KÄRCHER

WPD 200 Basic

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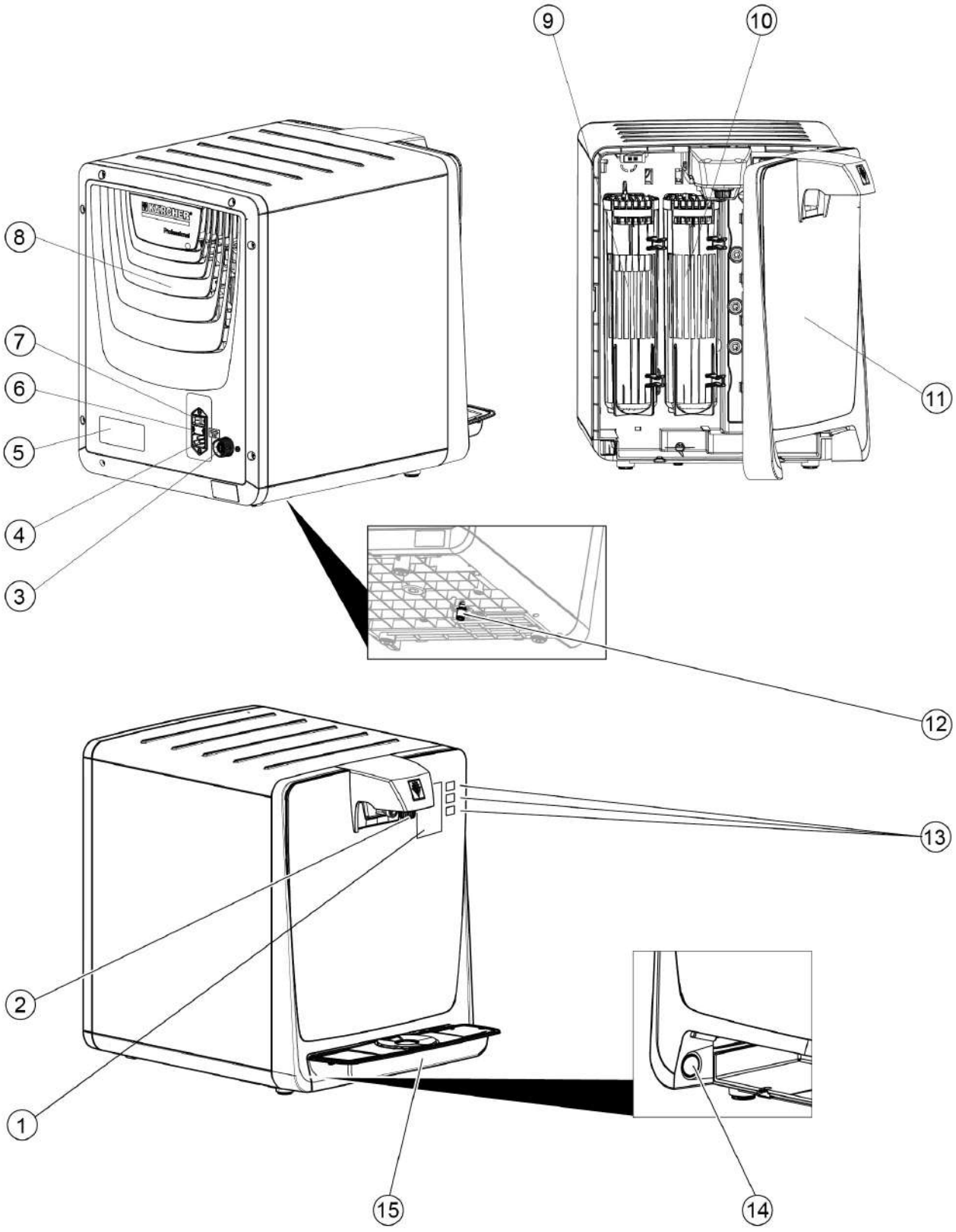

