

Installation guide COMBI

Before installing read this guide first



Introduction

The operation of the Quooker COMBI

The Quooker COMBI supplies boiling water via the Quooker tap and hot water via the existing mixer tap. The system is delivered complete with a tank, inlet combination, mixing valve and boiling water tap. The tank is vacuum-insulated and connected to the cold water supply via the inlet combination. Inside the tank the water is heated electrically to approx. 110°C and is kept at this temperature. When water is drawn off, cold water flows into the tank at the same time and is automatically heated. If the entire content is used in one go the heating time is ca. 20 min. The Quooker COMBI supplies hot water by mixing boiling water from the Quooker tank with cold water from the water mains inside the mixing valve. A thermostatic control element inside the valve keeps the outgoing water temperature constant. This temperature can be set between 50°C and 60°C with the grey knob on the mixing valve. The mixing valve is suitably protected against a loss in water pressure, preventing any boiling water from flowing out of the mixer tap. Before the boiling water leaves the tank it is purified by the HiTAC® water filter (High Temperature Activated Carbon).

To extend the life of the filter, the water used for mixing the hot water is not filtered. All Quooker taps are fitted with a childproof push-and-turn handle and are also height adjustable and insulated.

Despite all the safety features incorporated in the product, anyone using the Quooker system must keep in mind the risks of using boiling water in general. Incorrect use can lead to injury. Therefore always read the manual carefully before use.

Installation, maintenance and warranty

The Quooker can be installed in almost any location provided there is sufficient space for the tank as well as a 13 amp socket, water supply and waste.

The Quooker tank must be fitted in an upright position. If the tank is to be fitted in a cabinet with drawers, an optional bracket can be purchased to suspend the tank from the cabinet wall.

For optimal purification of the Quooker-water, the HiTAC® filter should be changed once every five years. If necessary the tank can be cleaned out from limescale. If you live in a hard water area, the tank will need to be cleaned out more frequently. Alternatively, you can install a suitable descaling system. This system must not reduce the pH level of the water below 7 or remove all the minerals from the water (reverse osmosis) as this can be harmful to the tank and would void the warranty. Suitable descaling systems are also available directly from Quooker as an optional extra.

The warranty period is two years and covers supply of parts only. It does not cover labour costs or issues resulting from insufficient lime scale maintenance.

Users

The Quooker tap can be used by children above the age of eight and people with diminished physical, sensory or intellectual abilities provided they are supervised or have been instructed on the safe use of the device. Inform people who are unfamiliar with the Quooker system about safe use and the possible dangers associated with the use of the boiling-water tap. Please note: incorrect use may result in injury. Prevent children from using the tap as a toy and do not allow children to clean or maintain the product unsupervised. Keep the plug out of reach of small children.

The Quooker system is suitable for household use and commercial use such as in staff kitchens at shops, offices, farms and other business premises and for use by visitors at hotels, motels, bed & breakfasts and other residential accommodation.

Always follow the installation method described in the manual. Avoid spilling water on the plug. If defective, the power plug may only be replaced by a qualified technician. Water may drip from the pressure relief valve. This is normal. Always leave the grey funnel of the pressure relief valve open.

The pressure relief valve must be serviced regularly to prevent lime scale build-up and to check that the valve has not blocked up. Make sure you let the tank cool off adequately before disconnecting it. The fastest way to do this is as follows: turn off the Quooker, but leave the plug in the socket. Then open the boiling-water tap and turn it off once the water is cold. You can find a more detailed explanation for disconnecting the tank in chapter F.

Tips for use and the installation manual can also be found on our website: www.quooker.co.uk

Declaration of conformity

Quooker B.V., Staalstraat 13, 2984 AJ Ridderkerk (the Netherlands) herewith declares, on our own responsibility, that the products Quooker COMBI and COMBI+ are in accordance with the conditions of the following directives:

- 2006/95/EC Low Voltage Directive
- 2004/108/EC Electromagnetic Compatibility Directive
- 2014/68/EU Pressure Equipment Directive

and are in conformity with the following standards:

EN60335-1:2012 + A11:2014

EN60335-2-15:2002 + A1:2005 + A2:2008 + A11:2012

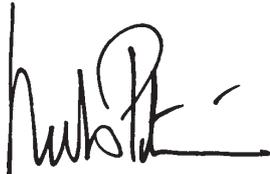
EN62233:2008

EN55014-1:2006 + A1:2009 + A2:2011

EN55014-2:1997 + A1:2001 + A2:2008

EN61000-3-2:2014; EN61000-3-3:2013; EN61000-4-2:2009; EN61000-4-3:2006 + A1:2008 + A2:2010; EN61000-4-4:2012; EN61000-4-5:2014; EN61000-4-6:2014; EN61000-4-11:2004

The Netherlands, Ridderkerk, 12-02-2016



Niels Peteri, Director

Technical specifications

Tank	COMBI
Voltage	230 V
Wattage*	2200 W
Capacity	7 litres
Heating-up time*	20 minutes
Standby power consumption*	10 W
Tank height	47 cm
Tank diameter	20 cm
Tap hole size	32 mm
Min. mains pressure	200 kPa (2 bar)
Max. mains pressure	800 kPa (8 bar)
Max. working pressure	1000 kPa (10 bar)
Temperature setting range	40°C - 60°C
Volume at 40°C*	27 litres
Volume at 60°C*	15 litres
Temperature regulation	thermostatic
Mounting bracket optional	yes
Safety features	- maximum temperature fuse - pressure relief valve 1000 kPa (10 bar)
HiTAC® water filter	High Temperature Activated Carbon

*These are average values.

