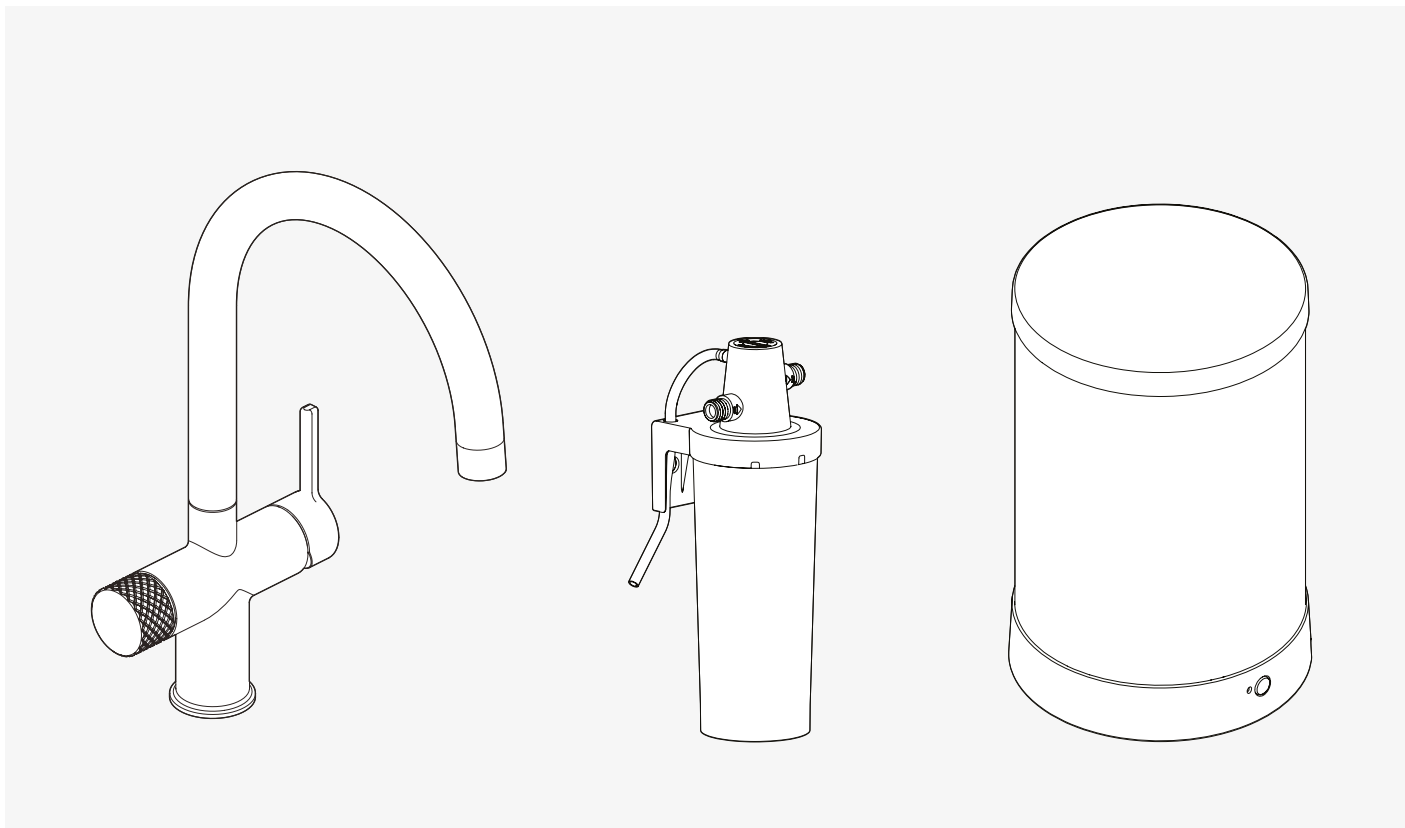


Maris Water Hub



EN Installation and user manual

3-in-1 mechanical boiling water system



Support and Warranty page



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About this manual

This manual contains important information on the safe and proper installation and commissioning of the product.

FRANKE reserves the right to make modifications to the product without prior notice. All information correct at time of issuance.


- Carefully read the user manual before using the device.


- Keep the user manual.
- Use the device described in this user manual only according to the intended use.

Symbol	Meaning
	Warning symbol. Warning against risks of injury.
	Action step. Specifies an action to be done.


Safety information


General


 Install the product as described in this manual and in accordance with the applicable installation, safety and local water supply regulations!


 Do not use the product for purposes other than those for which it is intended as described in this manual.

 The product must not be modified.


 This tap may be operated by children above the age of 12 and by persons with reduced physical, sensory or mental capacities, or who lack the necessary experience or knowledge, only under supervision or after being instructed in the safe use of the product and when they are aware of the hazards that may arise from the use of the product and/or system.


 Cleaning and maintenance by the user must not be performed by children or by persons with reduced physical, sensory or mental capacities, or who lack the necessary experience or knowledge, without supervision.


 Prevent children from playing with the product and/or system.


 This product and or system is intended for use in domestic and similar environments, such as:


- Staff kitchens in stores, offices and other working environments;
- By guests in hotels, motels and other similar residential environments;
- Bed and breakfast accommodation and other similar residential environments.


 Use in other environments in consultation with the manufacturer of the product and/or system.


 If the power lead with plug is damaged, it must be replaced by the manufacturer, the manufacturer's customer service or a qualified person in order to avoid electric shock.


 If necessary, lubricate O-rings only with silicone grease.


 In order to avoid freezing, the product may only be installed in frost-free rooms.


 Safety instructions must be observed in order to avoid physical injury and/or damage to the product and/or system.

 Maintenance instructions must be observed in order to avoid damage and excessive wear.


 As a result of the ongoing improvement of our products and/or systems, illustrations in this document may differ from the appliance as delivered.


 If available, you can download the latest version of the manual via our website: www.franke.com


 Franke cannot be held responsible for costs, damage or personal injury if the product is not operated in accordance with the instructions given in this manual.

 Tap and boiler model may differ from the model illustrated in the manual.


Tap


 Avoid burns and scalding and pay attention when using hot water. The temperature of the hot water may be higher than 55°C.


 Avoid burns and scalding and pay attention when using boiling water. The temperature of the water may be higher than 100°C.


 Tiled and stone sinks will not withstand boiling water; the difference in temperature can cause these to crack. Always open the cold water tap when pouring out boiling water and preferably pour the boiling water directly into the drain.


Boiler

 Before commissioning, ensure that the boiler is filled with water.


 Never pick up or carry the boiler with the hoses or the mains lead.


 The appliance must be connected always with the cold water supply.


 Before installation of the boiler make sure the pressure relieve valve outlet is 8 cm above the connection of the waste pipe.


 The drain hose must be connected with a continuous downwards gradient and a siphon must be made, therefore please note you may need to cut the drain hose.


Filter cartridge

 The use of a Franke filter is mandatory to protect the product against lime scale deposits. It is mandatory to change the filter based on the water hardness table.

 After storage at a temperature of 0°C, the filter must first be stored for 24 hours at room temperature before it is installed.

 The filter cartridge must not be opened or damaged.

 The filter cartridge and the system must be intensively flushed after a prolonged standstill period and/or during maintenance work (2 liters of flushing water after 1 week standstill; 10 liters of flushing water after 4 weeks' standstill).


 The filter cartridge must be replaced if, after commissioning, it has not been in operation for 3 months.

Warranty

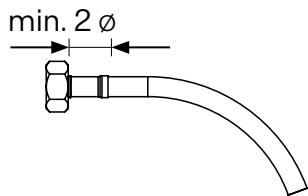
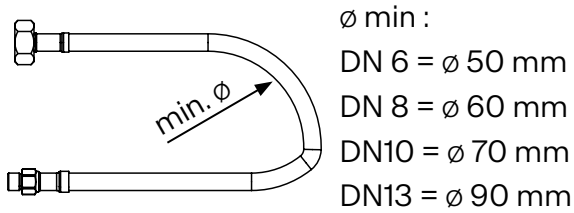
Scan the QR code to reach the Warranty guidelines:



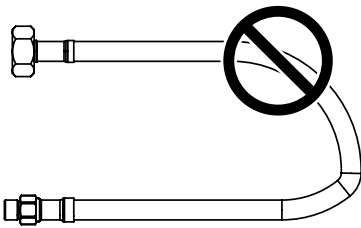
Installation instructions

 **Never** use serrated tools in order to avoid damage. Where necessary, always use the appropriate tools for tightening the coupling.

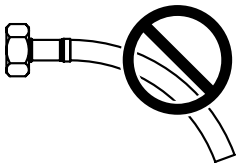
- Minimum bending radius after installation



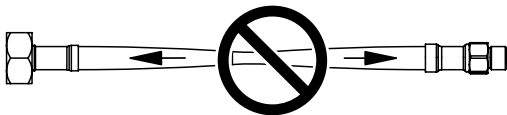
- Without bends after installation



- Without bend immediately after connection



- Without tension after installation



- Without torsion after installation



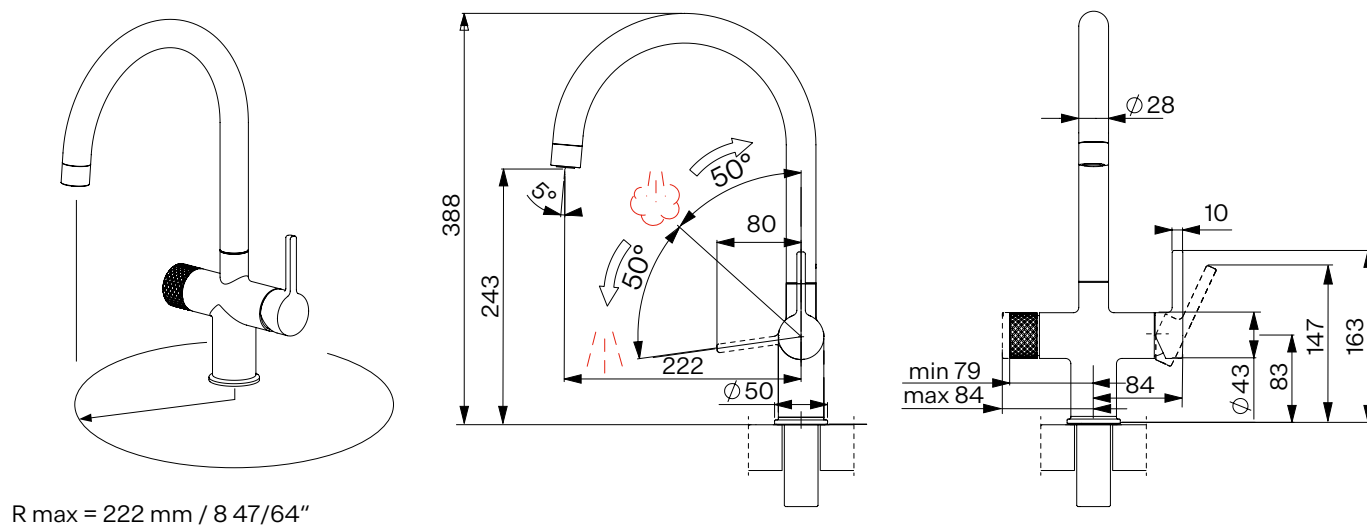
Product information

System

Water supply pressure (min.)	100 kPa/14.5 psi/1 bar
Water supply pressure (max.)	500 kPa/72.5 psi/5 bar
Flow rate boiling water	2 - 4 l/min * 2.5 bar
Flow rate cold water	5 - 9 l/min *
Flow rate hot water	5 - 9 l/min *

