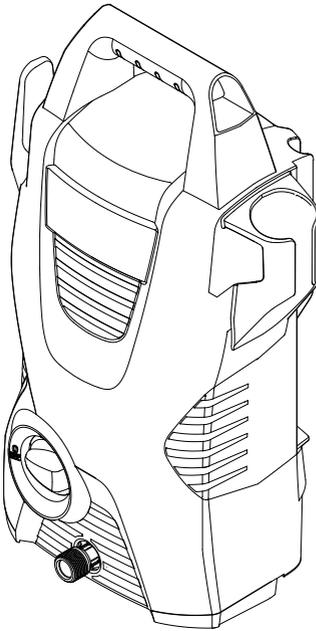


# KÄRCHER

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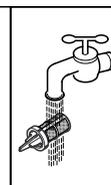
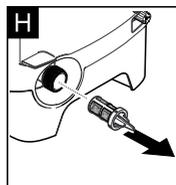
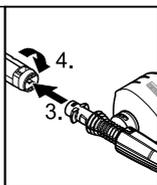
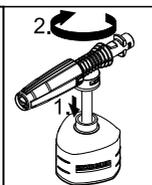
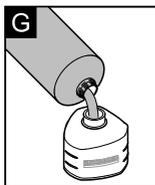
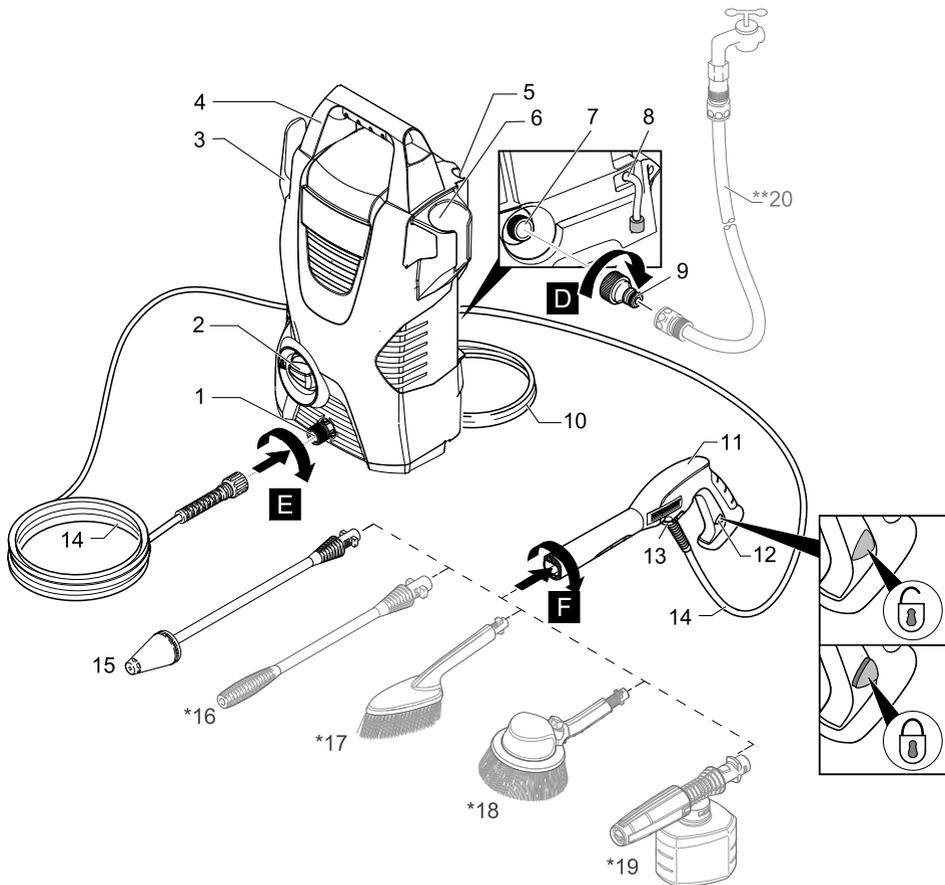
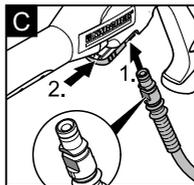
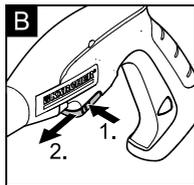
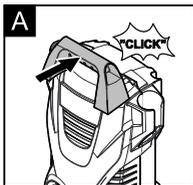
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EAC



59654370 (11/15)



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Please read and comply with these original operating instructions and the enclosed safety instructions. Proceed accordingly. Keep both booklets for future reference or subsequent owners.