Energy label

Declared load profile	XXS
Water heating energy efficiency class	A
Water heating energy efficiency	36%
Annual electricity consumption	511 kWh/A
Warm water temperature settings of the water heater	40°C - 60°C
Sound power level	- dB

Content of the pack

1. Quooker COMBI tank
 2. Quooker boiling-water tap, small washers, metal ring, screw ring and two screws
 3. Quooker hot water hose
 4. Quooker inlet combination
 5. Quooker drill bit, fibre rings, PVC nipple and waste hose
 6. Mixing valve
- Quooker-brochure
 - Installation guide and tips for use

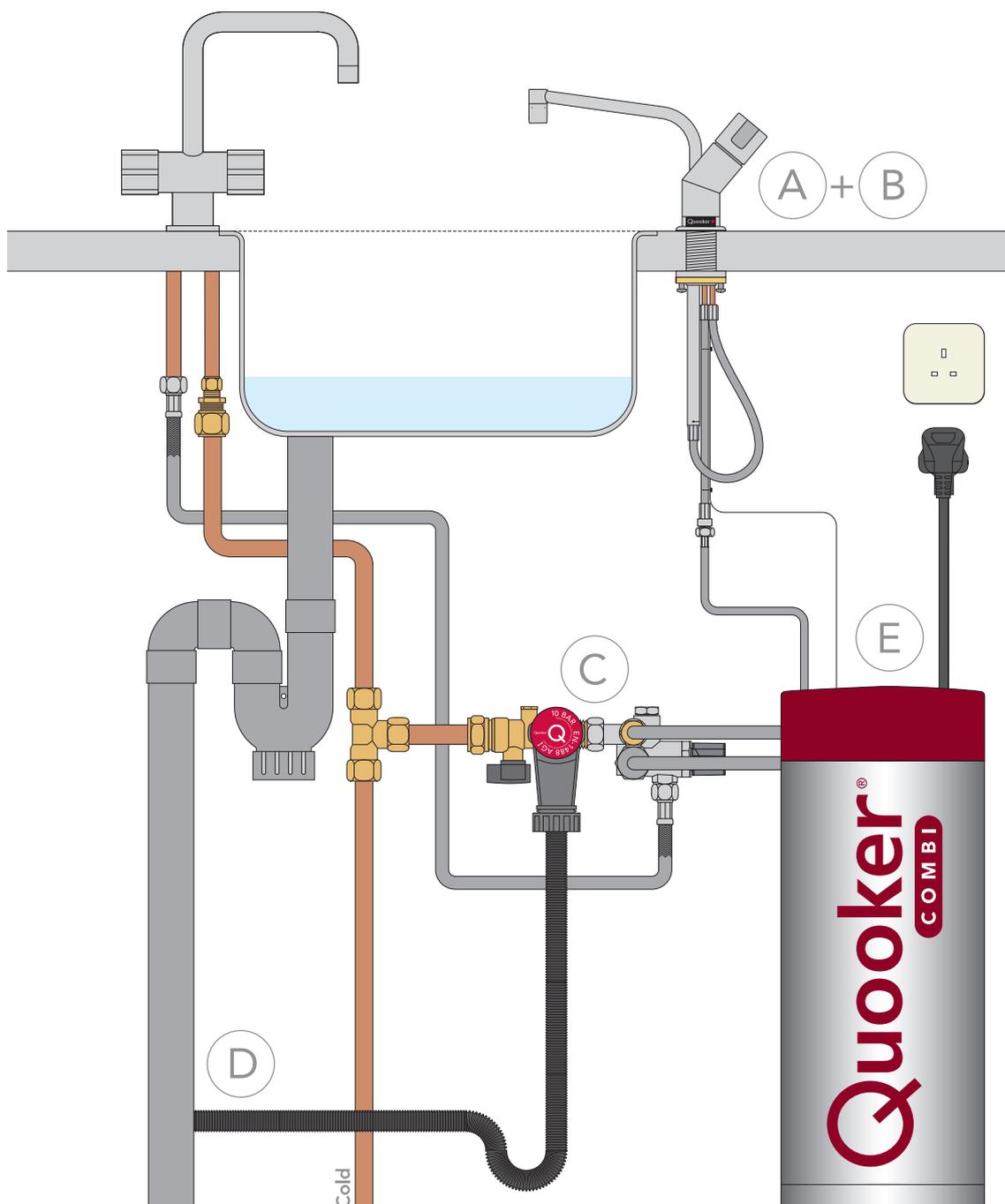


Overview of Quooker COMBI installation

It is recommended that you install the Quooker COMBI in the following order:

