

# COMBI Installation Guide

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. 15 min (COMBI 3.0) to 20 min (COMBI 2.2). 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 65°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.

## Installation, maintenance and warranty

The Quooker can be installed wherever there is a water supply and a socket. Bear in mind that the tank must remain accessible for servicing. The Quooker comes with a handy installation kit for easy fitting, and is maintenance-free. The HiTAC® filter cartridge has to be replaced about once every five years, when any lime scale that has built is also removed from the tank. In hard water areas servicing may be carried out more frequently. The warranty period is two years and covers supply of parts only. This does not include labour costs. Please note, that under no circumstances should the Quooker be connected to a descaling system that reduces the pH level of the water as this will void the warranty.

## Technical specifications

Tank	COMBI 2.2	COMBI 3.0
Voltage	230 V	230 V
Power	2200 W	2900 W
Capacity	7 litres	7 litres
Heating-up time	20 minutes	15 minutes
Standby power consumption	10 W	10 W
Tank height	47 cm	47 cm
Tank diameter	20 cm	20 cm
Tap hole size	32 mm	32 mm
Max. working pressure	10 bar	10 bar
Temperature setting range	50°C - 65°C	50°C - 65°C
Volume at 40°C	27 litres	27 litres
Volume at 60°C	15 litres	15 litres
Temperature regulation	thermostatic	thermostatic
Safety equipment	maximum temperature pressure relief valve 10 bar	maximum temperature pressure relief valve 10 bar
Water shut-off valve	ceramic	ceramic
HiTAC® water filter	High Temperature Activated Carbon	High Temperature Activated Carbon

## Declaration of conformity

Peteri BV, Staalstraat 13, 2984 AJ Ridderkerk (the Netherlands) herewith declares, on our own responsibility, that the products Quooker COMBI 2.2 and COMBI 3.0 are in accordance with the conditions of the following directives:

- 72/23/EEC Low Voltage Directive
- 89/336/EEC Electromagnetic Compatibility Directive
- 97/23/EG Pressure Equipment Directive

and are in conformity with the following standards:

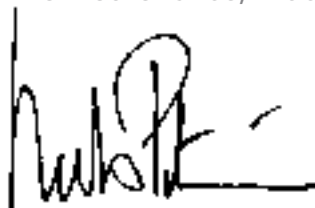
EN 60335-1:02 + A11:04 + A1:04

EN 60335-2-21:03 + A1:05

EN 60335-2-15:03

EN 50366:03 (Electromagnetic Fields)

The Netherlands, Ridderkerk, 19-08-2008



Niels Peteri  
Managing director

# Content of the pack

1. Quooker COMBI tank
  2. Quooker tap
  3. Hot water hose
  4. Quooker inlet combination
  5. Quooker drill bit, fibre rings, PVC nipple and drain hose
  6. Mixing valve
- Brochure
  - Installation guide and tips for use

