



User manual  
**HYPRO WATER**



## Document information

### Safety notes

#### **WARNING!**

Information marked with the word **WARNING** warns of a dangerous situation that can lead to death or serious injury.

---

#### **CAUTION!**

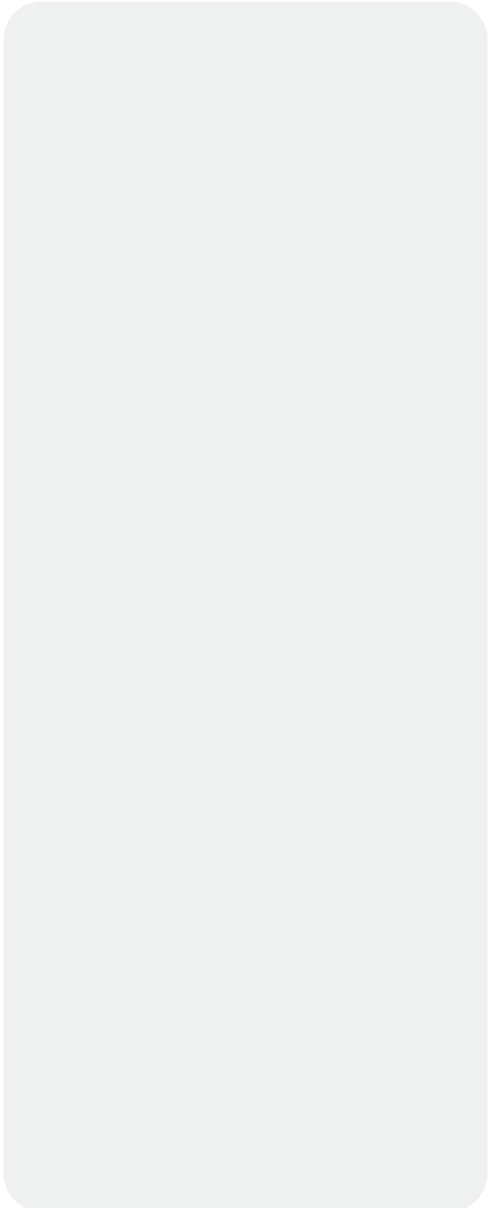
Information marked with the word **CAUTION** warns of a dangerous situation that can lead to minor or moderate injury.

---

#### **ATTENTION!**

Information marked with the word **ATTENTION** warns of a situation that can lead to damage to property or the environment.

---



## Table of contents

<b>1.</b>	<b>Safety information</b> . . . . .	<b>4</b>
1.1	Intended use . . . . .	4
1.2	User . . . . .	4
1.3	General safety notes . . . . .	5
1.4	Safety equipment . . . . .	6
<b>2.</b>	<b>Product information</b> . . . . .	<b>7</b>
2.1	Function principle . . . . .	7
2.2	Product overview . . . . .	7
2.3	Scope of supply . . . . .	9
2.4	Technical data . . . . .	10
2.5	HYPRO WATER app . . . . .	10
<b>3.</b>	<b>Installation</b> . . . . .	<b>11</b>
3.1	Requirements applicable to the installation site . . . . .	11
3.2	Unpacking the device . . . . .	12
3.3	Preparing for installation. . . . .	12
3.4	Installation variants . . . . .	14
3.5	Mounting the wall bracket. . . . .	15
3.6	Hose connections . . . . .	16
3.7	Executing installation variant 1. . . . .	17
3.8	Executing installation variant 2. . . . .	21
3.9	Executing installation variant 3. . . . .	26
3.10	Executing installation variant 4 . . . . .	31
3.11	Inserting the filter . . . . .	35
3.12	Commissioning . . . . .	37
3.13	Checks after commissioning. . . . .	39
3.14	Handover to the operator. . . . .	39
<b>4.</b>	<b>Use</b> . . . . .	<b>40</b>
<b>5.</b>	<b>Cleaning and disinfection</b> . . . . .	<b>41</b>
<b>6.</b>	<b>Inspection and maintenance</b> . . . . .	<b>42</b>
6.1	Annual inspections . . . . .	42
6.2	Changing the filter . . . . .	42
<b>7.</b>	<b>Troubleshooting</b> . . . . .	<b>44</b>
<b>8.</b>	<b>Disassembly</b> . . . . .	<b>46</b>
<b>9.</b>	<b>Disposal.</b> . . . . .	<b>47</b>
9.1	Disposing of the packaging . . . . .	47
9.2	Disposing of used filters. . . . .	47
9.3	Disposing of the device . . . . .	47
<b>10.</b>	<b>Annex</b> . . . . .	<b>48</b>
10.1	Customer service centre contact details. . . . .	48
10.2	Privacy policy . . . . .	48
10.3	Patents . . . . .	48
10.4	TÜV certificate. . . . .	48
10.5	Spare parts . . . . .	48
10.6	Circuit diagram . . . . .	48
10.7	General information . . . . .	49
10.8	NSF/ANSI . . . . .	49
10.9	NSF performance data . . . . .	50
10.10	CE Declaration of Conformity . . . . .	51
10.11	FCC/ISED . . . . .	52