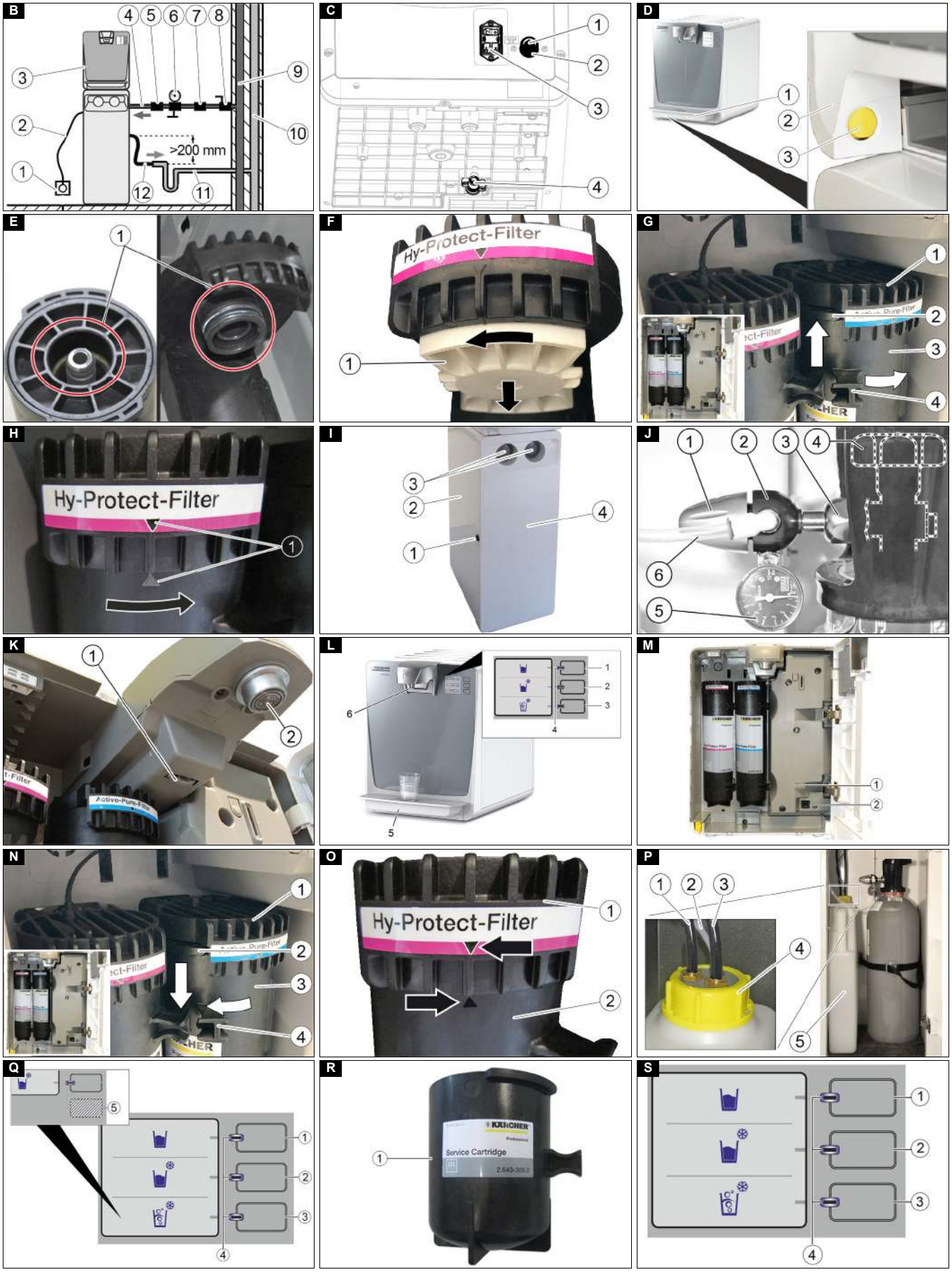
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General instructions

Read the original instructions before using the unit for the first time and act in accordance with it. Keep the original instructions for future reference or for future owners.

