	°C	40	40	40	40	40	40	
Min. feed volume	l/min (L/h)	6.5 (390)	6.5 (390)	6.5 (390)	6.5 (390)	7.5 (450)	7.5 (450)	
Feed pressure (min-max)	MPa (psi)	0.2-1.2 (30-175)	0.2-1.2 (30-175)	0.2-1.2 (30-175)	0.2-1.2 (30-175)	0.2-1.2 (30-175)	0.2-1.2 (30-175)	
Garden Hose (input)								
Recommended Length	m	5-10	5-10	5-10	5-10	5-10	5-10	
Diameter	inch	1/2	1/2	1/2	1/2	1/2	1/2	
Power-Related Data								
Rated working pressure	MPa (psi)	7.34 (1065)	7.34 (1065)	7.34 (1065)	7.34 (1065)	8.0 (1160)	8.0 (1160)	
Maximum acceptable pressure	MPa (psi)	10.3 (1500)	10.3 (1500)	11 (1600)	11 (1600)	12 (1740)	12 (1740)	
Water flow rate	l/min (L/h)	4.25 (255)	4.25 (255)	4.25 (255)	4.25 (255)	5.5 (330)	5.5 (330)	
Maximum water flow	l/min (L/h)	4.67 (280)	4.67 (280)	4.67 (280)	4.67 (280)	6.0 (360)	6.0 (360)	
High-pressure gun recoil force	N	<10	<10	<10	<10	12	12	
Determined values in acc. with ABNT NBR 13910 - IEC 60304:								
Sound pressure level L _{WA}	dB(A)	74	75	74	75	74	75	
Uncertainty K	dB(A)	2	2	2	2	2	2	
Hand-arm vibration according with IEC 60335-2-79:								
Total vibration value a _h	m/s ²	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
Dimensions and Weights				K1 Basic Black, K2 Basic, K2 Basic Black, K2 Basic Turbo				
Length	mm	187	187	187	187			
Width	mm	281	281	281	281			
Height	mm	442	442	442	442			
Weight	kg	4.7	4.6	4.7	4.6			
Dimensions and Weights				K2, K2 Dakar, K2 Car&Garden, K3 Basic Black				
Length	mm			255	255	255	255	
Width	mm			281	281	281	281	
Height	mm			798	798	798	798	
Weight	kg			4.7	5.6	6.1	6.0	