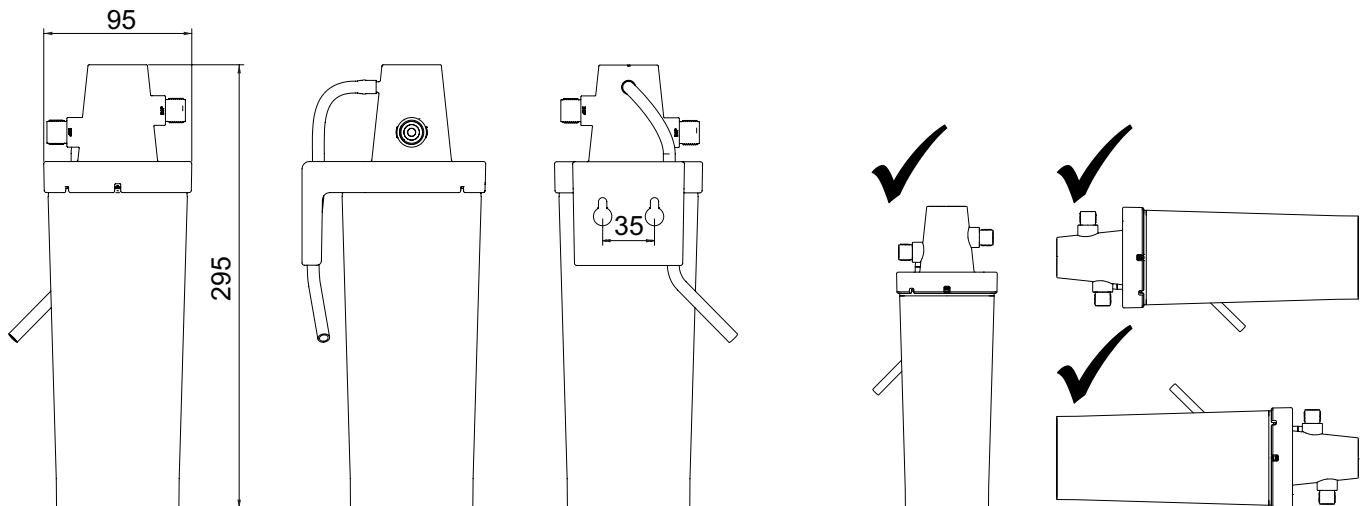
* The flow rate varies, depending on the water supply pressure and the type of tap.

Active boiling mechanical



Active boiling mechanical J-spout

Filter



Filter type	Franke Pro M
Diameter	95 mm
Height incl. Filter head	295 mm
Filter head	Bayonet / Separate part

Filter flushing

After 1 week stagnation	2 Litres
After 2 weeks stagnation	10 Litres
After 8 weeks stagnation	The filter must be replaced.

Water hardness

Filter lifetime

<10°dH	12 months
10-15°dH	10 months
15-20°dH	8 months
>20°dH	6 months

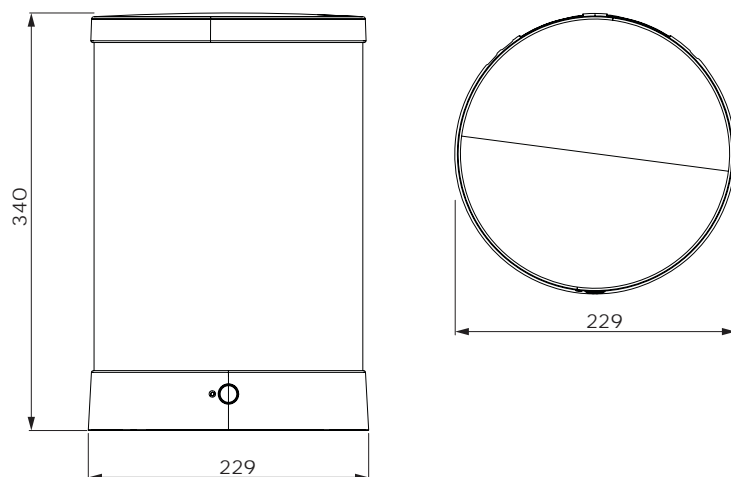
Filter disposal residual waste

Decarbonization	Yes
Odors	Yes
Chlorine	Yes
Particle	Yes
Microplastics	Yes



The use of a Franke filter is mandatory to protect the product against lime scale deposits. It is mandatory to change the filter based on the water hardness table. Failure to replace your filter will invalidate your warranty.

Boiler



Boiler	4 liters
Dimensions [H x W]	340 x 229 mm
Net weight	4.5 kg
Contents	4 l
Voltage	230 VAC
Power	2100 W (+5%/-10%)
Load	9.2 A
Standby mode max.	14 W
IP classification	IPX4
Storage temperature	<105°C
Heating time [ΔT 100 K]	15 min
Operating pressure (max.)	800 kPa / 116 psi / 8 bar
Operating temperature:	0-40°C
Power supply EU:	Type E+F CEE 7/7 Schuko
Power supply UK:	Type G/ BS 1363 British 3 Pins
Declared load profile and typical usage	XXS
Water heating energy efficiency class	A
Water heating energy efficiency	35.15 %
Annual electricity consumption	523 kWh
Thermostat temperature setting	103°C

Water quality requirements

pH value	7 - 9.5
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Warning: Only vertical installation of the boiler is possible (on/off knob on the bottom).

Icon legend

	Product information		Warning Sign / Caution / Hazard
	Scope of Delivery		Inspect
	Montage		Determine position
	Tooling Equipment		Open
	Do not use tools		Close
	Measure		Discard
	Drill		Cold water
	Screw		Warm water
	Spanner		Boiling water
	Cut		Do not / Forbidden result
	Tighten finger-tight		Do, OK! / Result
	Check push fitting		URL / Video link

Installation

General starting points for installation

Perform the following steps before starting installation.

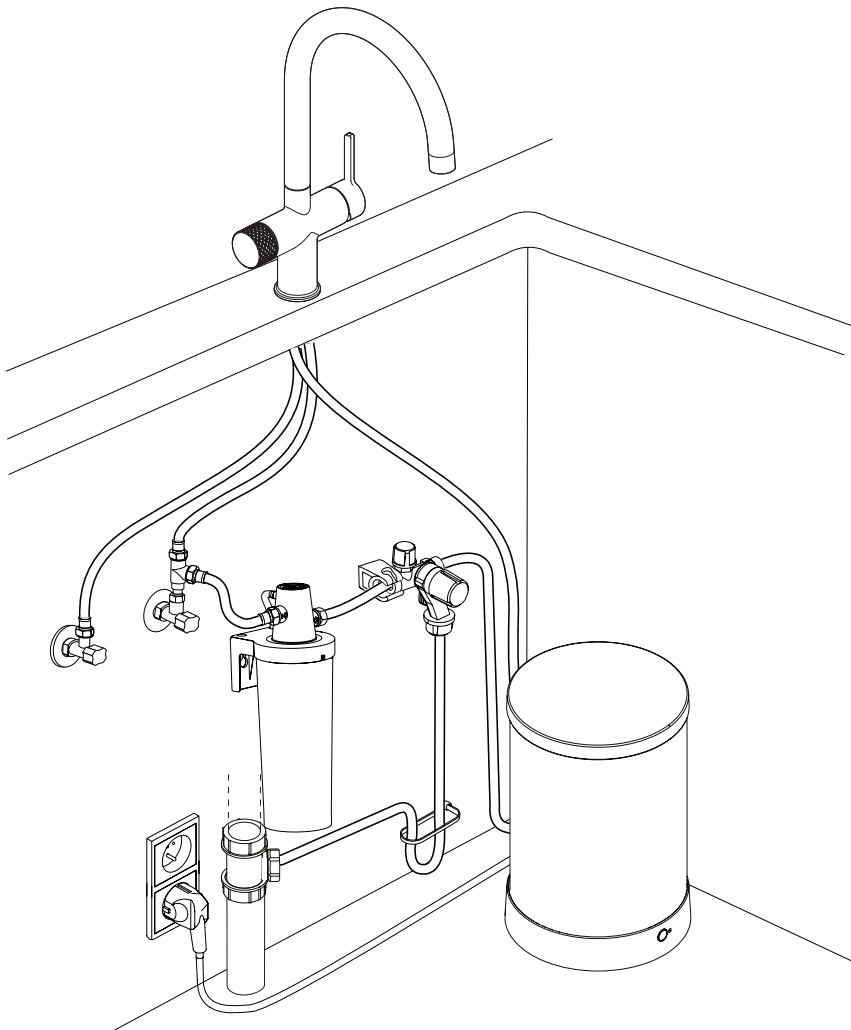
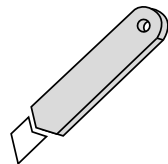
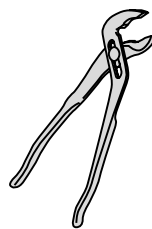
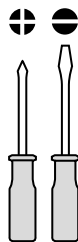
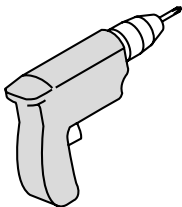
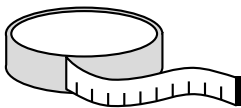
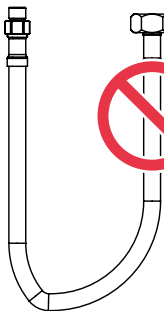
1. Stop valves must already be installed.
2. If the water pressure is above the 5 bar, use a pressure reducing valve (3 bar).
3. Close the stop valves.
4. In existing installations, remove the tap, hoses and boiler if still in place.
5. Mark the existing cold and hot water connection.

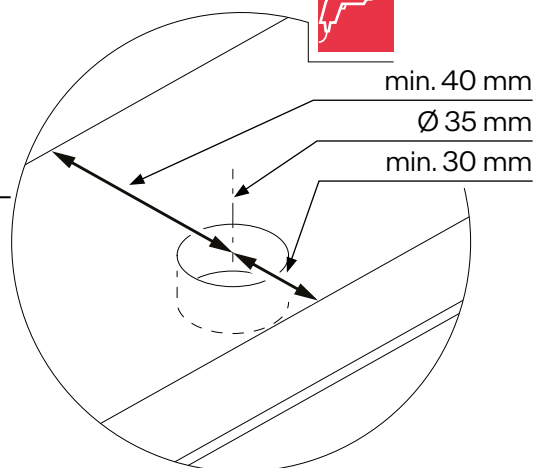
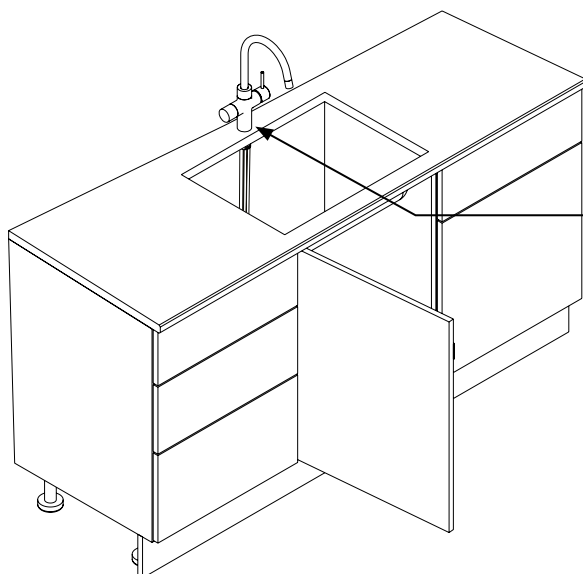


Warning: Install the pressure relief valve as high as possible in the kitchen cabinet.