- Only drinking water from a public water supply can be used to guarantee the water quality of the emerging water. The quality must at least correspond to the guidelines of the World Health Organization (WHO).
- If intervention in the drinking water network is necessary in order to install the unit, this must be done by a trained specialist who is authorised to do this according to the laws and regulations valid for the location. When installing the device, the applicable national regulations for interventions in the drinking water network must be observed. The work must be commissioned by the customer if required.
- For protection against water damage caused by a burst water hose, we recommend installing a shut-off device and an aqua stop (optionally available) in the water supply line.
- Maintenance work in the interior of the unit may only be carried out by the operator of the unit who has read these operating instructions.
- When using a CO_2 bottle, the locally applicable rules for marking the installation room must be observed.
- Do not clean the unit with a water jet.
- Plastic surfaces must not be cleaned with alcohol-based, aggressive or abrasive detergents. The surface cleaner CA 30 R (6.295-686.0) is recommended.
- After initial start-up, filter changes and long downtime periods, dispensed unchilled water may temporarily be milky in appearance. This is due to small air bubbles in the water and does not affect water quality.

Safety instructions

Hazard levels

⚠ DANGER

● Indication of an imminent threat of danger that will lead to severe injuries or even death.

⚠ WARNING

● Indication of a potentially dangerous situation that may lead to severe injuries or even death.

⚠ CAUTION

● Indication of a potentially dangerous situation that may lead to minor injuries.

ATTENTION

● Indication of a potentially dangerous situation that may lead to damage to property.

Safety instructions

⚠ DANGER *● Risk of electric shock. Always pull out the mains plug before working on the device. The socket must be protected with a 30 mA fault current protection switch. ● Danger of death from bursting CO_2 cylinder. Place the CO_2 cylinder upright and secure it. Always connect the CO_2 cylinder with a pressure reducer with safety valve approved for the unit type. Protect the CO_2 cylinder from excessive heat and never expose it to direct sunlight. ● Danger of explosion. Never connect a CO_2bottle with a riser. For example, riser bottles are marked with a red warning sticker. ● Danger of suffocation due to escaping carbon dioxide. Ensure that the installation room is adequately ventilated or install a gas warning system. Observe the country-specific legal requirements regarding the prescribed minimum room size, warning systems and ventilation during the emptying of compressed gas tank. ● Risk of explosion. Do not store any potentially explosive objects such as spray cans with flammable propellants in the unit or the stand.*

⚠ WARNING *● When positioning the appliance, ensure the supply cord is not trapped or damaged. ● Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance. ● Risk of injury from bursting bottles. Carbonated water may only be filled into pressure-stable bottles (10 bar). ● Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction. ● Chemical cleaning must be carried out at least every 6 months (see "Care and service").**Note** ● Health risk due to increased germ concentration. After a warning from the drinking water supplier regarding microbiological contamination, chemical cleaning must be carried out at least once. Cleaning may need to be repeated. If in any doubt, contact the KÄRCHER Service.**WARNING** ● Possible health risk due to increased concentration of germs in the water after prolonged standstill. Therefore, carry out chemical cleaning after a longer period of inactivity. ● Health risk due to improperly repaired device. The device may only be repaired by trained specialist personnel.*

ATTENTION *● Damage to the device cooling unit. If the device has been stored or transported lying down, you must place the device in its normal position and then wait at least 24 hours before operating it.*

Symbols on the unit

⚠WARNING
Risk of fire due to refrigerant
Flammable refrigerant is used in this unit. If refrigerant escapes (damage to or defect in the cooling circuit), keep ignition sources away from the unit, ventilate the installation room and contact the service centre.

Intended use

⚠ WARNING
This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, unless they are supervised by a person who is responsible for their safety or have received instructions on how to use the unit from them and understand risks associated with using the unit. Cleaning and user maintenance may not be carried out by unsupervised children.

⚠ WARNING
Children must be supervised to prevent them from playing with the appliance.