## Scope of delivery

The scope of delivery of your appliance is illustrated on the packaging. Check the contents of the appliance for completeness when unpacking.

In the event of missing accessories or any transport damage, please contact your dealer.

## Additionally required

- Fabric-reinforced water hose with commercially available coupling.
- Minimum diameter, 1/2 inches (13 mm).
- Minimum length 7.5 m.

## Proper use

This high pressure cleaner is designed for domestic use only.

- for cleaning machines, vehicles, buildings, tools, facades, terraces, gardening tools, etc. by means of a high-pressure water jet (if necessary, with additional cleaning agents).
- with accessories, replacement parts and cleaning agents approved by KÄRCHER. Please observe the information accompanying the cleaning agents.

## Environmental protection

### Notes about the ingredients (REACH)

You will find current information about the ingredients at:

**[www.kaercher.com/REACH](http://www.kaercher.com/REACH)**



The packaging material can be recycled. Please arrange for the environmentally appropriate disposal of the packaging.



Old appliances contain valuable recyclable materials that should be recycled properly. Please arrange for the environmentally appropriate disposal of the old devices.



Cleaning operations which produce oily waste water, e.g. engine washes, underbody washes, may only be carried out using washing stations equipped with an oil separator.



Work with detergents must only be performed on liquid-tight work surfaces with a connection to the sewer system. Do not let release detergent into waters or earth.

## Safety

### Safety instructions

Prior to the first use of this device, the accompanying "Safety instructions for high-pressure cleaners" must be read.

### Hazard levels

#### **DANGER**

*Pointer to immediate danger, which leads to severe injuries or death.*

#### **WARNING**

*Pointer to a possibly dangerous situation, which can lead to severe injuries or death.*

#### **CAUTION**

*Pointer to a possibly dangerous situation, which can lead to minor injuries.*

#### **ATTENTION**

*Pointer to a possibly dangerous situation, which can lead to property damage.*

### Symbols on the machine



*The high pressure jet must not be directed at persons, animals, live electrical equipment or at the appliance itself.*

*Protect the appliance against frost.*



*The appliance must not be directly connected to the public drinking water network.*

## Safety Devices

### ⚠ CAUTION

- Safety installations serve the protection of the user and may not be modified or bypassed.

### Appliance switch

The appliance switch prevents unintentional operation of the appliance.

### Lock trigger gun

This lock locks the lever of the trigger gun and prevents the inadvertent start of the appliance.

### Overflow valve with pressure switch

If the lever on the trigger gun is released the pressure switch turns off the pump, the high pressure jet is stopped. If the lever is pulled the pump is turned on again.

## Description of the Appliance

- 1 High pressure connection
- 2 Appliance switch "0/OFF"/ „I/ON“
- 3 Storage hook for high pressure hose and mains connection cable
- 4 Carrying handle
- 5 Storage for spray lance
- 6 Storage for trigger gun
- 7 Water connection with integrated sieve
- 8 Detergent suction hose (with sieve)
- 9 Coupling element for water connection
- 10 Mains cable with mains plug
- 11 Trigger gun
- 12 Lock trigger gun
- 13 Clamp for high pressure hose
- 14 High pressure hose
- 15 Spray lance with Dirtblaster  
For strong contaminations

### \* Optional accessories

- 16 Spray lance with high pressure nozzle  
For normal cleaning tasks.
- 17 Washing brush
- 18 Rotary washing brush  
Especially suitable for cleaning cars.
- 19 Foam nozzle with detergent container  
With powerful foam for effortless cleaning.

### \*\* not included in the scope of delivery

- 20 Water supply hose

## Special accessories

Special accessories expand the possibilities of using your appliance. Please contact your KÄRCHER dealer for further information.

## Assembly

Mount loose parts delivered with appliance prior to start-up.

### Illustrations on Page 2

#### Illustration **A**

- Attach the carrying handle.

#### Illustration **B**

- Pull out the clamp for the high pressure hose from the hand spray gun.

#### Illustration **C**

- Connect high pressure hose to trigger gun.
- Push the clamp in until it locks. Check the secure connection by pulling on the high-pressure hose.

#### Illustration **D**

- Screw the coupling element to the water connection on the appliance.

## Start up

- Park the appliance on an even surface.