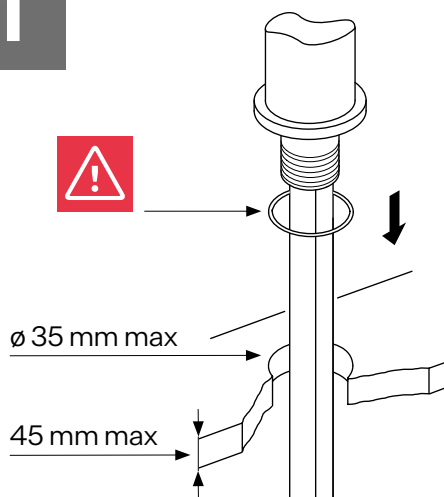
Installation steps

1. Installing 3-in-1 tap (see page 14)
2. Installing filter (see page 15)
3. Installing pressure relieve valve (see page 16)
4. Connecting drain hose (see pages 16 and 17)
5. Installing boiler (see page 17)
6. Connecting 3-in-1 tap (see page 17)
7. Flushing boiler (see page 18)
8. Activating boiler (see page 18)
9. Installing with WWS (see pages 19, 20 and 21)
10. Installing with Bypass (see pages 22, 23 and 24)
11. Commissioning (see page 28)

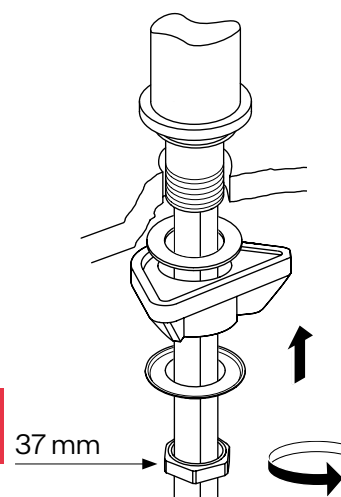




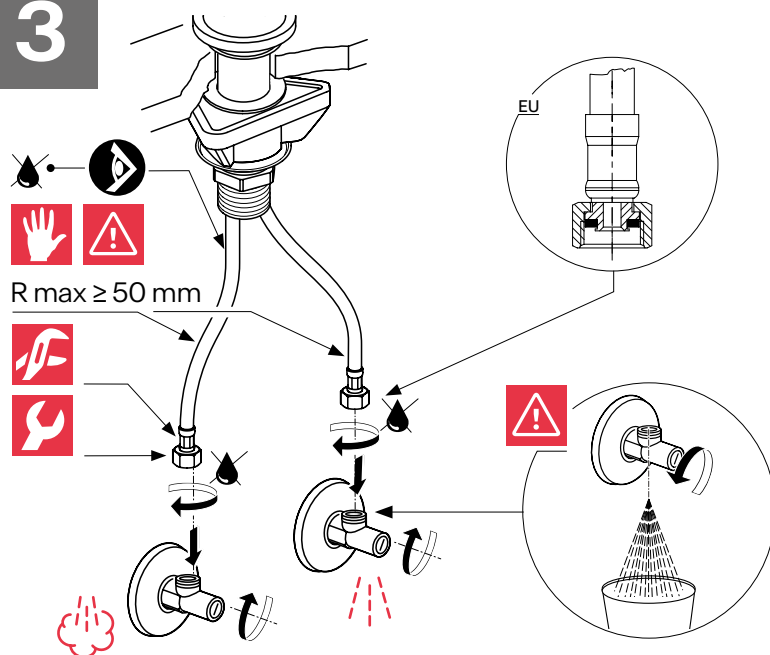
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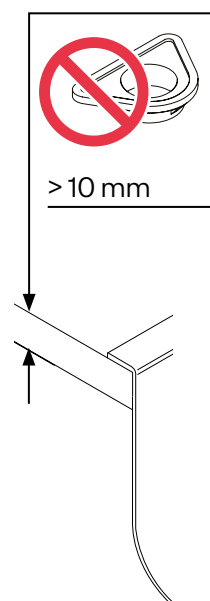
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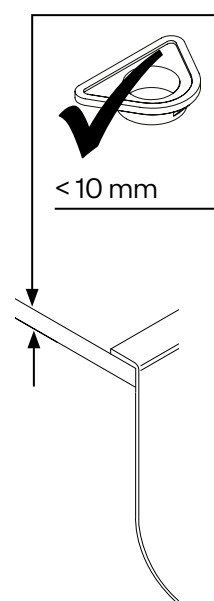
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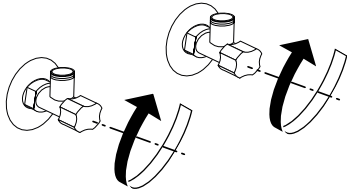
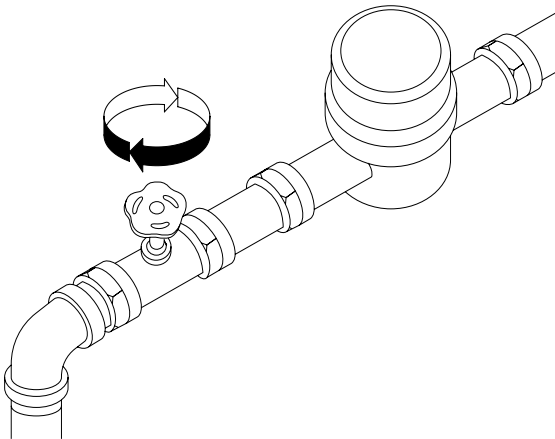


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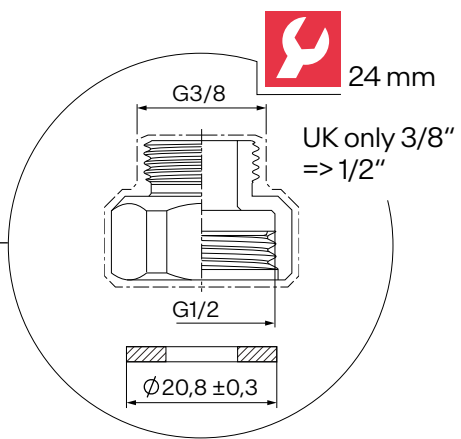
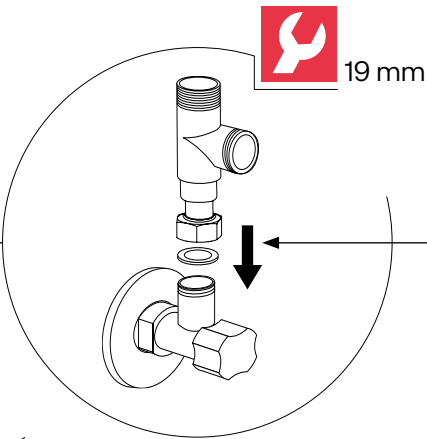
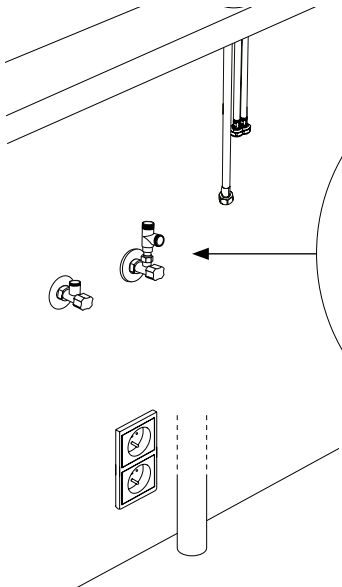


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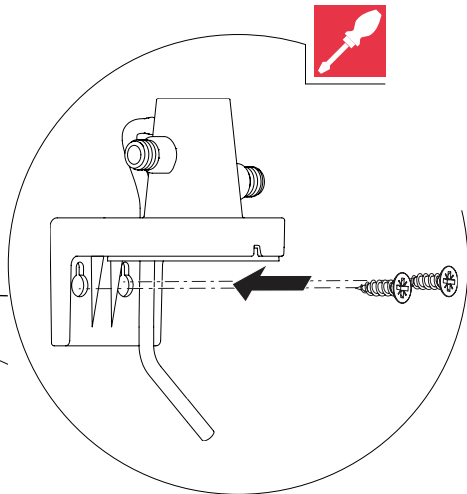
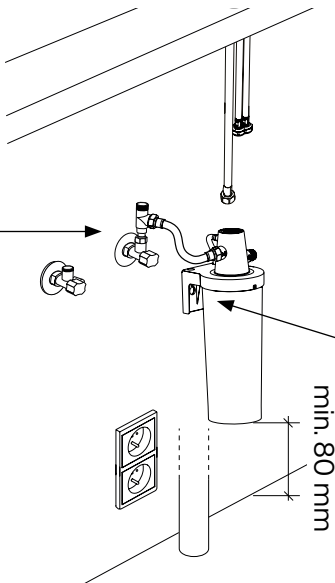
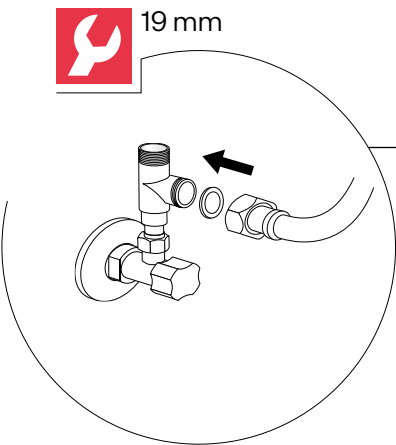