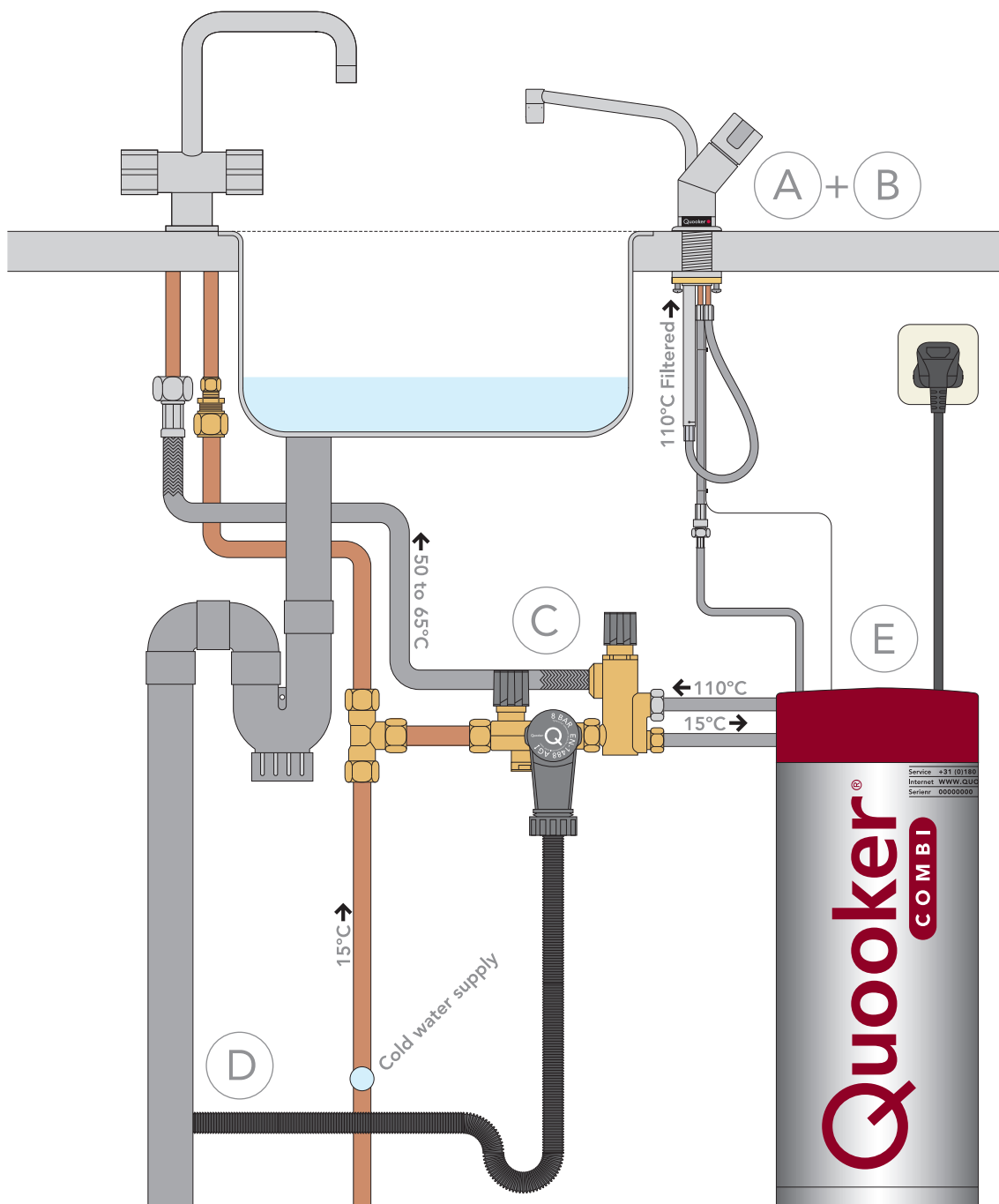


# Overview of Quooker COMBI installation

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

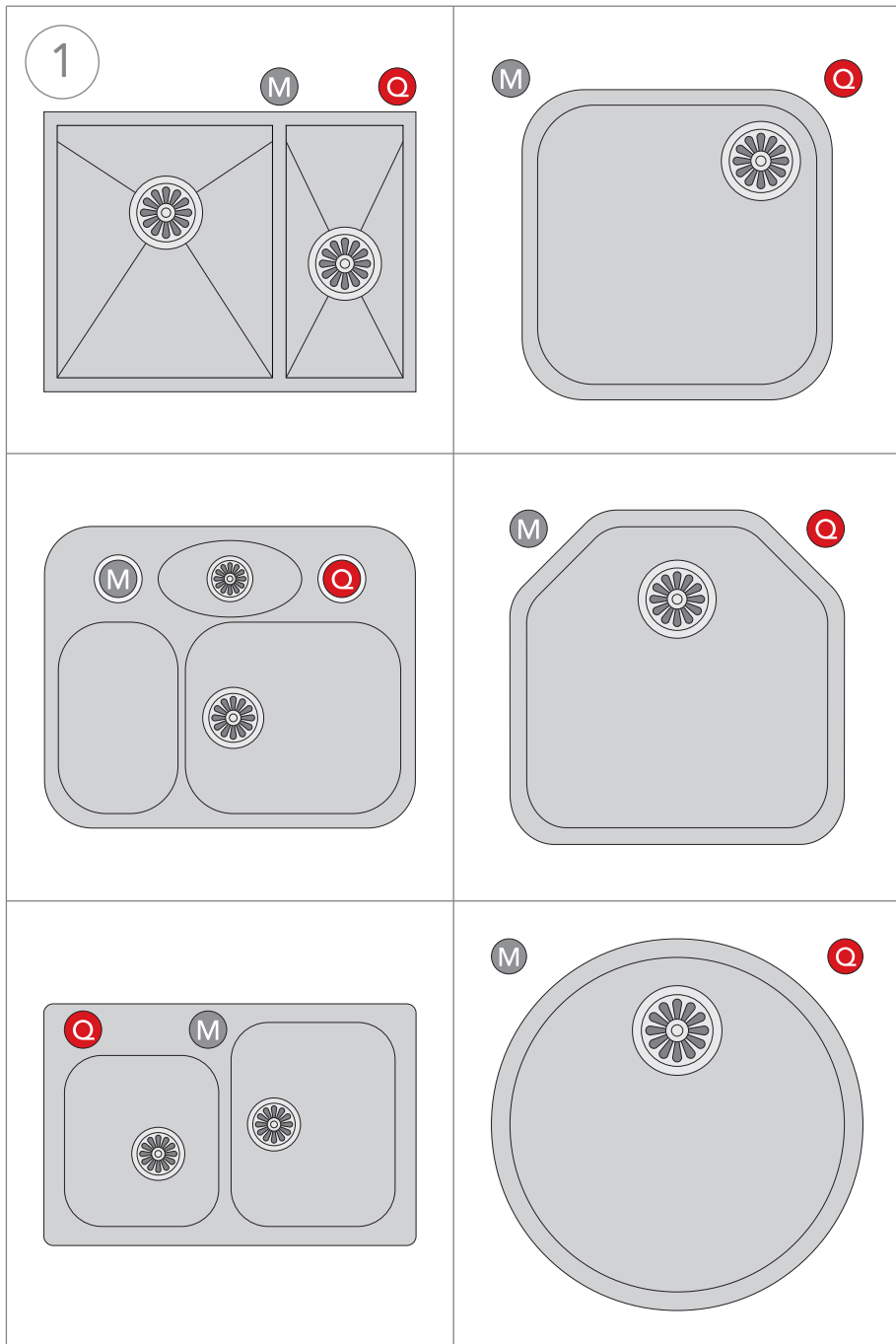
- A. Drill hole
- B. Fit tap
- C. Fit inlet combination and mixing valve
- D. Connect drain