- The unit is used to dispense both tempered and untempered water, with or without the addition of food-grade carbonic acid (CO_2), in self-service mode.
- Depending on the unit variant, the unit is equipped with different filters (Active-Pure filter or Hy-Protect filter).
- This unit is intended for use in domestic and similar applications, such as in staff kitchen areas in shops, offices and other work areas, in agriculture and by guests in hotels, motels and other accommodation, in catering and similar wholesale use.
- Do not set up or operate the unit in commercial kitchens.
- The unit must be set up in a frost-free room.
- Do not use or place the unit outdoors.
- Do not place, store or transport the unit horizontally.

Foreseeable misuse

Any type of improper use is prohibited.
The operating personnel are liable for damage resulting from incorrect use.

Function

From the water inlet, the water flows first through the filter (for a description of the filters, see Consumables). Depending on the button pressed, the water then flows through the cooling module, the CO_2-mixer (optional) or directly onward to the water dispenser.
If carbonated water is required (optional), carbon dioxide is also added to the water.
To ensure perfect hygiene, the entire water system must be chemically cleaned at regular intervals.

General instructions for handling CO_2 bottles

When replacing CO_2 bottles, the safety instructions of the gas supplier and any legal requirements must be observed.

- The CO_2 bottle must be equipped with the pressure reducer approved by KÄRCHER so that the carbonic acid content of the water can be adjusted.
- The carbon dioxide E 290 must comply with the purity requirements of Directive 96/77/EC (food quality) and be labelled in accordance with Article 7 of Directive 89/107/EEC.
- Before using a gas bottle, make sure that the correct type of gas has been provided. Reliable information about the type of gas is provided solely by the hazardous goods label that must be present on every gas bottle. The colour of the gas bottle does not always give clear information about the type of gas. A gas bottle of which there is any doubt about the contents or which is conspicuous in any other way (damage, exposure to fire, traces of mechanical processing) must not be used.
- The country-specific regulations must be observed.

⚠ ***DANGER***
Risk of explosion
Never connect a CO_2bottle with a riser. For example, riser bottles are marked with a red warning sticker.

⚠ ***WARNING***
Danger of death from a possibly bursting CO_2gas container
Place the pressure tank vertically and fasten it.
Never open the compressed gas tank without a pressure reducer and without a safety valve. The pressure reducer with safety valve must be approved for the type of device.

⚠ ***DANGER***
Danger of suffocation due to escaping carbon dioxide
Ensure sufficient ventilation of the installation room or install a gas warning system.
Do not expose the CO_2 bottle to direct sunlight.
Protect the CO_2 bottle from excessive heat.
Apply a visible marking indicating the possible presence of gaseous carbon dioxide.

Environmental protection


The packing materials can be recycled. Please dispose of packaging in accordance with the environmental regulations.


Electrical and electronic devices contain valuable, recyclable materials and often components such as batteries, rechargeable batteries or oil, which - if handled or disposed of incorrectly - can pose a potential danger to human health and the environment. However, these components are required for the correct operation of the device. Devices marked by this symbol are not allowed to be disposed of together with the household rubbish.
R-290 Contains greenhouse gas R290 - hermetically sealed device

Notes on the content materials (REACH)
Current information on content materials can be found at: *www.kaercher.de/REACH*

Scope of delivery

Check the carton contents for completeness when unpacking the unit.
Also check that the supplied attachment kits are complete. If any accessories are missing or in the event of any shipping damage, please notify your dealer.

Accessories and spare parts

Only use original accessories and original spare parts. They ensure that the appliance will run fault-free and safely.
Information on accessories and spare parts can be found at *www.kaercher.com*.