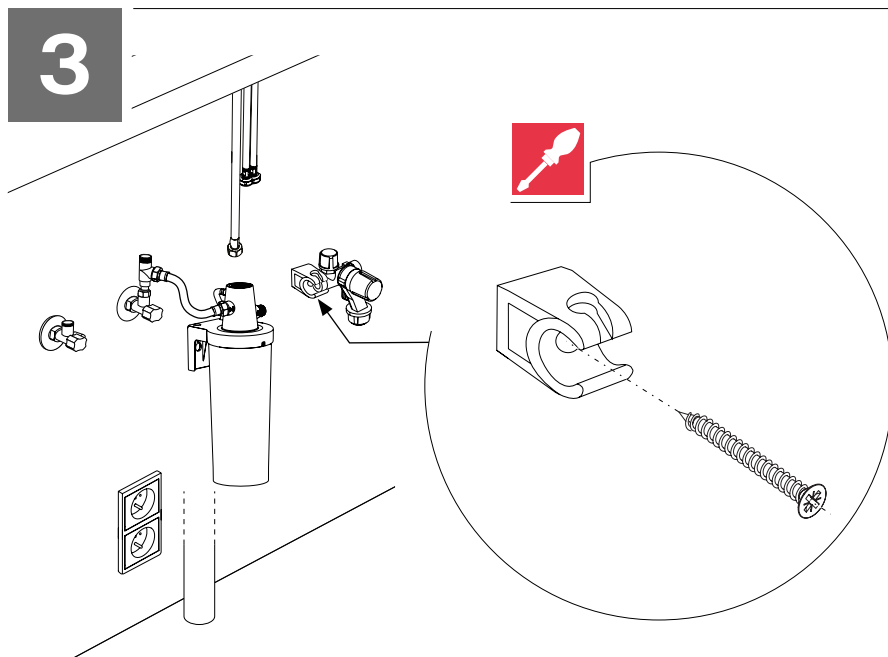
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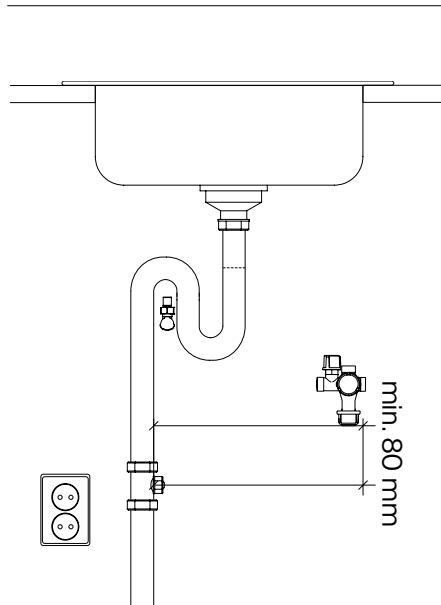
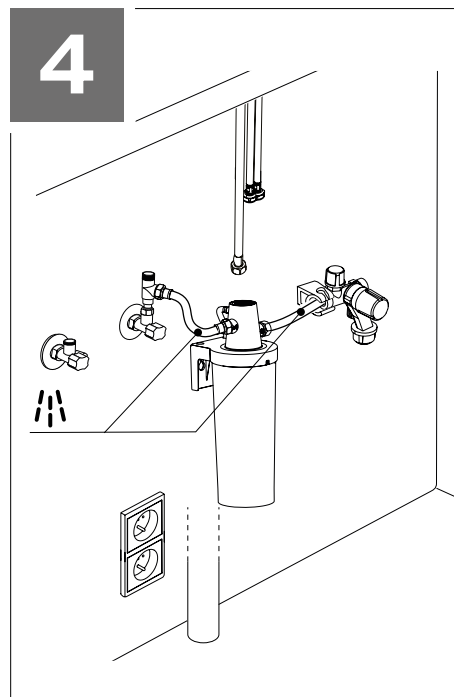
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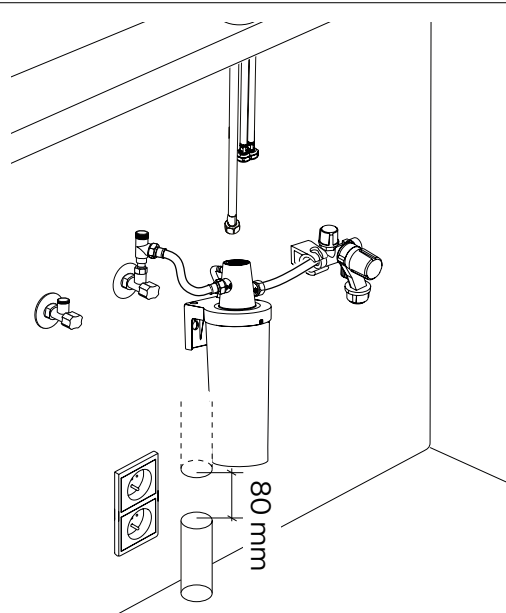
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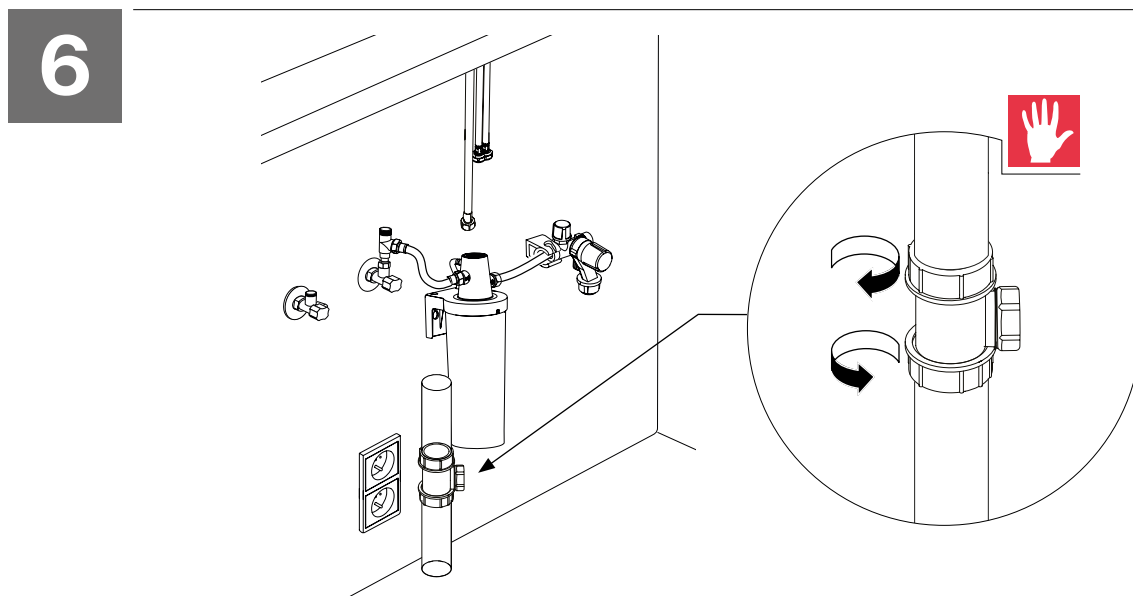
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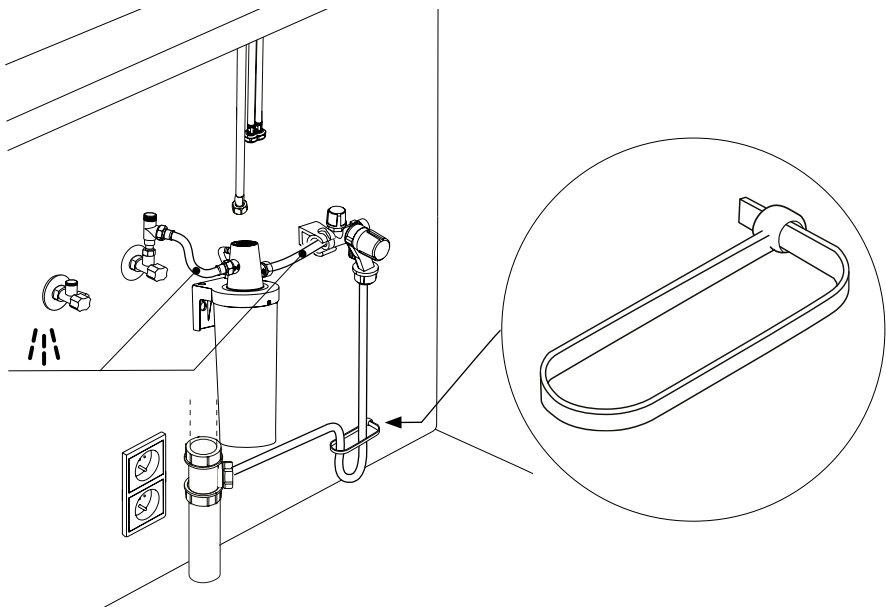
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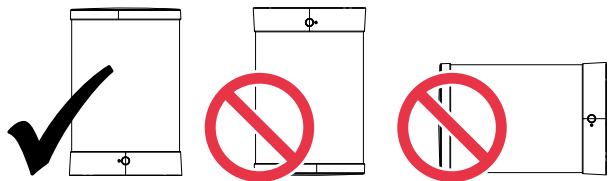
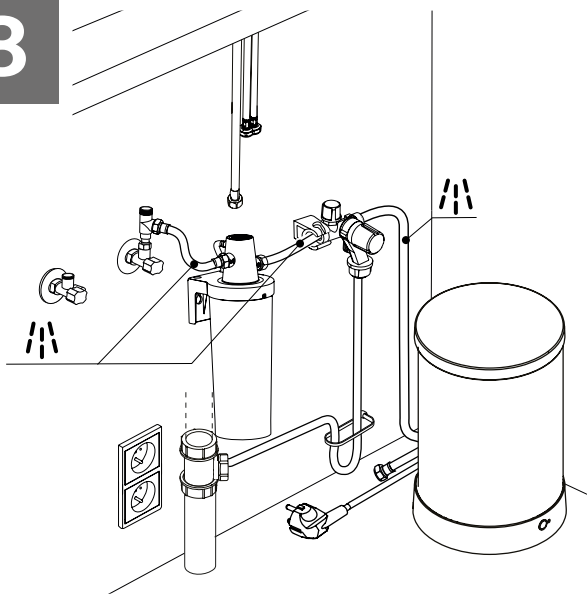
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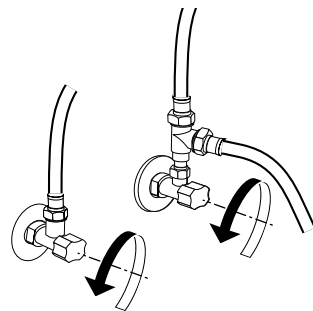
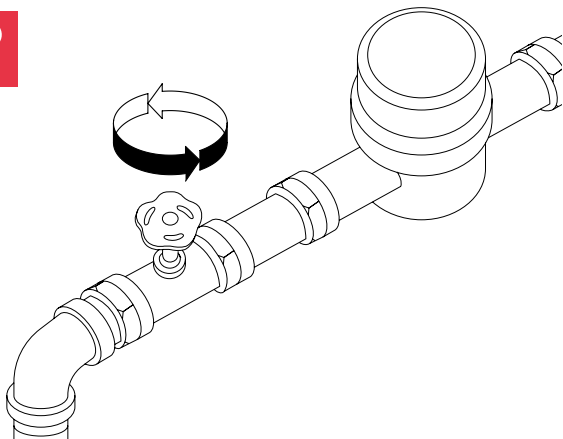
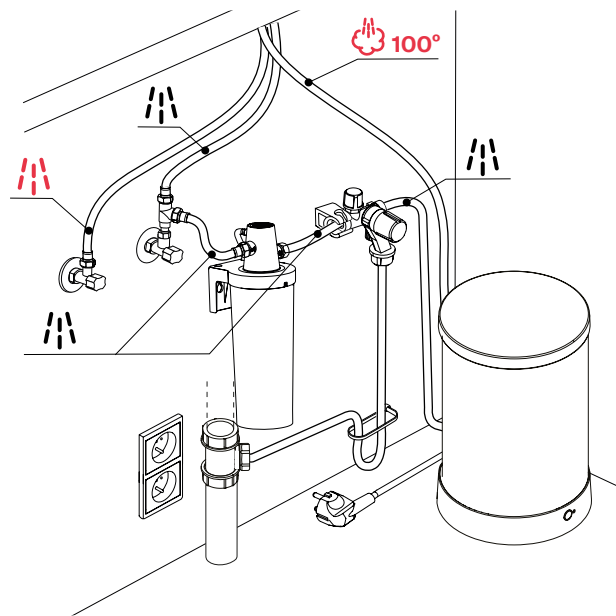
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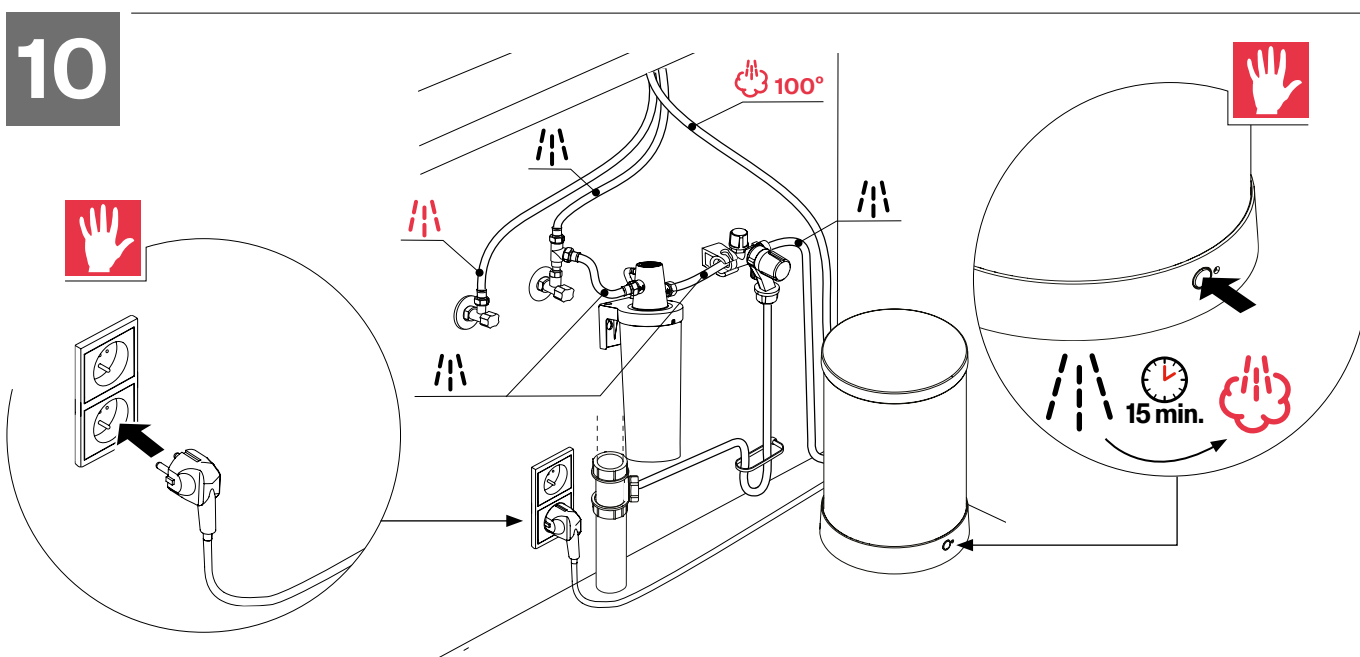
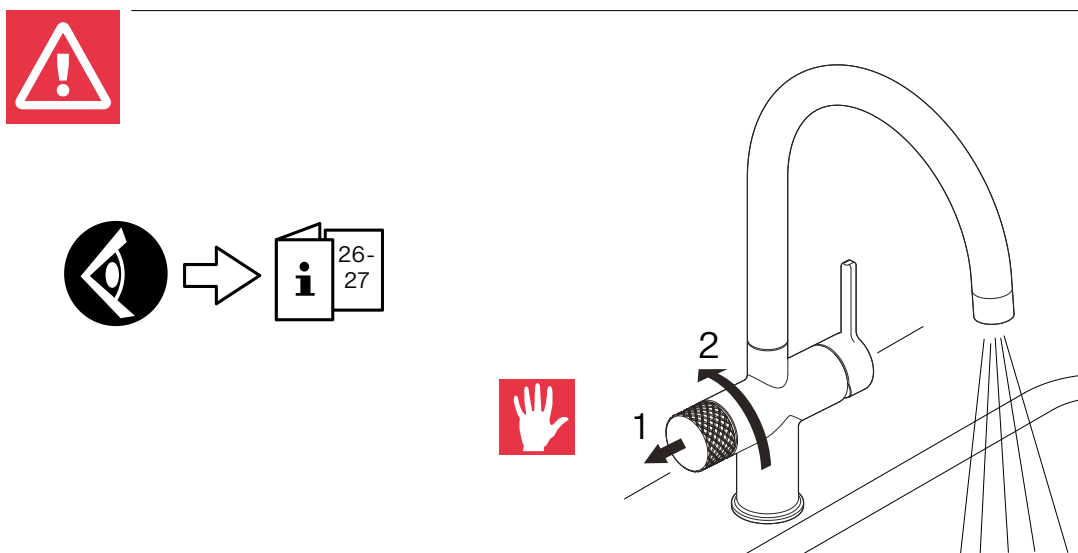
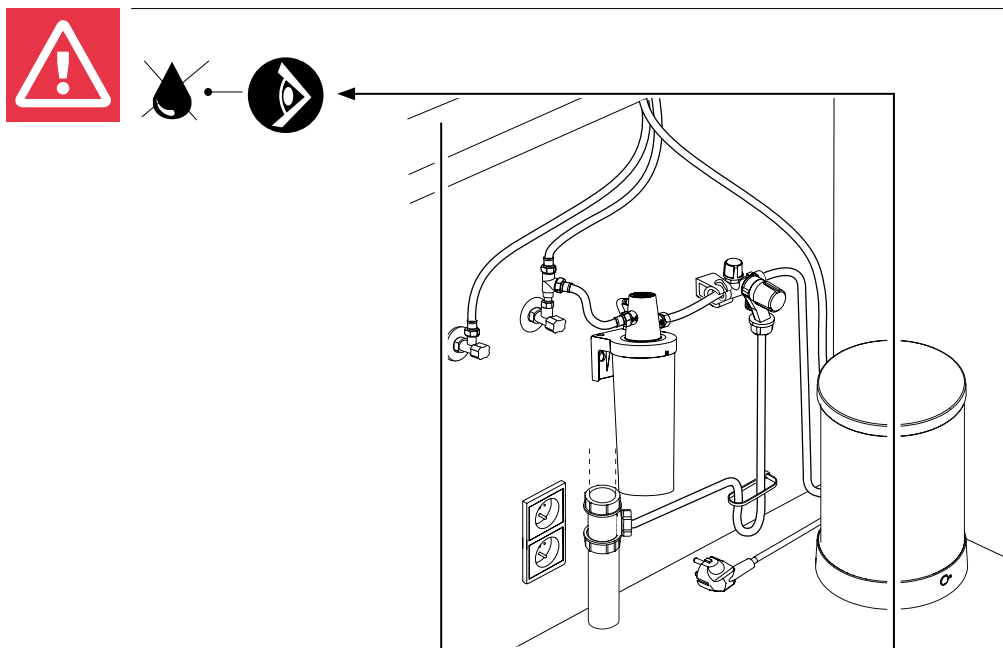