- E. Connect tank

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



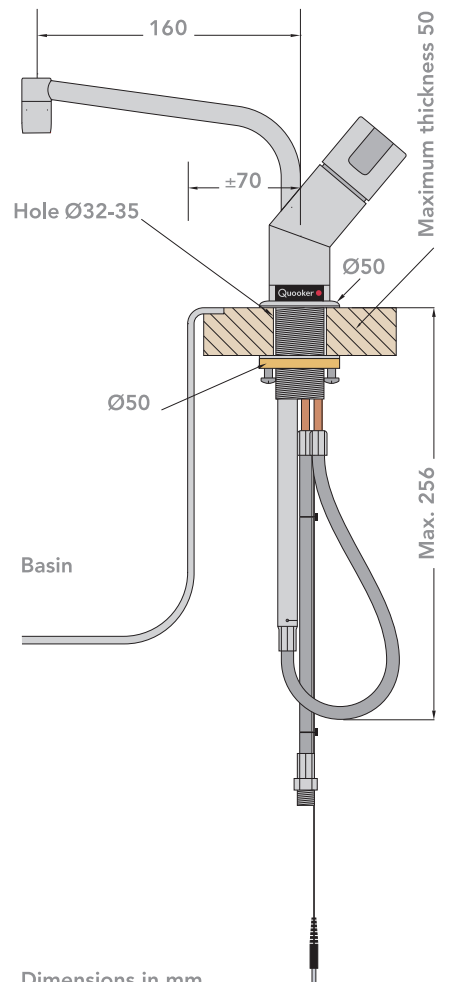
# A Drilling hole

- The tap should be located in one corner of the basin(s).
- N.B. 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 32-35 mm in the sink.