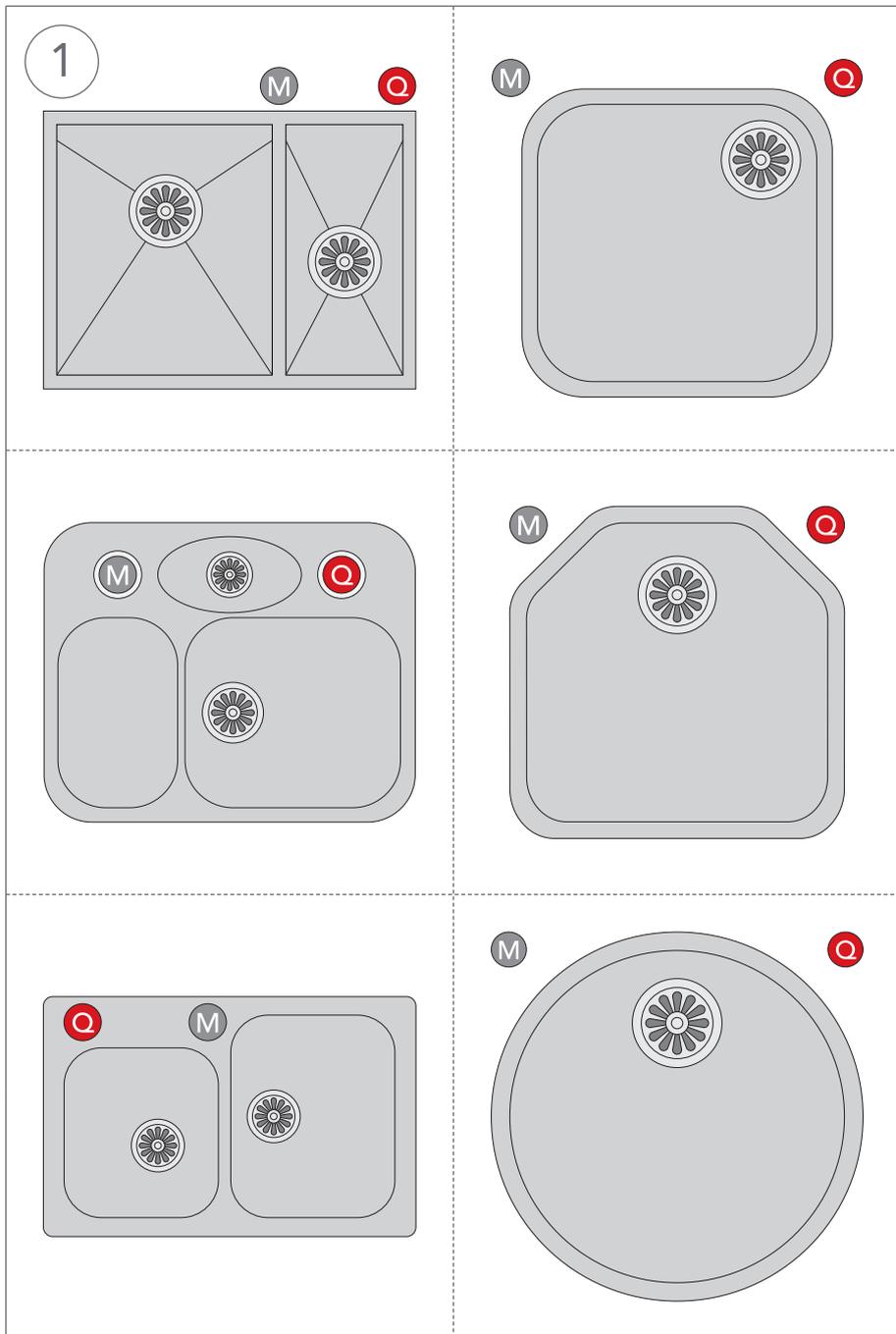
- A. Drilling hole
- B. Fitting tap
- C. Connecting water
- D. Connecting waste
- E. Connecting tank

N.B. Bear in mind that the tank, the inlet combination, the mixing valve and the socket must remain accessible for servicing.