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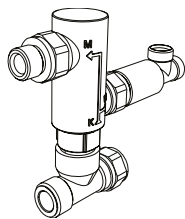
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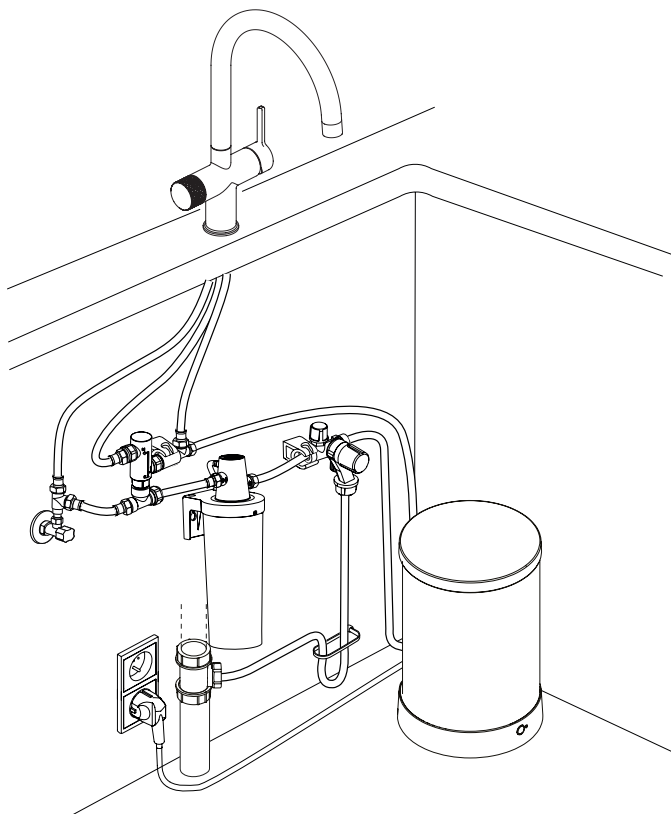




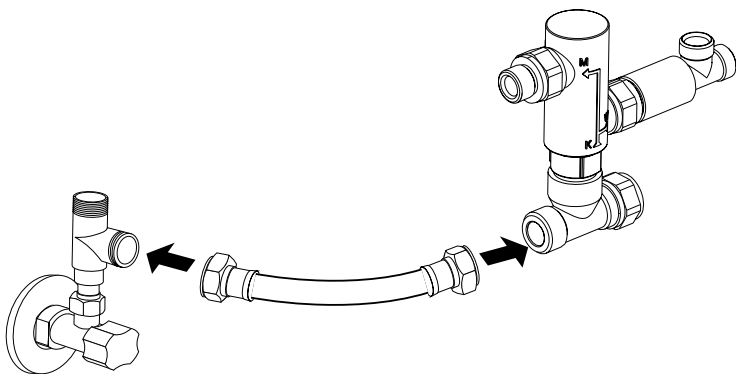
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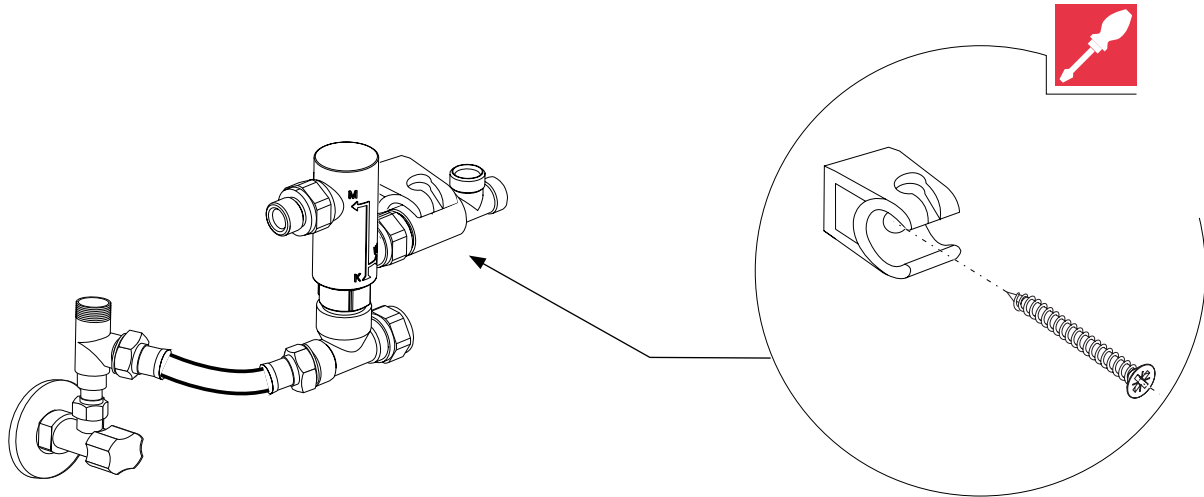
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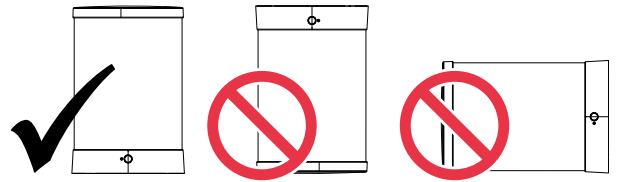
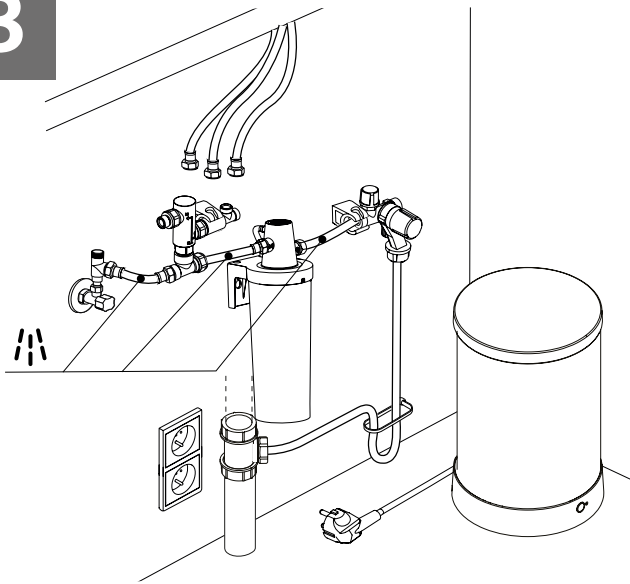
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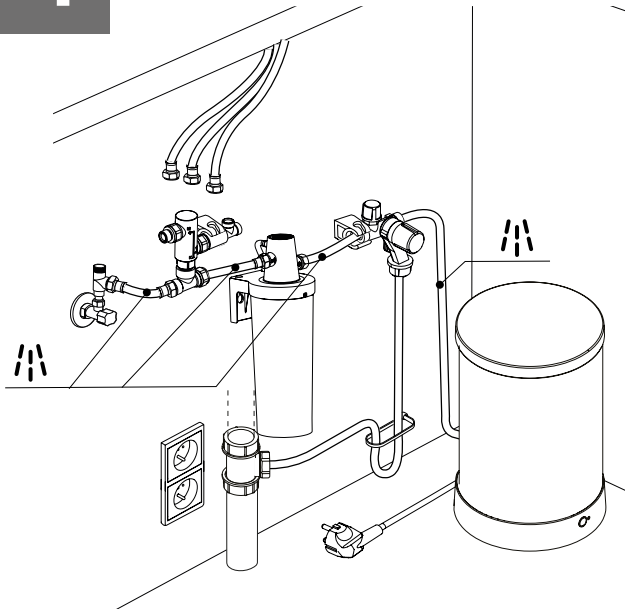
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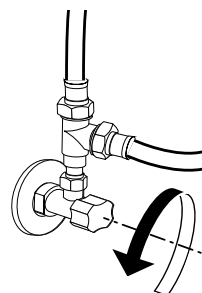
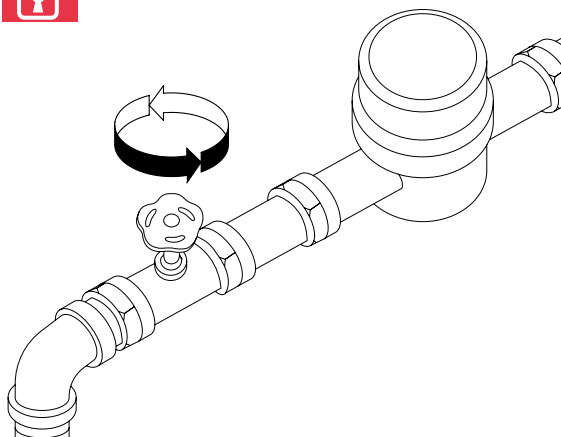
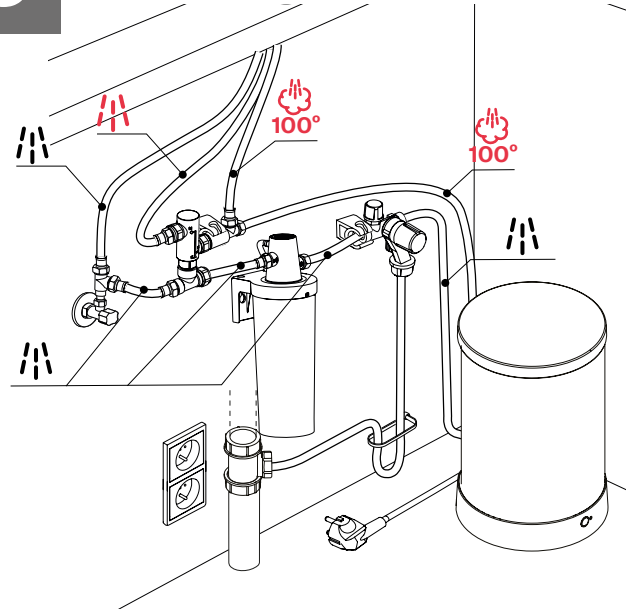
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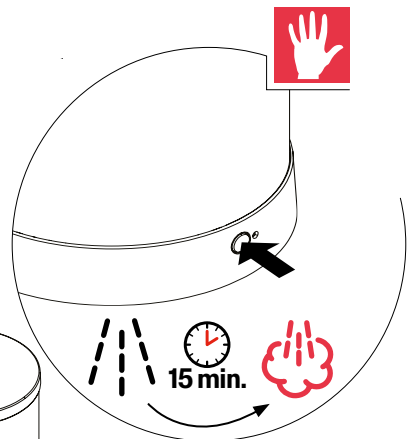
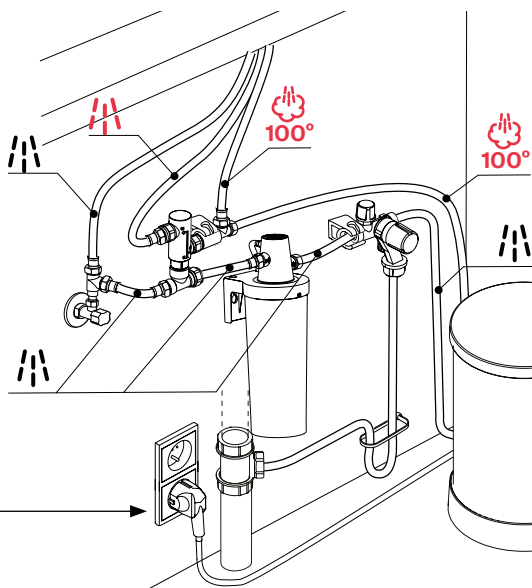
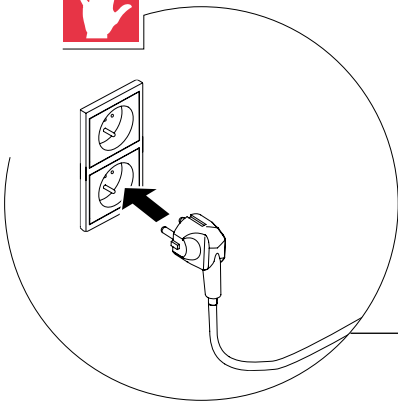
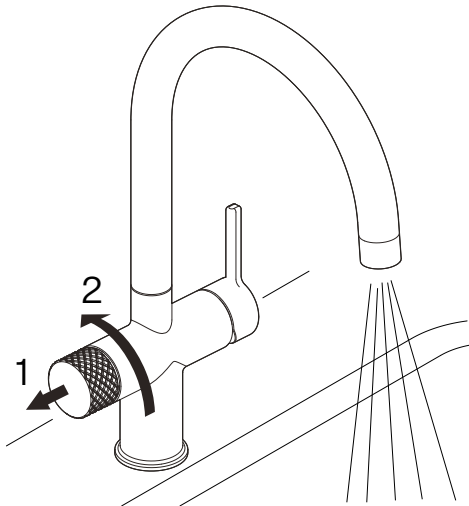
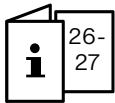
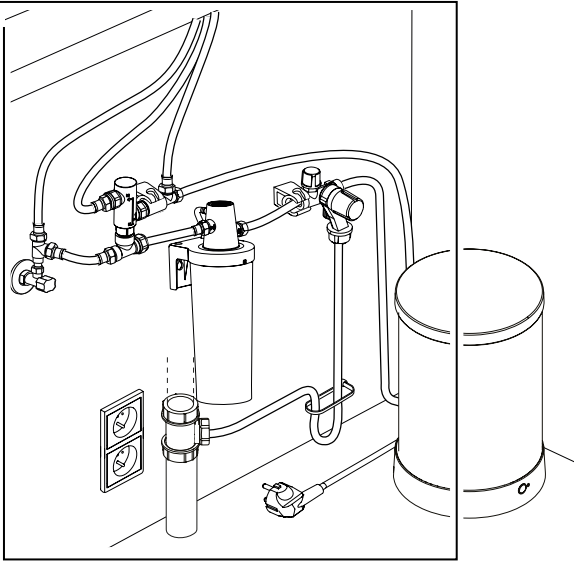
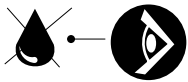