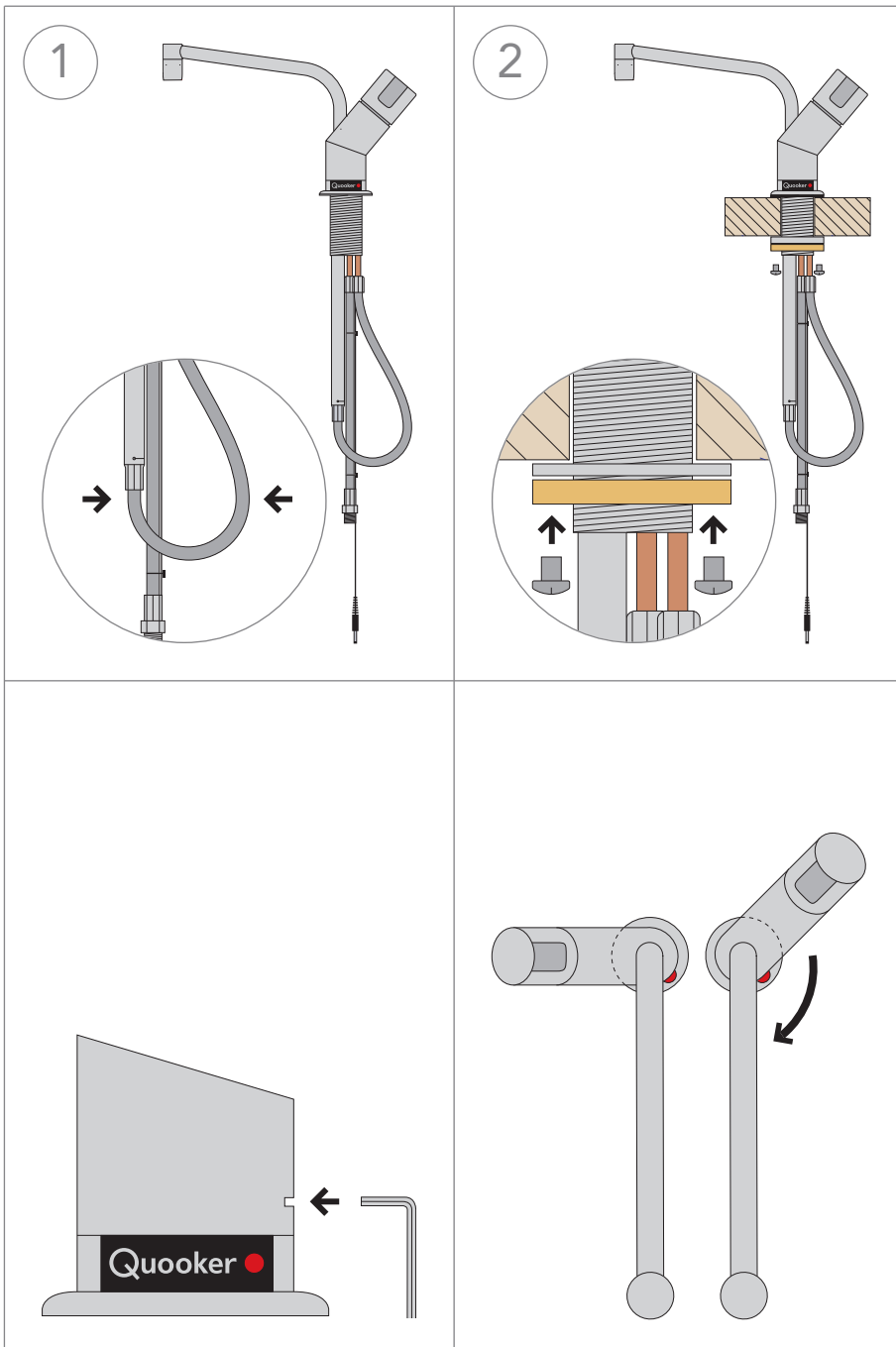


Dimensions in mm

# B

## Fitting tap

- N.B. 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 sink. Fit the rubber ring between the tap and the worktop.