Consumables

Device parts

Description	Order no.
Active Pure filter Removes negative flavours or odours (e.g. chlorine), retains heavy metals, microplastics and impurities from the supply system.	2.643-773.0
Hy-Protect filter Retains viruses, bacteria and microplastics.	2.643-306.0
O-ring 11.91 x 2.62 KTW Seal of the pressure reducer 4.640-588.0 on the cylinder screw connection.	6.640-731.0

Accessories for chemical cleaning

Description	Order no.
Bevi Tabs alkaline Chemical detergent for the interior cleaning of the WPD every six months. Contents: 10 tablets.	5.295-891.0
Service Cartridge Special auxiliary tool for carrying out chemical cleaning of the WPD.	2.643-308.0

Detergent for exterior cleaning of device

Description	Order no.
CA 30 R Ready-to-use surface cleaner, 0.5 l bottle	6.295-686.0
Spray head for surface cleaner When ordering CA 30 R for the first time, this reusable spray head for the spray bottle is required.	6.295-723.0
Disinfectant RM 735 (20 ml concentrate)	6.295-476.0 6.296-143.0
Empty bottle with spray head for preparing RM 735	6.296-148.0

Device description

For the figures, please refer to the graphics page
Illustration A

(1) Display
(2) Water outlet
(3) Water connection
(4) Power supply
(5) Type plate
(6) Fuse holder cover with 10 A fuse
(7) Power switch
(8) Ventilation openings
(9) Hy-Protect filter
(10) Active Pure filter
(11) Device door
(12) Drip tray drain
(13) Button
(14) Unlocking button
(15) Drip tray

Installation

Prerequisites

The following utilities are required to operate the device:

- Mains socket for connection to the mains.
- Water tap with 3/8" or 3/4" external thread for connection to the water supply.

Attaching the attachment kits

1. Attach the attachment kits ordered for the device to the device.

Note
The installation for each attachment kit is described in separate installation instructions enclosed with the attachment kit

Connecting the device

⚠ ***DANGER***
Danger from electric shock.
Do not remove the side parts, the cover or the circuit board cover of the device. These components may only be removed by a qualified electrician.
During initial installation and any repairs that involve the replacement of accessory parts, make sure only parts approved by KÄRCHER (filter, mains cable, connection kit, CO2-pressure regulator (Depending on the equipment)) are used. These components have been tested and certified to ensure compliance with KÄRCHER Quality Standards. No other components may be used.

- The power connection and water input pressure must correspond to the values in the technical data (see chapter “Technical data”).
- Depending on local regulations, an approved backflow preventer must be installed.
- For devices with drip tray drainage into the building's waste water pipe, a siphon must be provided to protect against odours from the waste water pipe.
  The siphon must be positioned lower than the drip tray.
  The drip tray drain only functions reliably when the waste water hose slopes continuously downward.
- Set up the device on a level surface.
- Mains plug and socket must always be freely accessible.
- The power switch, the fuse and the water connection (rear of the device) must be freely accessible.
  The minimum distance to the wall is 100 mm.
- In the interest of reducing power consumption, the power supply can be switched off when the device is not in use (e.g. using a timer clock).
- Do not use used hose lines.

Using the device with a stand:

- To ensure a high level of stability of the device in accordance with the guidelines of the device standard, a device with a base must be fixed to the floor or wall (floor attachment kit WPD).
- Alternatively, the WPD additional weight stand attachment kit can be used to lower the centre of gravity of the device accordingly.

Connection diagram:
Illustration B

(1) Socket (fused with 30 mA error-current circuit breaker)
(2) Mains cable
(3) Water dispenser WPD
(4) Water supply hose (connection kit)
(5) External backflow preventer (optional)
(6) External pressure reducer with pressure gauge (only necessary with water inlet pressure above 6 bar (0.6 MPa))
(7) Aqua stop (optional)
(8) Water tap of the building installation
(9) Drinking water line of the building installation, external thread 3/8” or 3/4”.
(10) Waste water pipe
(11) Siphon of the building installation
(12) Drain for drip tray

Connections:
Illustration C

(1) Inlet sieve
(2) Water connection (connection thread 3/4")
(3) Power supply
(4) Drip tray drain (optional)

Connection as table-top device

1. Attach the table-top device attachment kit according to the enclosed installation instructions.

Note
If the drip tray is to be fitted with a drain, fit the drip tray drain attachment kit and carry out the following installation steps:
2. Lay a hose from the drip tray drain to the siphon.
3. If no waste water drain is possible, use the WPD can attachment kit.