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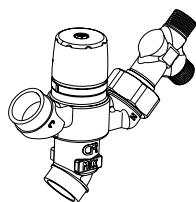
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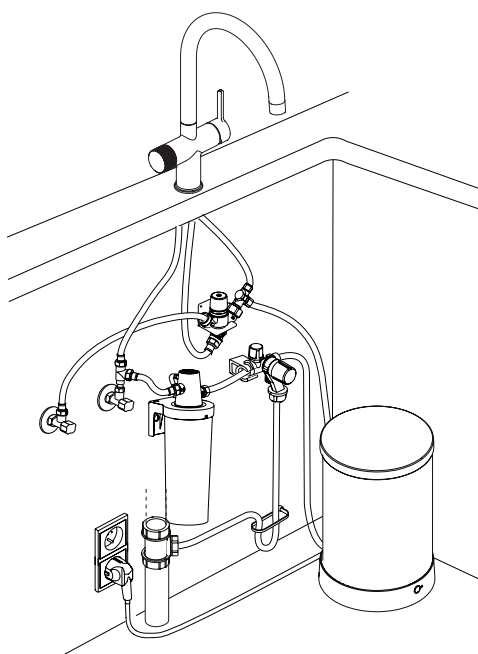




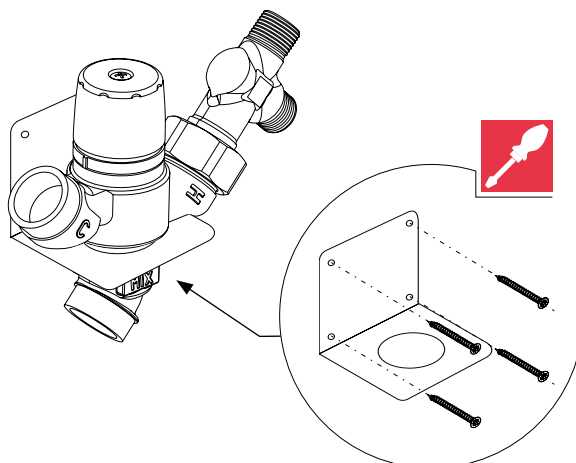
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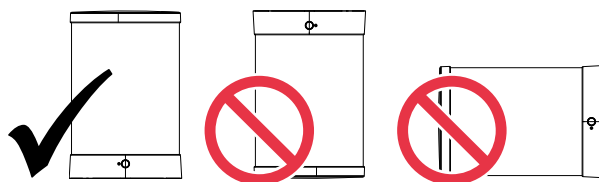
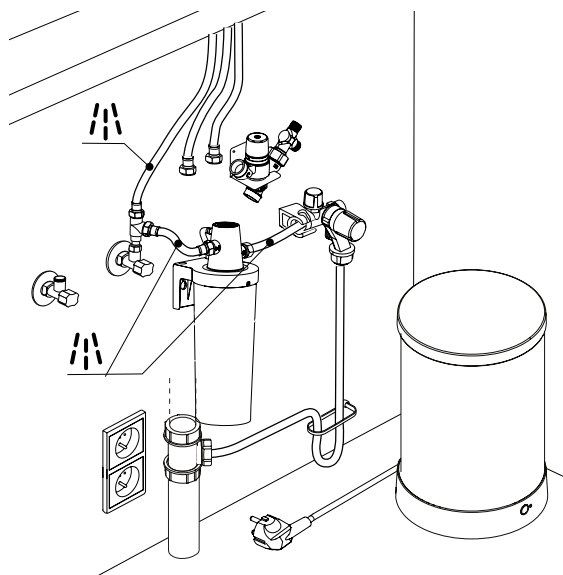
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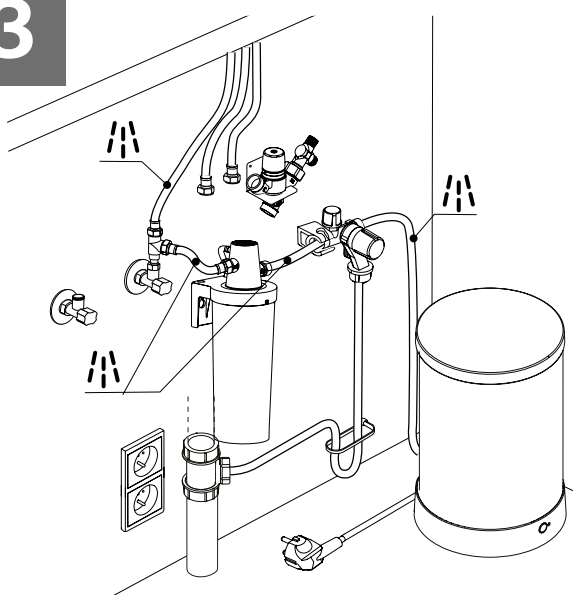
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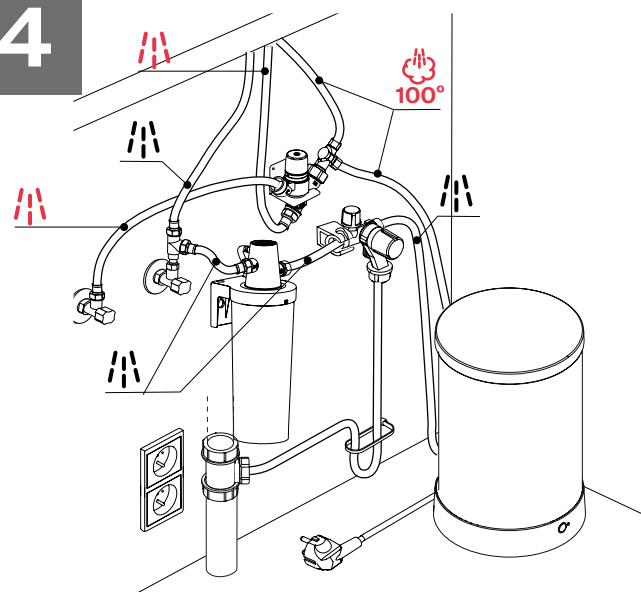
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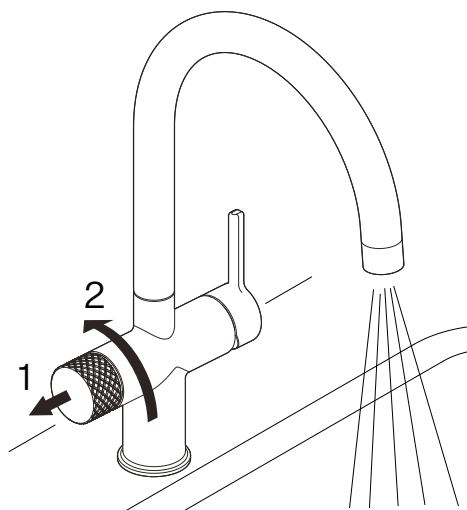
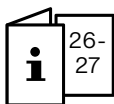
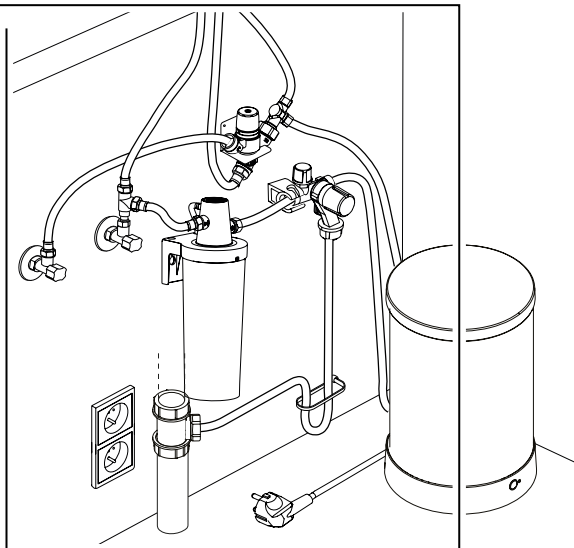
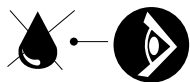
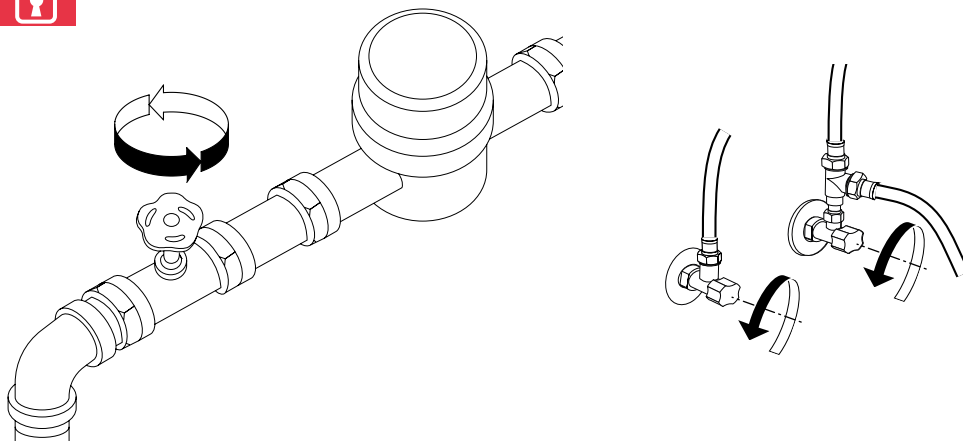