### 2 Tightening screws

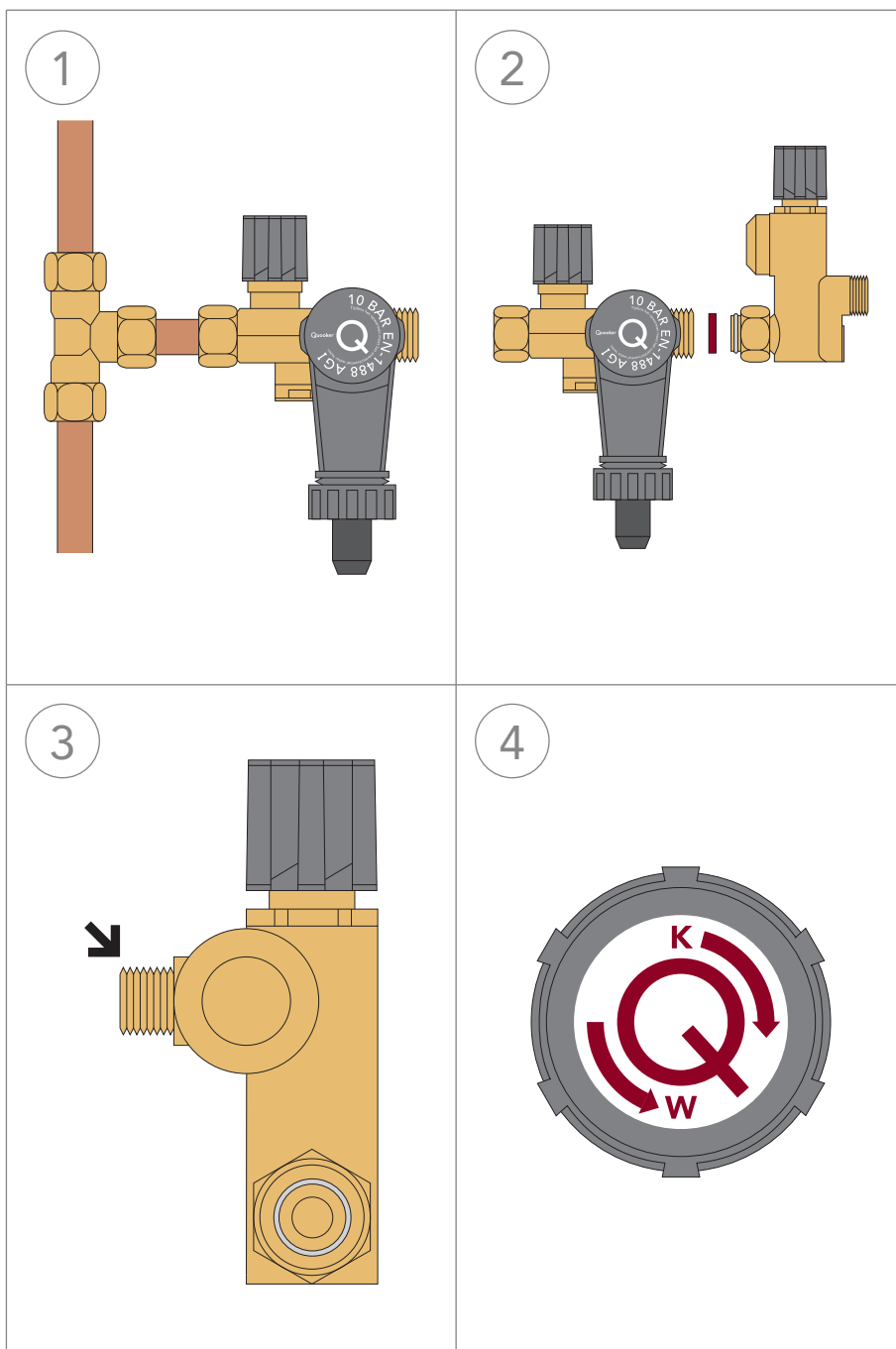
Set the tap to the desired position and tighten the brass sink nut. Then lock the tap by tightening the screws in the sink nut.

### 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

- N.B. 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 drain nipple is the maximum possible to allow the expansion water to run off (see 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

Screw the loose nipple (3/8") of the hose supplied onto the mixing valve. The hot water hose can now be connected to the mixer tap.