Note
If a drip tray drain is to be fitted, the drip tray drain adapter attachment kit must also be fitted.

Connection with stand

1. Use the stand attachment kit, possibly also the cup dispenser attachment kit and the additional cooler attachment kit. Attach the attachment kits according to the enclosed installation instructions.

Note
If the drip tray is to be fitted with a drain, fit the drip tray drain attachment kit and carry out the following installation steps:
2. Attach an angle piece to the drip tray drain.
3. Lay a hose through the stand from the angle piece to the siphon.

4. If no waste water drain is possible, use the WPD can attachment kit.

Note
If a drip tray drain is to be fitted, the drip tray drain adapter attachment kit must also be fitted.

Connecting the supply connections

1. Connect the water supply hose to the rear of unit.
2. Connect the water supply hose to the tap of the building installation (if necessary, connect additional components).
3. Connect the mains cable to the power supply on the rear of the unit.
4. Connect the CO_2 connection hose (optional) to the CO_2 connection.

Initial start-up

Opening the device door

1. Pull out the drip tray.
   Illustration D

(1) Drip tray

(2) Device door

(3) Unlocking button

2. Press the unlocking button and open the device door.

Inserting the filter

1. Pull out the drip tray.
2. Open the device door.

⚠ ***WARNING***
Health risk
Germs introduced into the device can contaminate the water.
Pay special attention to hygiene and cleanliness when replacing the filter cartridges.
Do not touch the connections and holders of the filters.
Wear sterile disposable gloves when changing filters.
Do not mix up the filters, observe the colour markings.

3. Do not touch the marked areas.
   Illustration E

(1) Areas that must not be touched.

4. Turn the cap to the left and pull it off downwards.
   Illustration F

(1) Cap

5. Turn the filter so that the handle is on the left side and insert it from below into the corresponding holder.
   Illustration G

(1) Support

(2) Tab

(3) Filter

(4) Handle

6. Turn the filter to the right as far as it will go.
7. Check the installation position: The markings on the label of the holder and on the filter must be aligned.
   Illustration H

(1) Marking

8. Close the device door.
9. Insert the drip tray.

Starting up the device

Note
Connect the CO_2 cylinder before the initial start-up. Without a CO_2 cylinder connected, the dispensing of sparkling water is blocked and rinsing is not possible
See chapter "Connecting a new CO_2 cylinder".

1. Plug the mains plug into the socket.
2. Set the power switch to "I".
3. Opening the water inlet

Note
In the first minute after switch-on, the CO_2 mixer is automatically filled with water.

4. Rinsing the filter
   a Press the button for unchilled water (rinsing time 10 minutes / approx. 20 litres).
   b Press the button for chilled water (rinsing time 4 minutes / approx. 8 litres).
   c For devices with CO_2 function, press the button for carbonated water (rinsing time 4 minutes / approx. 8 litres).

Note
The maximum output duration of the individual functions is limited in time. The button must therefore be pressed several times to maintain the required rinsing time.
The device is operable after rinsing.
It is then recommended to carry out a chemical cleaning (see "Care and service").

Handling the CO_2bottle

Note
Please also note the general information on handling CO_2bottles, see chapter General instructions for handling CO_2 bottles.
When connecting a new, or removing an old CO_2bottle, follow the steps below.

Opening the door of the stand

The door of the stand is lockable.

1. Unlock the door lock.
   Illustration I

(1) Door lock

(2) Stand

(3) Cup dispenser (conversion kit)

(4) Door of stand

2. Open the door of the stand.

Request to change the CO_2 cylinder

If the button for carbonated water is inactive and the LED for carbonated water flashes, either no CO_2 cylinder is connected or the CO_2 cylinder is empty and needs to be replaced.

1. Open the door of the stand.
2. Connect the gas cylinder to the main valve.
3. Turn the pressure regulator to "0".
   Illustration J

(1) Rotary control

(2) Pressure reducer

(3) Union nut

(4) Main valve

(5) Pressure gauge control pressure

(6) CO_2 hose

Note
If the pressure reducer is separated from the CO_2bottle when sufficient pressure is still present, the O-ring between the bottle and the pressure reducer will be deformed and must be replaced.