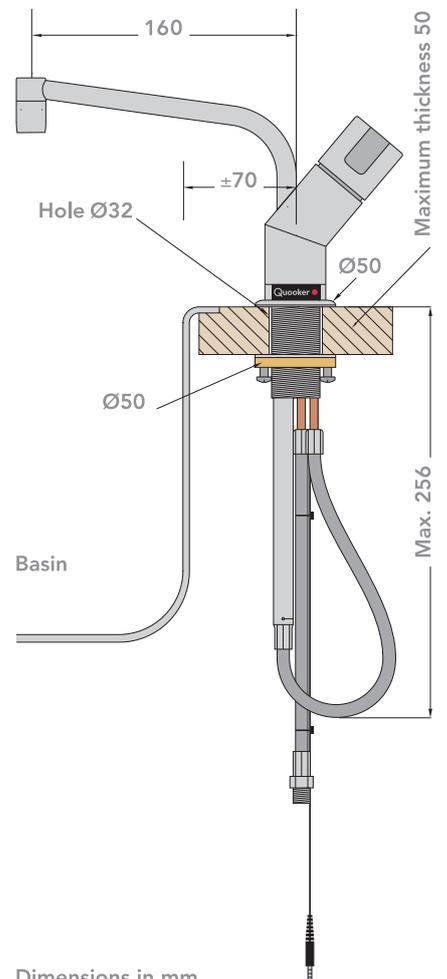
A Drilling hole

- The tap should be located in one corner of the basin(s).
- Note: It must be possible to move the tap outlet freely up and down. When the outlet is in its lowest position it projects approx. 25 cm below the sink. Bear this in mind when fitting the inlet combination, sockets and the like.
- The radius of the outlet is a good 16 cm from the centre of the tap hole, which determines how far the outlet extends into the basin.



1 Drilling hole

Allowing for the basin and mixer tap, select a suitable location for the Quoker tap (see examples). Using the correct drill bit, drill a hole of 32 mm in the sink.

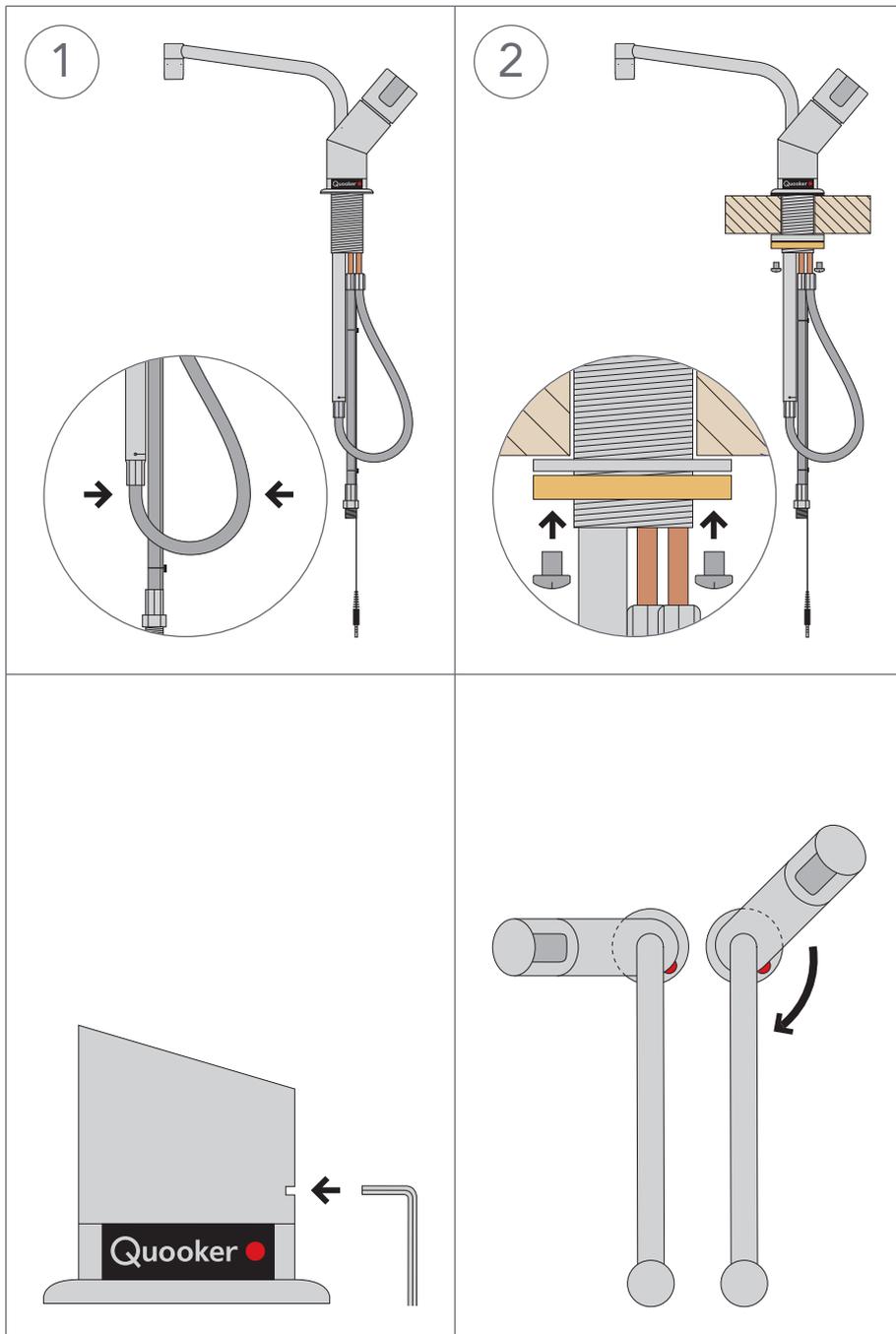


Dimensions in mm

B

Fitting tap

- Note: The total length of the boiling water hose is only 50 cm. The tank must therefore be fitted close to the tap. An extension hose is available but is not normally required.