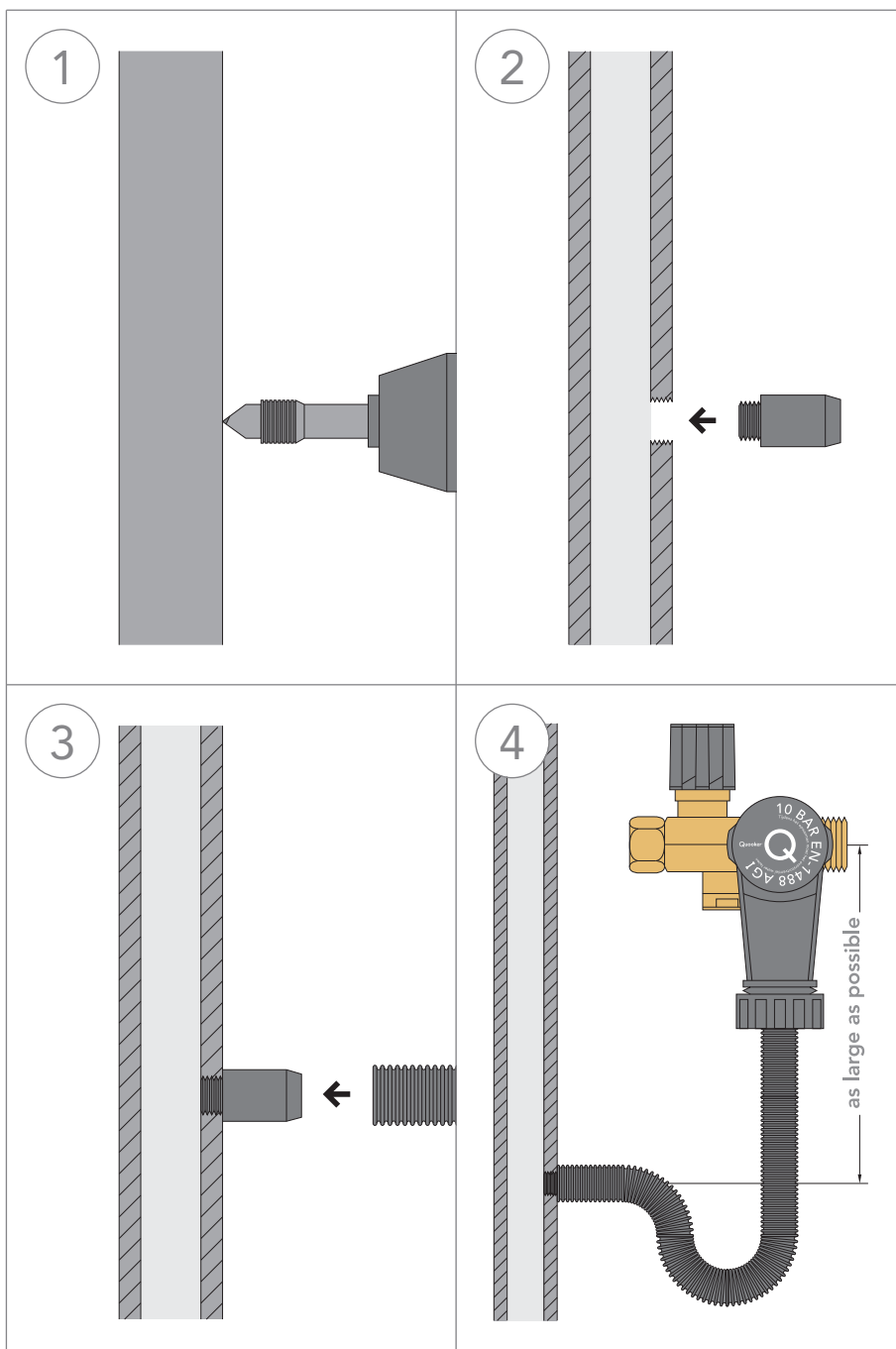
## 4 Temperature setting

Turn the setting knob of the thermo-static mixing valve to the temperature you require (between 50°C and 65°C).

# D

## Connecting drain

The Quooker tank releases expansion water through the inlet combination during heating, this water being fed into the grey funnel. The funnel can easily be connected to the drain by means of the drain hose supplied. The drilling kit also supplied can be used to make a connection to the drain pipe. Try to keep the difference in height between the inlet combination and the connection to the drain as large as possible to prevent a back-flow of drain water.