# 1. Safety information

## 1.1 Intended use

The device is intended for:

- Filtering and disinfecting drinking water.
- Use with cold water.
  - ➔ "2.4 Technical data" (page 10).
- Mounting on the wall bracket.
- Private use (installation variants 1 to 4).
- Commercial use if the following preconditions are satisfied:
  - Installation variant 1 or 2 only.
  - With use of the T-piece as a backflow preventer.
    - ➔ "3.4 Installation variants" (page 14).

The device is not intended for:

- Water inflowing from rainwater cisterns, ponds, etc. Inflowing water must originate from a public supply.
  - ➔ "10.7 General information" (page 49).
- The device is not intended for continuous operation.
- The device must not lie horizontal or at an angle.
- The device is not intended for commercial use with installation variant 3 or 4.
  - ➔ "3.4 Installation variants" (page 14).

Use of the device is only permitted:

- After reading and observing this user manual.
- In a technically faultless and unmodified condition.
- With the use of new original accessories.
- After correct installation and checks.
- In enclosed rooms.

Any other use is non-intended use.

## 1.2 User

Requirements applicable to the user:

- Knowledge of this user manual.
- Experience of using mechanical tools.

Special requirements apply to the following users:

- Children from 8 years.
- Persons with impaired physical, sensory or mental abilities.
- Persons who lack knowledge and experience.

These users shall only use the device as described in the chapter "Use".

➔ "4. Use" (page 40).

Special requirements:

- Users are supervised.
- Users are instructed on safe use of the device.
- Users understand the dangers associated with the device.
- Children must not play with the device.
- Children must not undertake cleaning or maintenance unsupervised.



### 1.3 General safety notes

#### WARNING!

##### **Danger due to a failure to observe the user manual!**

This user manual contains important information for safe use of the device. Possible dangers are specifically highlighted. A failure to observe these can lead to injuries.

- Read the user manual carefully.
- Store the user manual in an accessible location.
- Observe the safety notes in this user manual.

- 
- Store the film and other parts of the packaging such that they are inaccessible to children.
  - Make sure that installation complies with the local laws and regulations.
  - Tighten the connections with a max. torque of 3 Nm an.

The device is powered by electricity. This results in a risk of electric shock.

- Make sure that the electrical connection is protected with an RCD (max. 30 mA).
- Never submerge the device in water or other liquids.
- Never take hold of the power plug with wet hands.
- Always hold the power plug by the plug enclosure.
- Do not pull on the mains cable.
- Never carry the device by the mains cable.
- Do not bend the cable.
- Do not crush the cable.
- Make sure that the cable does not come into contact with heat.
- Make sure that the cable does not come into contact with sharp edges.
- Make sure that the cable does not pose a risk of tripping.

The device generates UV radiation internally, which can cause damage in direct contact with the eyes or skin.