1 Tap through sink

Push the tap through the hole in the work top. The rubber ring should be between the tap and the work top.

2 Tightening screws

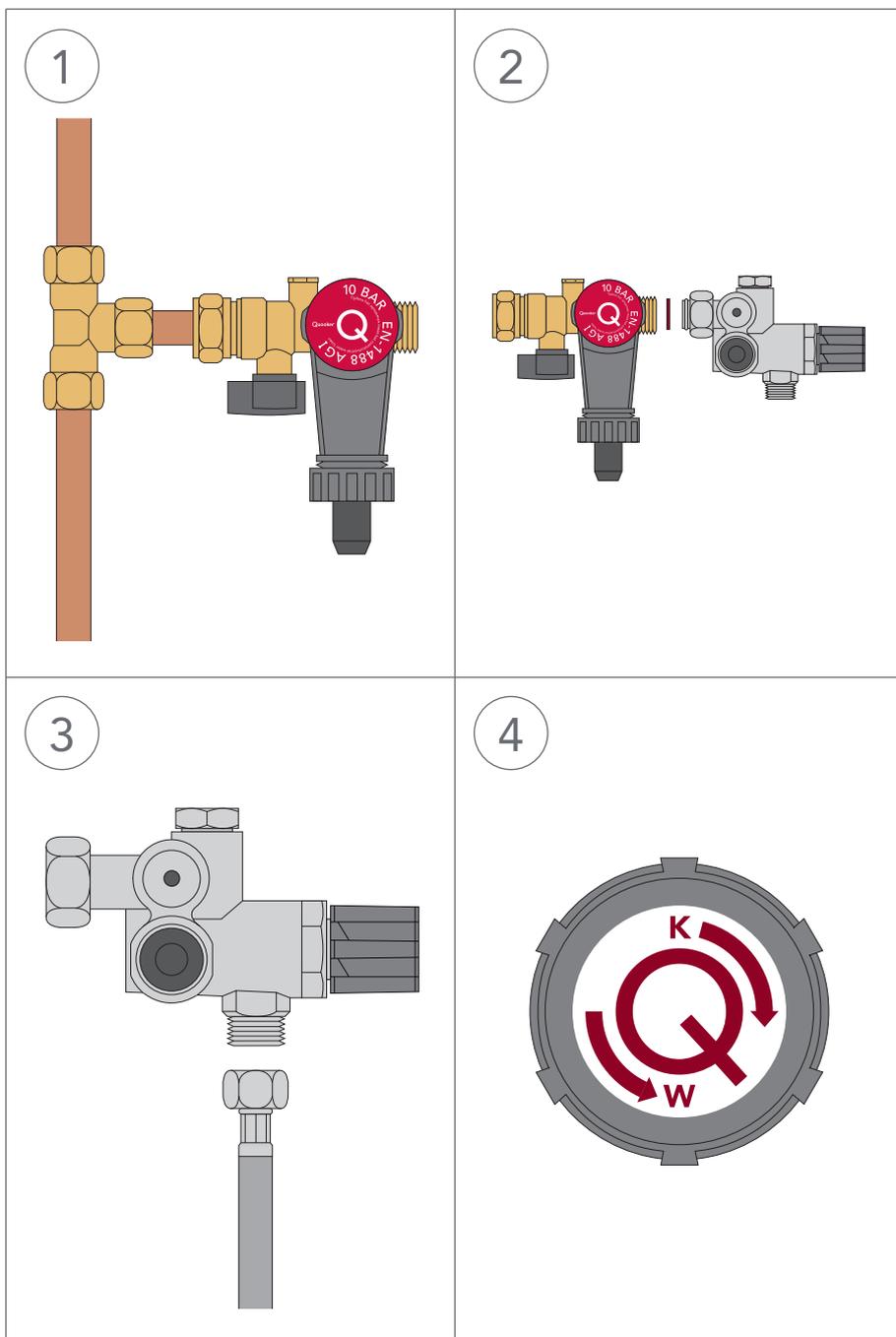
Set the tap to the desired position. Place the steel ring around the threaded bush, then tighten the brass screw ring on the threaded bush. Secure the tap by tightening the screws in the brass plate.

Only if necessary!

A hex head bolt (key width 2 mm) enables the tap to be twisted if necessary. Loosen the hex head bolt. Viewed from above turn it clockwise, until you can turn it no further. Then turn it a fraction anti-clockwise so that the spout is free to move up and down. Then retighten the hex head bolt.

C Connecting water

- Note: The Quooker operates under water supply pressure and must always be fitted with the inlet combination (supplied).
- The Quooker boiling water tap must be connected according to the locally applicable regulations.
- The pressure relief valve on the inlet combination must be regularly lifted to prevent blocking due to lime scale.
- Position the inlet combination at such a height that the difference in height between it and the waste nipple is the maximum possible to allow the expansion water to run off (see the figure at step D4).