### 1 Drilling hole

Using the drill bit supplied, drill and tap in one operation a threaded hole in the grey PVC drain 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 drain

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

### 4 Hose on inlet combination

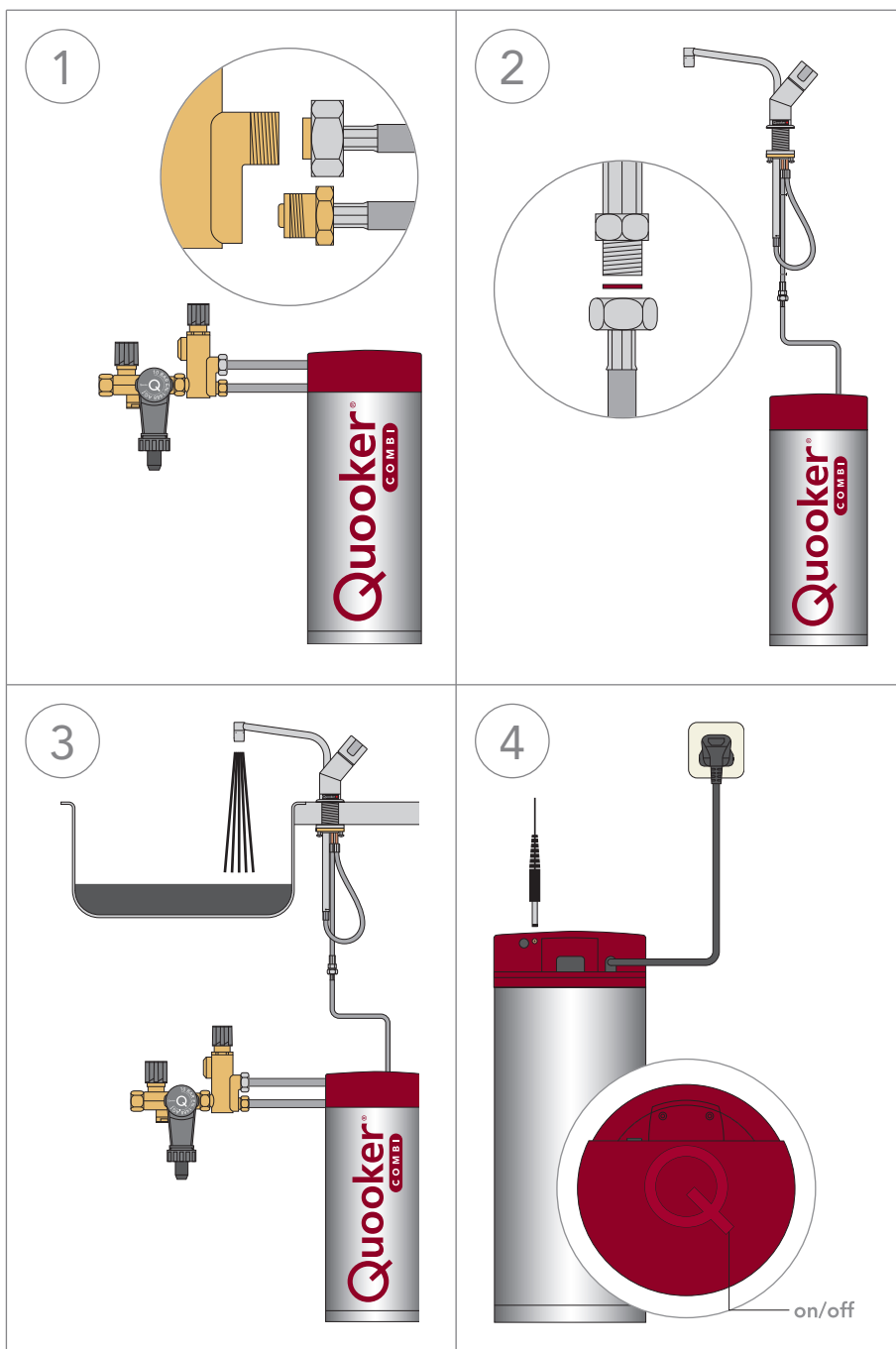
Connect the other side of the hose with a suspended bend to the funnel of the inlet combination. This will create a water lock to prevent smells coming from the drain pipe.