#### Illustration **E**

- Connect the high pressure hose to the high pressure connection of the appliance.
- Insert the mains plug into the socket.

## Water supply from mains

For connection values, see type plate/technical data. Observe regulations of water supplier.

### ATTENTION

*Impurities in the water can damage the high-pressure pump and the accessories. For protection, the use of the KÄRCHER water filter (optional accessory, order no. 4.730-059) is recommended.*

- Attach the water supply hose to the coupling on the water connection.
- Connect the water supply hose to the water supply.
- Completely open the water tap.

## Operation

### ⚠ CAUTION

Dry running of more than 2 minutes leads to damage of the high-pressure pump. If the appliance does not build up pressure within 2 minutes, switch the appliance off and proceed in accordance with the instructions in Chapter "Troubleshooting".

### High pressure operation

### ⚠ CAUTION

Keep a distance of at least 30 cm when using the jet for cleaning painted surfaces to avoid damage.

### ATTENTION

Car tyres, paint or sensitive surfaces such as wood should not be cleaned with the dirt blaster, as there is a risk of damage.

### Illustration **F**

- Push the spray lance into the trigger gun and fasten it by turning it through 90°.
- Turn on the appliance "I/ON".
- Unlock the lever on the trigger gun.
- Pull on the lever of the trigger gun; the device will switch on.

**Note:** Release the lever of the trigger gun; the device will switch off again. High pressure remains in the system.

### Operation with washing brush

### ATTENTION

*Risk of damage to the paintwork*  
When working with the washing brush, it must be free of dirt or other particles.

- Push the washing brush into the trigger gun and fasten it by a 90° turn.

**Note:** If required, the washing brushes can be used to work with detergent.

### Operation with detergent

**Note:** Detergent can only be added when the device is operated in low pressure mode.

### ⚠ DANGER

When using detergents, the material data safety sheet issued by the detergent manufacturer must be adhered to, especially the instructions regarding personal protective equipment.

- Pull detergent suction hose as far as is required out of the housing.
- Suspend end of detergent suction hose in a container filled with detergent.
- Detach spray lance from the trigger gun. Work only with the trigger gun.

**Note:** This will mix the detergent with the water stream.

### Recommended cleaning method

- Spray the detergent sparingly on the dry surface and allow it to react, but not to dry.
- Spray off loosened dirt with the high pressure jet.

### Optional

#### Illustration **G**

- Fill the detergent solution in the detergent tank of the foam nozzle (observe dosage instructions on the packaging of the detergent).
- Connect the foam nozzle to the trigger gun.

### Interrupting operation

- Release the lever on the trigger gun.
- Lock the lever on the trigger gun.
- Insert the trigger gun in its holder.
- During longer breaks (more than 5 minutes), also turn the appliance off using the "0/OFF" switch.

### Finish operation

### ⚠ CAUTION

Only separate the high-pressure hose from the hand spray gun or the appliance when there is no pressure in the system.

- After operation with detergent: Run the machine for approximately 1 minute for a clear rinse.
- Release the lever on the trigger gun.
- Turn off the appliance "0/OFF".
- Disconnect the mains plug from the socket.
- Turn off tap.
- Press the lever on the trigger gun to release any remaining pressure in the system.
- Lock the lever on the trigger gun.
- Detach the appliance from the water supply.

## Transport

### ⚠ CAUTION

*Risk of personal injury or damage!*  
Mind the weight of the appliance during transport.

### When transporting by hand

- Lift appliance by the carrying handle and carry it.

### When transporting in vehicles

- Secure the appliance against shifting and tipping over.

## Storage

### ⚠ CAUTION

*Risk of personal injury or damage!*

*Consider the weight of the appliance when storing it.*

### Storing the Appliance

- Park the machine on an even surface.
- Engage the spray lance in its compartment.
- Insert the trigger gun in its holder.
- Stow away the mains cable, the high-pressure hose and accessory on the appliance.

Prior to extended storage periods, as during the winter, also observe the instructions in the Care section.

### Frost protection

### ATTENTION

*Appliances and accessories that are not completely drained can be destroyed by frost. Completely drain appliance and accessories and protect them against frost.*

To avoid damage:

- Completely drain all water from the appliance: Switch the appliance on with detached high pressure hose and detached water supply (max. 1 minute) and wait, until no more water exits at the high pressure connection. Turn off the appliance.
- Store the appliance and the entire accessories in a frost free room.