1 Fitting inlet combination

Connect the inlet combination to the T-piece with a copper tube (15 mm).

2 Fitting mixing valve

Connect the mixing valve to the inlet combination with the fibre ring supplied. The mixing valve can be fitted in any position, but allow for the temperature setting knob.

3 Fitting hot water hose

Connect the hot water hose from the mixer tap to the mixing valve.

4 Temperature setting

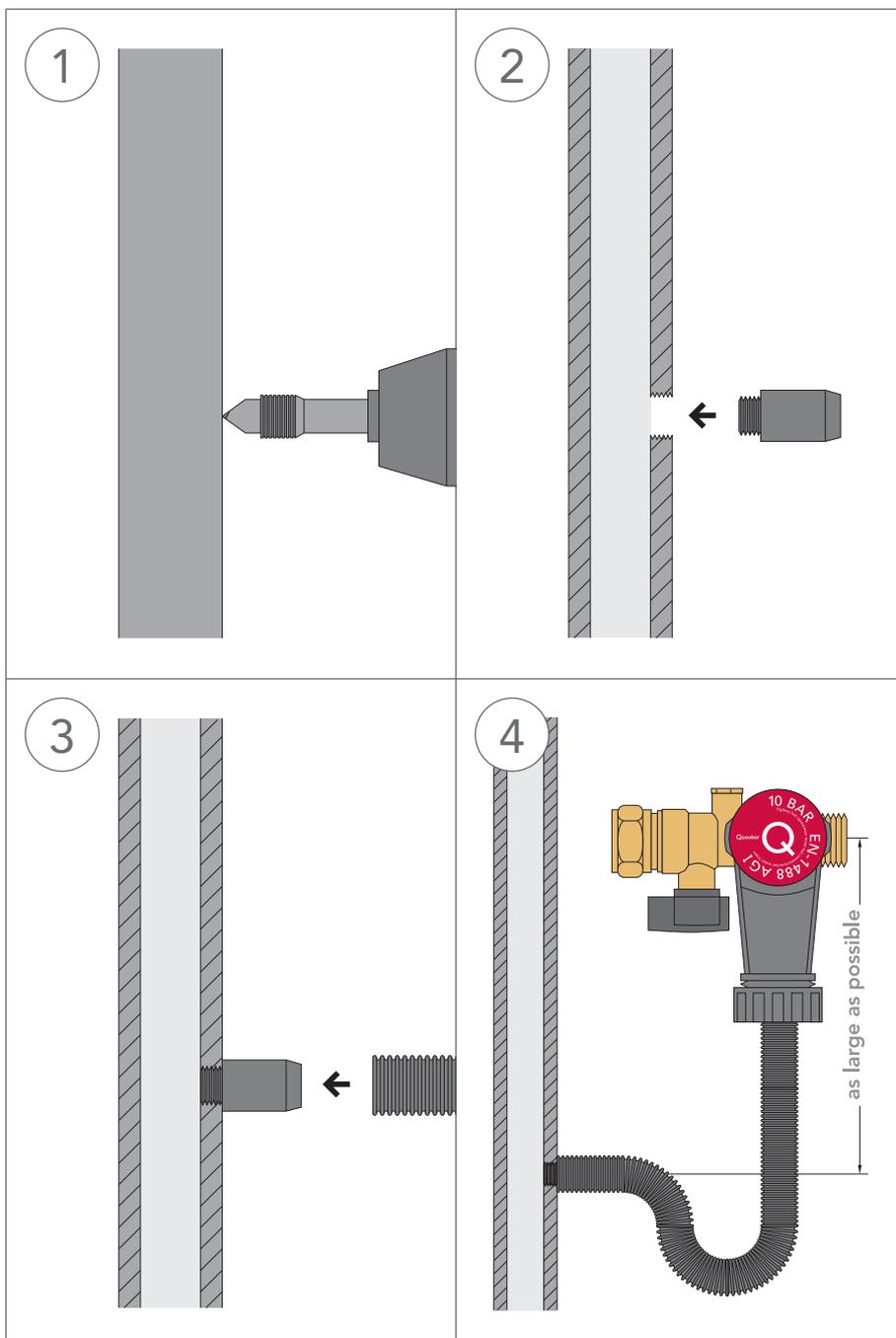
Turn the setting knob of the thermostatic mixing valve to the temperature you require (between 50°C and 60°C).

D

Connecting waste

The Quooker tank releases expansion water via the inlet combination which is fed into the grey funnel. The funnel is connected to the waste pipe via the supplied waste hose. The drilling kit, also supplied, can be used to make a connection to the waste pipe.

It is important to keep the height distance between the inlet combination and the connection to the waste pipe as large as possible to prevent waste water from flowing back.