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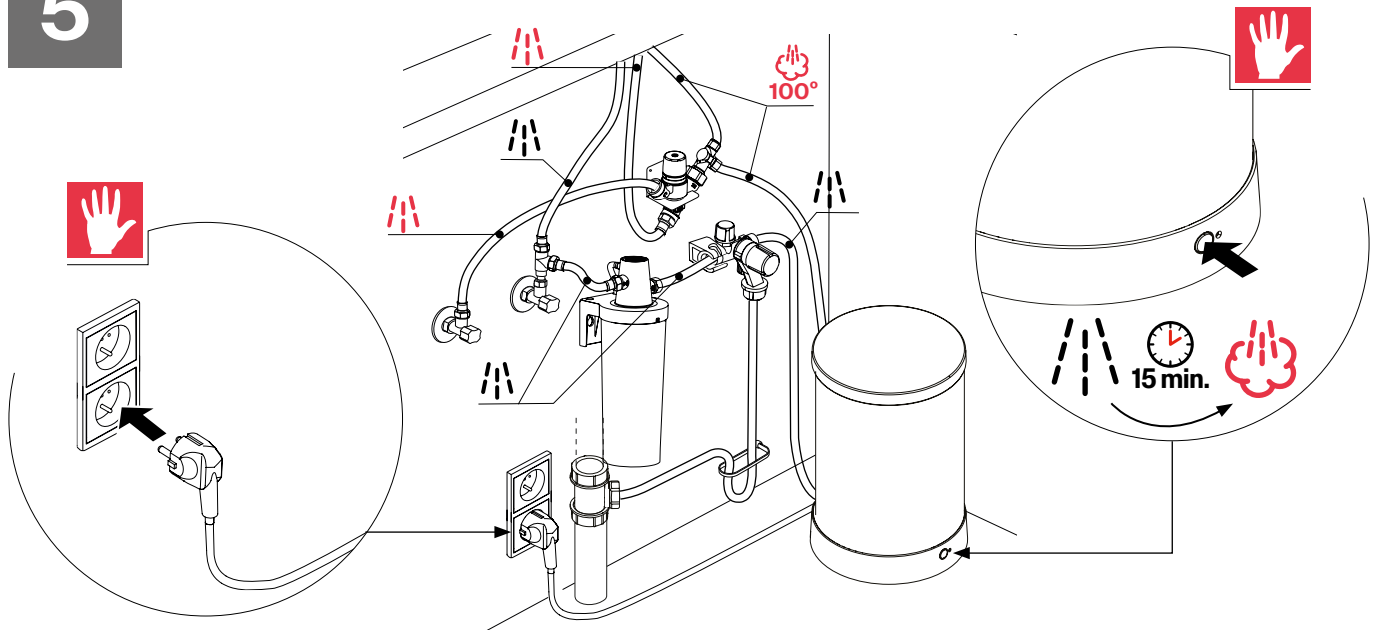


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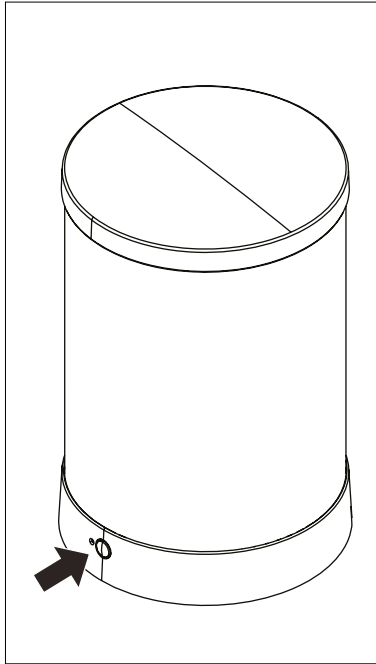
5



Operation

Operation of boiler

- Briefly pressing the ON/STANDBY button switches between the boiler modes ON and STANDBY.



ON:

- The LED is continuously red.

OFF:

- The LED is off.

When the boiler has been switched off for a week, we recommend that the following procedure is observed before use:

- Switch on boiler. Wait until the boiler water is up to temperature.
- Open the boiling water tap and flush the boiling water line until cold water comes out of the tap.



Caution: Ensure that the water does not atomise during flushing.

- Heat the boiler water again.

Decommissioning boiler

1. Remove the plug of the boiler from the wall plug socket.
2. Start the water flow on the electronic knob.
3. Wait until cold water runs out.
4. Stop the water flow on the electronic knob.
5. Close the stop valve.
6. Start the water flow on the electronic knob.
7. Wait until water no longer runs out.
8. Stop the water flow on the electronic knob.
9. Disconnect the hoses from the boiler.
10. Remove the boiler.
11. Allow the water from the hoses and the boiler to drain into the sink.

Taking boiler out of service

If you do not expect to need any boiling water for a prolonged period, such as during holidays, you can switch off the boiler (temporarily):

- Use the boiler STANDBY mode, or remove the plug from the wall plug socket to prevent heating of the boiler.

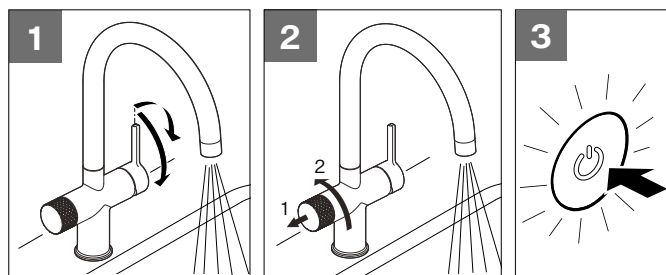
Switching on for the first time



Ensure that the boiler is filled with water!

Boiler

1. Operate the mixer tap and flush with warm water for 1 minute (fig. 1).
2. Open the boiling knob of the tap. The boiler will fill with water (fig. 2). The system will be flushed. It is normal that at the beginning of the flushing mode air comes out. When there is a smooth laminar flow out of the tap, the system is properly flushed.
3. Switch on the boiler (fig. 3).



4. Inspect the installation for leaks after commissioning.

Water reaches boiling temperature after approximately 15 minutes.

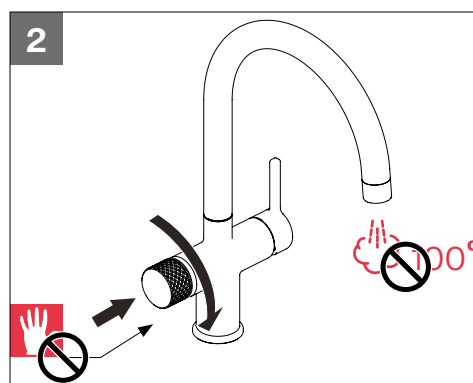
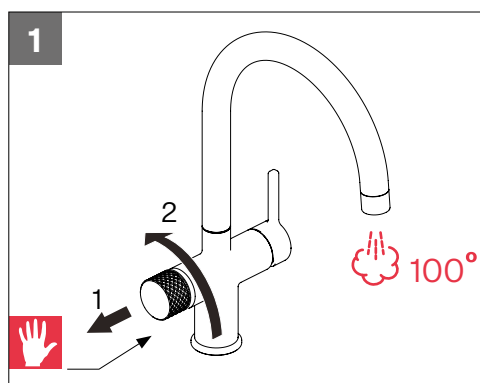


Warning: If, during heating, no expansion water has escaped after 10 minutes: Switch off the power supply immediately and turn on the boiling water tap to relieve the water pressure.

- The boiler is heated up when the ON/STANDBY button has a steady red light.
5. To clean the tank open the the boiling water tap until cold water runs out.