When the tank heats up water drips from the inlet combination funnel.

# E

## Connecting tank

- N.B. 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 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 fibre 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.

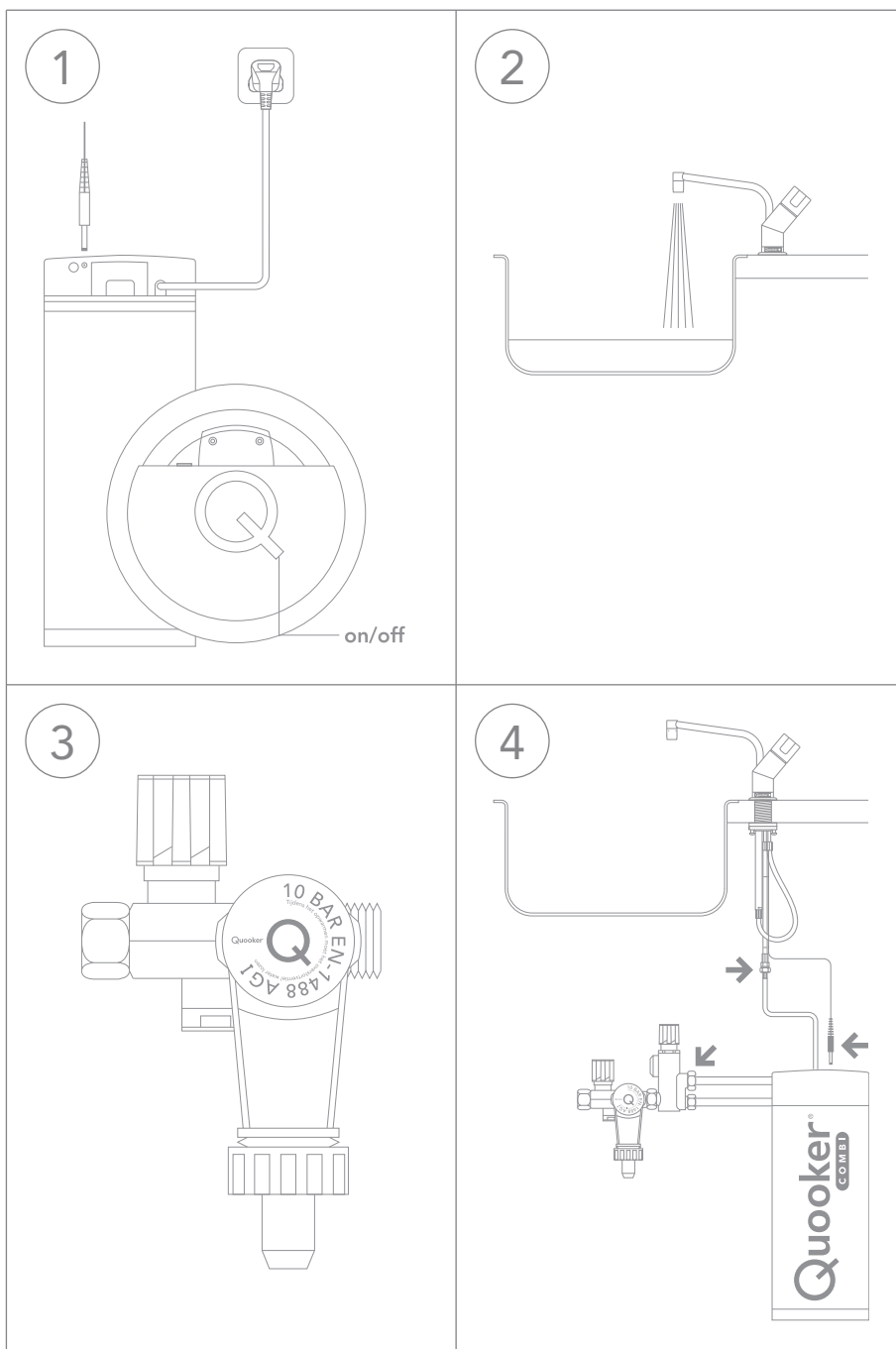
### 4 Electrical connection

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.



### 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 drain

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](http://www.quooker.co.uk)