1 Drilling hole

Using the drill bit supplied, drill and tap in one operation a threaded hole in the grey PVC waste pipe. Drill slowly so that the PVC does not melt. Turn back anti-clockwise to preserve the thread.

2 Screwing in nipple

First try to screw the nipple into the hole before fitting permanently with PVC glue.

3 Hose to waste

Slide the waste hose over the PVC nipple and blow through the hose to ensure that the hose runs through.

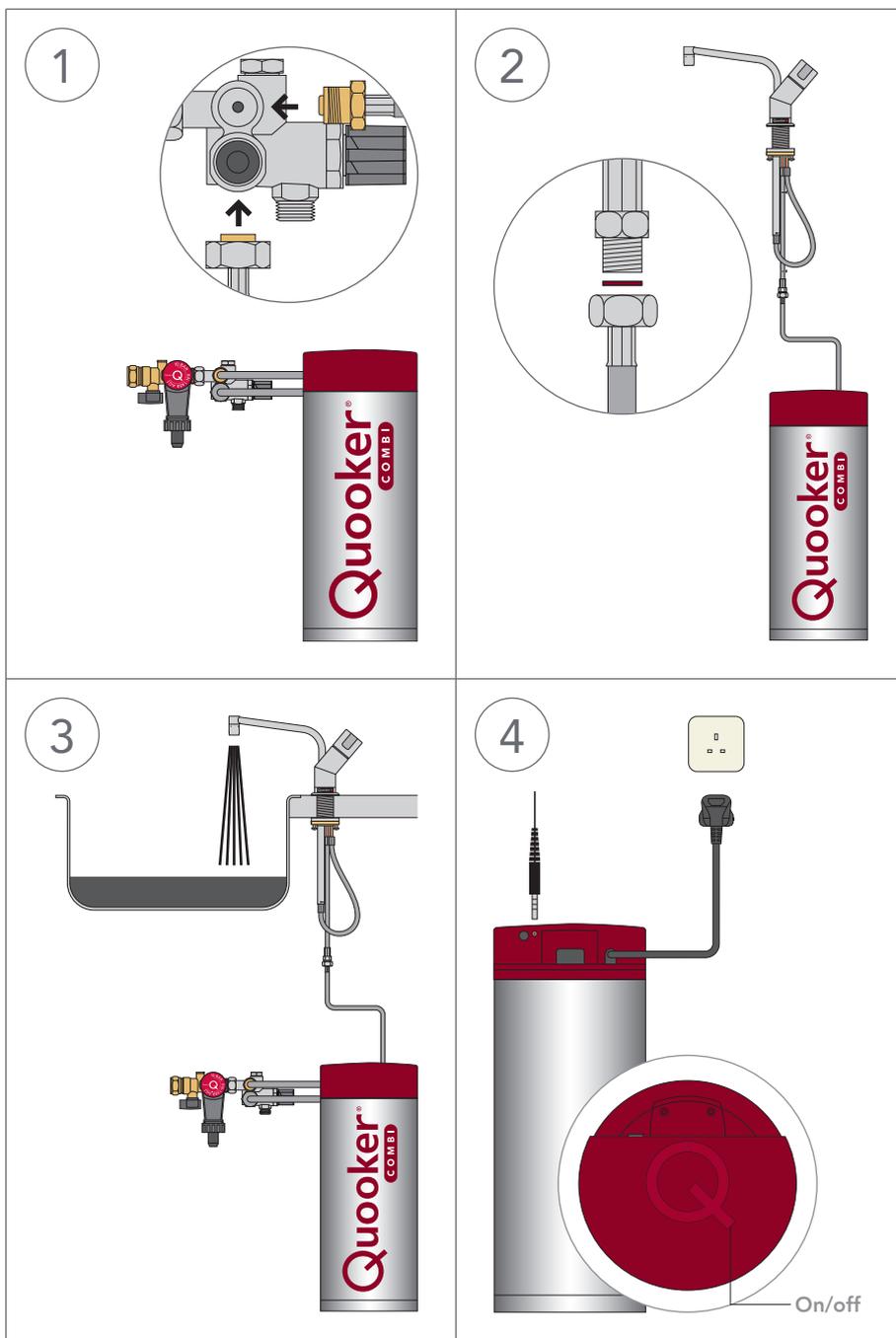
4 Hose on inlet combination

Connect the other side of the hose with a suspended bend to the funnel of the inlet combination. This will create a water lock to prevent smells coming from the waste pipe. When the tank heats up water drips from the inlet combination funnel.

E

Connecting tank

- Note: Do not switch on the Quooker until the tank is filled with water.
- The Quooker tank is supplied with a 3-core mains cord with earthed plug.
- The Quooker boiling-water tap is fitted with an indicator lamp which indicates whether or not the heating element is heating.
- If the mains cord is damaged it must be replaced by the manufacturer, his agency or a qualified person to prevent a dangerous situation.



1 Connecting tank

Connect the long hoses to the mixing valve. The couplings are flare fittings so that no seal should be inserted between them.

2 Connecting tap

Connect the short hose, with the ring supplied, to the boiling-water tap.