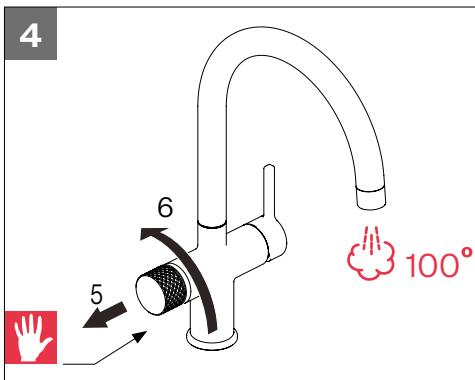
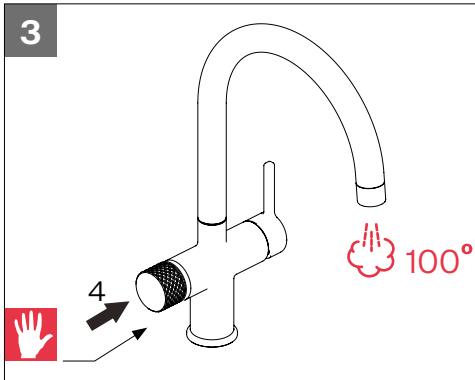
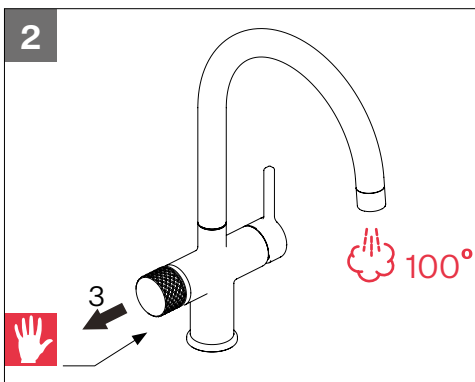
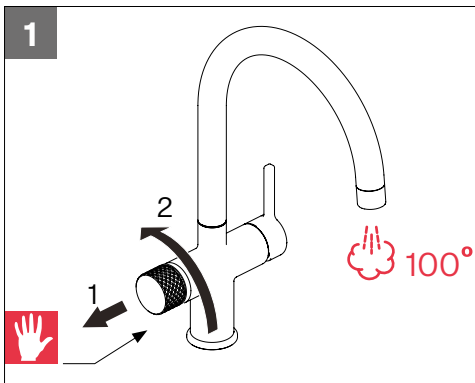
Tap operation

Boiling water handle operation

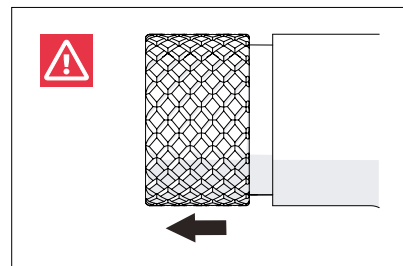


2. Automatic return of anti-scald safety via spring-back-safety tap.

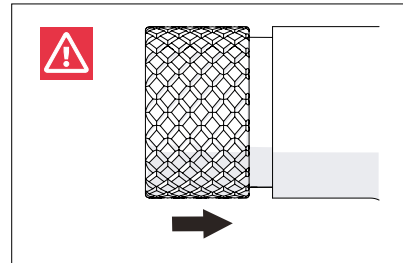
Continuous boiling water outlet operation - potfiller



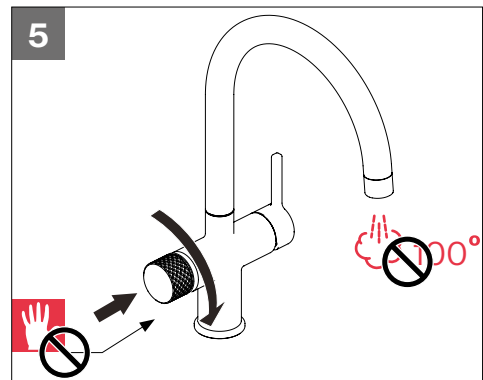
4. To unlock the handle, just pull it and automatically snaps safety.



Pull to the limit switch.



To keep the water boiling continuously, push until the impact.



5. Automatic return of anti-scald safety via spring-back-safety tap.

Filter installation / Filter replacement

After you start using the system you have to set a reminder to change your filter, based on below table.

If you registered your system you will get a reminder via email.

Filter lifetime

Water hardness*	<10°dH = 12 months
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	10-15°dH = 10 months
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	15-20°dH = 8 months
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	>20°dH = 6 months
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*at an average consumption of 3,5L boiling water per day



The use of a Franke filter is mandatory to protect the product against lime scale deposits. It is mandatory to change the filter based on the water hardness table.

Messages and malfunctions

Boiler status indicator LED

LED colour (normal)	LED action	Description
Blue	Blinking	Boiler does not have water.
Blue	Steady	Commissioning/system self-check.
Orange	Blinking	System Failure; contact Franke service.
Red	Blinking	Boiler is heating up.
Red	Steady	Boiler is fully heated.

Troubleshooting

Water leaks

Cause	Remedy
Connection leaking	Inspect the coupling(s) and re tighten, if necessary.
Hose(s) leaking	Inspect the hose(s) and replace the leaking hose(s).

Cause	Remedy
Boiler leaking	Remove the plug of the boiler from the wall plug socket. Shut off the water supply. Contact Franke.
Tap leaking	Shut off the water supply. Contact Franke.

Tap supplies no water

Cause	Remedy
Hose(s) kinked.	Inspect the hose(s) and straighten the kinked hose(s).
The main water valve is closed.	Open the main water valve.
The stop valve in the kitchen cabinet is closed.	Open the stop valve.
Filter not installed in Filter head.	Install filter in the Filter head.

Tap supplies no boiling water

Cause	Remedy
Hose(s) kinked.	Inspect the hose(s) and straighten the kinked hose(s).
PRV is closed.	Open by turning the knob.
Filter not or not correctly installed.	Ensure filter is locked in.

Tap supplies no warm water

Cause	Remedy
Hose(s) kinked.	Inspect the hose(s) and straighten the kinked hose(s).
Boiler not functioning.	See table "The water from the tap is not boiling".
Warm water appliance not functioning.	Consult the manual of your warm water appliance, warm water support or bypass.

The water from the tap is not boiling

Cause	Remedy
The plug of the boiler has not been inserted into a wall plug socket.	Insert the plug into an earthed wall plug socket.

Cause	Remedy
The wall plug socket has no power supply.	<p>Check the electricity supply.</p> <p>The electric circuit has failed due to an excessive load. The boiler cannot be connected to the same electric circuit as a dishwasher.</p> <p>Franke suggest the Power combiswitch 112.0561.116.</p>
The boiler is OFF.	Switch the boiler ON.
The boiler has not heated up completely.	Wait until the boiler has heated up.
The boiler is defective.	Contact Franke.
The boiler causes a short-circuit	
Cause	Remedy
There is a short-circuit in the electric wiring or the heater element of the boiler.	<p>Remove the plug of the boiler from the wall plug socket.</p> <p>Contact Franke.</p>
No water in the boiler.	Fill the boiler with water.

Maintenance

General maintenance

- ▶ Visit our Franke webshop.
- ▶ Clean the tap only with Franke tap cleaner.
- ▶ Do not use cleaning agents containing a solvent or acid, such as lime scale removers, household vinegar or cleaning agents with acetic acid. These substances damage the surface. The tap will become matt and scratched.
- ▶ Lime scale deposits can be prevented by drying the tap after use.
- ▶ If lime scale deposits nevertheless occur, remove these using a citric acid-based cleaning agent.
- ▶ Check regularly whether water drips out of the inlet combination. This dripping is a sign that the inlet combination is (still) working correctly.
- ▶ Always use original Franke parts for maintenance or repair. This guarantees the safety and proper function of the product and safeguards any warranty claims.
- ▶ Replacement or repair of parts may only be carried out by Franke Service.

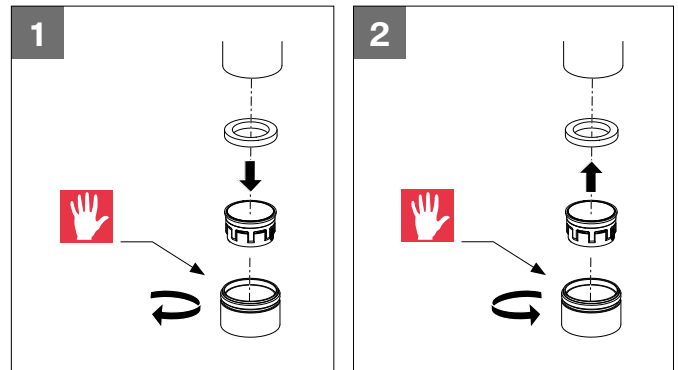
Replace filter (120.0305.558)

- ▶ Turn filter clock wise to remove from filter head.
- ▶ Turn new filter anti clock wise to install.
- ▶ Reset the filter setting see page 28 (filter installation).
- ▶ The filter head has an integrated auto shut off water valve. No need to isolate water supply to change filter.

Descaling tap aerator

- ▶ **Always use a citric acid-based descaling agent.** Other substances will damage the material!
- ▶ Loosening and tightening can be made easier by wrapping an elastic band around the sleeve of the tap aerator. Take care that the sleeve of the tap aerator is not damaged by the use of tools.

- ▶ Over the course of time, lime scale deposits will appear on and alongside the tap aerator.
- ▶ Unscrew the sleeve of the tap (fig. 1).
- ▶ Clean the tap aerator using a suitable descaling agent.
- ▶ Place the tap aerator into the sleeve and the gasket onto the tap aerator (fig. 2).
- ▶ Screw on the sleeve finger-tight (fig. 2).



Disposal



The symbol on the product or on the packaging indicates that the device must not be disposed of in the domestic waste. By disposing of the device in a proper way you help to avoid harmful consequences to environment and health. Further information about recycling the device is available from the competent authority, the local refuse disposal service or the vendor of the device.

- ▶ Dispose of the device, which is to be discarded, via a specialised waste collection point for electronic and electrical devices.

In accordance with the article of Legislative Decree no. 15 dated 25 July, Implementation of Directive 2002/96/EC regarding the reduction of the hazardous substances used in electrical and electronic appliances, and waste disposal. The barred dustbin symbol on the appliance indicates that at the end of its working life the product must not be disposed of as household waste.

Consequently, when the appliance has reached the end of its working life the user must take it to a suitable recycling centre for electronic and electrotechnical waste, or return it to the dealer when purchasing a new appliance of equivalent type.

Proper separate waste collection of the scrapped appliance for subsequent recycling, treatment and environmentally-friendly disposal helps prevent a potentially negative impact on the environment and health and facilitates recycling of the materials used in appliance construction.



Franke S.p.A.
Via Pignolini 2, 37019 Peschiera del Garda, ITALIA
Tel 045 6449311
www.franke.it

EU DECLARATION OF CONFORMITY

We, Franke spa addressed in Via Pignolini 2 37019 Peschiera del Garda ITALY, declare under our sole responsibility that the product:

FRANKE CODE: 119.0697.146
MODEL DESCRIPTION: MARIS BOILER 4L

to which this declaration relates is in conformity with the following directives and standards:

Directives:

- 2014/35/EU "Low Voltage Directive"
- 2014/30/EU "EMC Directive"
- 2017/1369/EU "Framework for energy labelling"
- 2011/65/EU "Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)"
- 2015/863/EU "Amending Annex II to Directive 2011/65/EU"
- 2014/68/EU "Pressure equipment"

Standards:

- EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021
- EN 60335-2-21:2021 + A1:2021
- EN 60529:1991 + A1:2000 + A2:2013 + AC:2019
- EN IEC 61000-3-2:2019 + A1:2021
- EN 61000-3-3:2013 + A1:2019 + A2:2021
- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN 50440:2015 + A1:2020
- EN IEC 63000:2018

Place and date: Peschiera del Garda, 03/04/2023

Franke S.p.A.
Chief Executive Officer
Barbara Borra



Franke S.p.A.
Via Pignolini 2, 37019 Peschiera del Garda, ITALIA
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www.franke.it

DECLARATION OF CONFORMITY

We, Franke spa addressed in Via Pignolini 2 37019 Peschiera del Garda ITALY, declare under our sole responsibility that the product:

FRANKE CODE: 119.0698.539

MODEL DESCRIPTION: Maris Boiler 4L Tank UK-Stecker

to which this declaration relates is in conformity with the following regulations and standards:

Regulations:

- Electrical Equipment (Safety) Regulations 2016 – SI 2016 No. 1101
- Electromagnetic Compatibility Regulations 2016 – SI 2016 No. 1091
- Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 – SI 2012 No. 3032
- Ecodesign for Energy-Related Products and Energy Information Regulations 2019
- Pressure Equipment (Safety) Regulations 2016

Standards:

- EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021
- EN 60335-2-15:2016 + A11:2018 + A1:2021 + A2:2021 + A12:2021
- EN 60529:1991 + A1:2000 + A2:2013 + AC:2019
- EN IEC 61000-3-2:2019 + A1:2021
- EN 61000-3-3:2013 + A1:2019 + A2:2021 + AC:2022
- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN 50440:2015 + A1:2020
- EN IEC 63000:2018

Place and date: Peschiera del Garda, 17/10/2023

Franke S.p.A.
Chief Executive Officer
Barbara Borra