4. Unscrew the pressure reducer from the empty gas cylinder.
5. Screw the protective cover onto the empty gas cylinder.
6. Release the tensioning strap to secure the empty gas cylinder.
7. Remove the empty gas cylinder.

Connecting a new CO_2cylinder

1. Insert the new gas cylinder into the stand.
2. Secure the gas cylinder with the lashing strap.
3. Unscrew the protective cover of the new gas cylinder.
4. Briefly open the main valve on the gas cylinder to allow any liquid CO_2 to escape.
   Illustration J

(1) Rotary control

(2) Pressure reducer

(3) Union nut

(4) Main valve

(5) Pressure gauge control pressure

(6) CO_2 hose

5. Screw the pressure reducer onto the new gas cylinder.
   Note: Ensure that the sealing ring is installed properly.
6. Slowly open the main valve.
7. Set 3 bar using the rotary control on the pressure reducer.
8. Close the main valve.
9. Read off the displayed value on the control pressure gauge.
10. The displayed value must remain constant for at least 5 minutes. In case of recognisable pressure drop:
    a Check whether the O-ring between the gas cylinder and pressure reducer is present and undamaged.
    b Replace a defective O-ring.
    c Check that the pressure reducer is seated correctly.
    d Tighten the union nut firmly.
    e Check the hose coupling on the CO_2 hose and on the pressure reducer for visible damage. If in doubt, call customer service.
    f If the pressure drop cannot be stopped by the above measures, the pressure reducer is defective and must be replaced.
11. Open the main valve.
12. Adjust the operating pressure on the pressure reducer using the rotary control.
    a First set the pressure regulator to approx. 3 bar (static).
    b Place a container under the water dispensing opening.
    c Dispense 1 litre of carbonated water to refill the CO_2 mixer
    d Observe whether the pressure remains at 3...3.5 bar during dispensing.
13. Readjust the pressure if necessary.
14. If the water stream contains too little carbonic acid or starts to splash prematurely, check the setting of the compensation regulator (see Adjusting the compensation regulator)
15. Close the door of the stand.

Setting the compensation regulator

The compensation regulator is used to finely regulate the delivery of carbonated water.

1. Place a measuring cup with a volume of more than 1 litre under the water dispenser.
2. Dispense 1 litre of carbonated water and observe the behaviour of the water stream.

Note
If the water delivery is reduced towards the end of extraction and the water stream is interrupted by gas leakage, the compensation regulator must be reset.

3. Open the device door.
   The adjusting wheel of the compensation regulator is located behind the water outlet.
   Illustration K

(1) Compensation regulator adjusting wheel

(2) Water outlet

Note
The adjustment is very fine. Move the adjusting wheel to the home position and then adjust in small steps.

- Home position approx. 2.5 turns.
- The total adjustment range is 4 revolutions.

4. Turn the compensation regulator clockwise.
5. Take another 1 litre of carbonated water and observe the water stream.
6. Repeat the process until the water stream has a perfect stream pattern.
7. Remove 300 ml of carbonated water.
8. Wait 10 seconds.
9. Remove 300 ml of carbonated water again.
10. Repeat the procedure 5 times.
11. If the carbon dioxide content remains constant, the regulator is set correctly.

Note
If the carbon dioxide content decreases with each dispensing, turn the adjusting wheel anti-clockwise and repeat the process until the dispensing is always the same.

Operation

Control elements and display elements

Illustration L

(1) Button for unchilled water

(2) Button for chilled water

(3) Button for carbonated water or dummy button (depending on equipment)

(4) Blue and red LEDs

(5) Drip tray

(6) Water outlet

Note
The sensor buttons are activated by a light touch.
Illustration M

(1) RESET button

(2) Service interface

Illustration I

(1) Door lock

(2) Stand (option)

(3) Cup dispenser (conversion kit)

(4) Door