3 Flushing tank

Open the Quooker tap. Now open the main water valve and the stop valve of the inlet combination. Check for leaks. Flush the Quooker through for a few minutes until the water is clear. Black water will flow out first. This is activated carbon from the filter and is, incidentally, completely harmless.

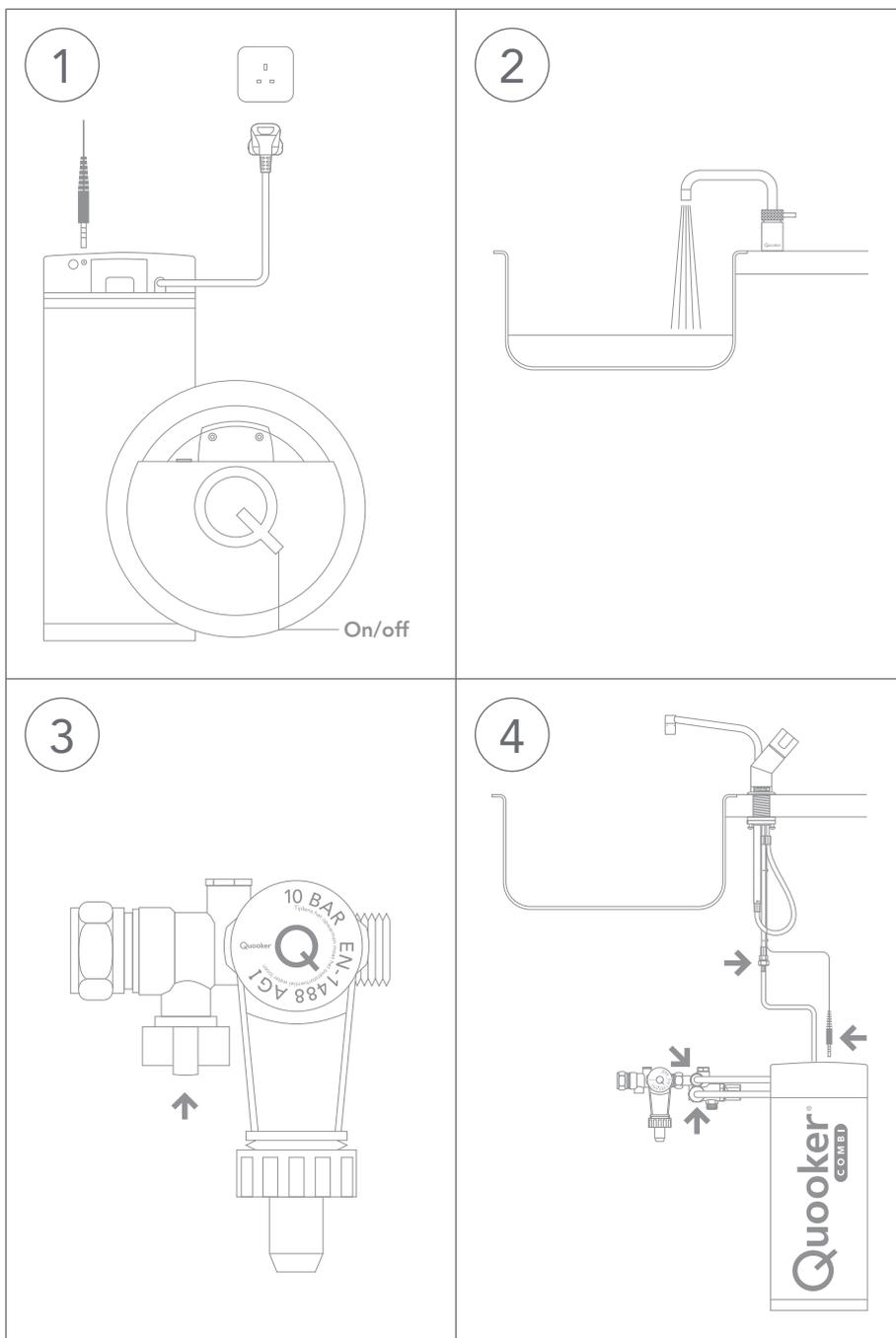
4 Electrical connection

To connect the indicator lamp you insert the plug into the hole provided. Connect the tank to an earthed socket and do not switch it on until the tank is filled with water. The 'Q' on top of the tank is the on/off switch. After the Quooker has heated up the entire content of boiling water must be flushed through once before use.

F

Disconnecting tank

- For servicing.
- Cleaning instructions and service kits are available on request.



1 Switching off

Turn off the on/off switch by pressing the 'Q' button on top of the cover and remove the plug from the socket.

2 Allow to waste

Open the Quooker tap and do not close it until the water is cold.

3 Isolating

Close the main water valve or the stop valve of the inlet combination. Check that the Quooker is depressurised by opening the Quooker tap again. No water should flow out now.

4 Disconnecting

Unscrew the hoses and pull the LED cable out of the top cover. Drain the unit into the sink.



www.quooker.co.uk