## Care and maintenance

### ⚠ DANGER

*Risk of electric shock.*

- *Prior to all work on the appliance, switch off the appliance and pull the power plug.*

### Care

#### Clean the sieve in the water connection

Clean the sieve in the water connection regularly.

### ATTENTION

*The sieve must not be damaged.*

- Remove coupling from the water connection.

Illustration **H**

- Pull the sieve out using flat pliers.
- Clean the sieve under running water.
- Reinsert the sieve into the water connection.

#### Cleaning the detergent filter

- Remove filter from suction hose for detergent and clean under running water.

### Maintenance

The appliance is maintenance free.

## Troubleshooting

You can rectify minor faults yourself with the help of the following overview.

If in doubt, please consult the authorized customer service.

### ⚠ DANGER

*Risk of electric shock.*

- *Prior to all work on the appliance, switch off the appliance and pull the power plug.*

### Appliance is not running

- Pull on the lever of the trigger gun; the device will switch on.
- Check whether the voltage indicated on the type plate corresponds to the voltage of the mains supply.
- Check the mains connection cable for damages.

### Pressure does not build up in the appliance

- Appliance ventilation: Switch the appliance on with the high-pressure hose detached and operate (max. 2 minutes) until the water exits the high-pressure connection without bubbles. Switch off appliance and reconnect high-pressure hose.
- Check the water supply.
- Pull out the sieve in the water connection using flat-nose pliers and clean under running water.

### Strong pressure fluctuations

- Clean high-pressure nozzle: Remove dirt and debris from the nozzle bore, using a needle and rinse through with water from the front.
- Check water flow quantity.

### Appliance is leaking

- Slight leakage from the appliance pump is normal. If the leakage increases contact the authorized customer service.

### No detergent infeed

- Detach spray lance from the trigger gun. Work only with the trigger gun.
- Clean the detergent suction hose filter.
- Check the detergent suction hose for kinks.

### Spare parts

Use only original KÄRCHER spare parts. You will find a list of spare parts at the end of these operating instructions.

## Warranty

The warranty terms published by the relevant sales company are applicable in each country. We will repair potential failures of your appliance within the warranty period free of charge, provided that such failure is caused by faulty material or defects in manufacturing. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service centre. Please submit the proof of purchase. Addresses can be found under:

[www.kaercher.com/dealersearch](http://www.kaercher.com/dealersearch)

## Technical specifications

### Electrical connection

Voltage	220-240 V 1~50-60 Hz
Power consumption	6 A
Protection class	IP X5
Protective class	II 
Mains fuse (slow-blow)	10 A

### Water connection

Max. feed pressure	1,2 MPa
Max. feed temperature	40 °C
Min. feed volume	8 l/min

### Performance data

Working pressure	8 MPa
Max. permissible pressure	11 MPa
Water flow rate	5,2 l/min
Max. flow rate	6,0 l/min
Detergent flow rate	0,3 l/min
Recoil force of trigger gun	10 N

### Dimensions and weights

Length	280 mm
Width	176 mm
Height	443 mm
Weight, ready to operate with accessories	4,7 kg

### Values determined as per EN 60335-2-79

Hand-arm vibration value	<2,5 m/s <sup>2</sup>
Uncertainty K	0,3 m/s <sup>2</sup>
Sound pressure level L <sub>pA</sub>	75 dB(A)
Uncertainty K <sub>pA</sub>	3 dB(A)
Sound power level L <sub>WA</sub> + Uncertainty K <sub>WA</sub>	91 dB(A)

Subject to technical changes.

## EC Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval.

**Product:** High pressure cleaner  
**Type:** 1.673-xxx

### Relevant EU Directives

2006/42/EC (+2009/127/EC)  
2004/108/EC  
2000/14/EC  
2011/65/EU

### Applied harmonized standards

EN 50581  
EN 55014-1: 2006+A1: 2009+A2: 2011  
EN 55014-2: 1997+A1: 2001+A2: 2008  
EN 60335-1  
EN 60335-2-79  
EN 61000-3-2: 2006+A1: 2009+A2: 2009  
EN 61000-3-3: 2013  
EN 62233: 2008

### Applied conformity evaluation method

2000/14/EC: Appendix V

### Sound power level dB(A)

Measured: 89  
Guaranteed: 91

The undersigned act on behalf and under the power of attorney of the company management.

  
H. Jenner  
CEO

  
S. Reiser  
Head of Approbation

Authorised Documentation Representative  
S. Reiser

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