- Never open the enclosure.
- Do not look into the UV LEDs. Only check that the UV LEDs are working indirectly, by means of the status LEDs on the device and the HYPRO app.



The components in the device (e.g. UV LEDs or battery) must be replaced by the manufacturer exclusively.

Used hoses must not be reused.

Used filters must not be regenerated or reused.

Use of the device is prohibited in the following cases:

- If the device or individual components are damaged.
- In case of unauthorised modifications or changes to the device.
- If the device is malfunctioning.

The manufacturer accepts no liability for damages in the following cases:

- With a failure to observe this user manual.
- In case of non-intended use.
- In case of incorrect handling.
- With use of non-original accessories.

Made in Germany.

The device and its installation are subject to the regulations of the Federal Republic of Germany.

#### 1.4 Safety equipment

T-piece (K) with integrated backflow preventer.

- Only use for commercial purposes with installation variants 1 or 2 together with the T-piece (K).
  - ➔ “3.4 Installation variants” (page 14).

## 2. Product information

### 2.1 Function principle

The device filters and disinfects tap water. An activated carbon filter reduces hazardous substances. The UVC light from the UV LEDs destroys pathogens. The device disinfects itself regularly by briefly switching on the UV LEDs.

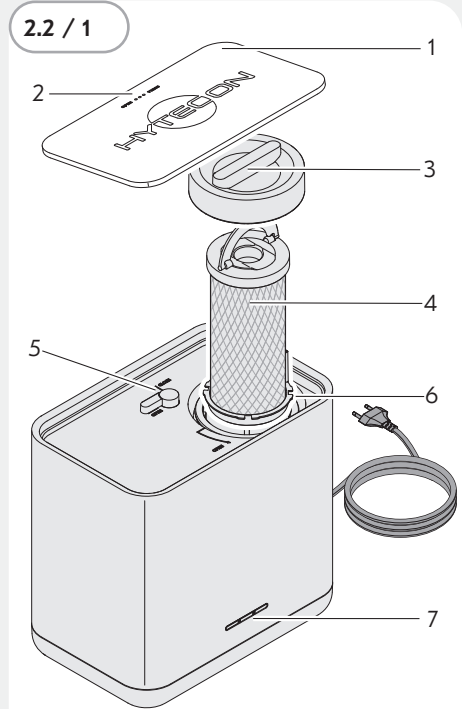
The device cleanses water of:

- Bacteria, viruses and parasites
- Medications and hormones
- Pesticides and herbicides
- Heavy metals
- Chlorine, chloramines and trihalomethanes
- Volatile organic compounds
- Per- and polyfluoroalkyl compounds (e. g. PFOA and PFOS)
- Odorants and flavourings

---

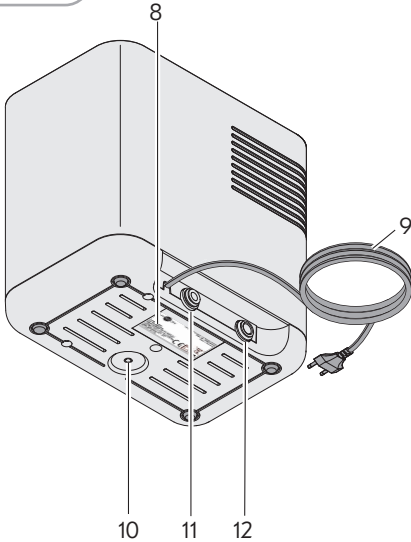
\* Tested and verified by independent laboratories.

### 2.2 Product overview



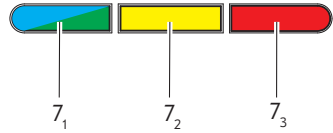
- 1 Device cover
- 2 Pressure point of the device cover
- 3 Screw cap for the filter chamber
- 4 Filter
- 5 Shut-off valve
- 6 Filter chamber
- 7 LED indicator

2.2 / 2



- 8 Data plate
- 9 Mains cable with power plug
- 10 Thread for mounting on the wall bracket
- 11 Water inlet
- 12 Water outlet

2.2 / 3

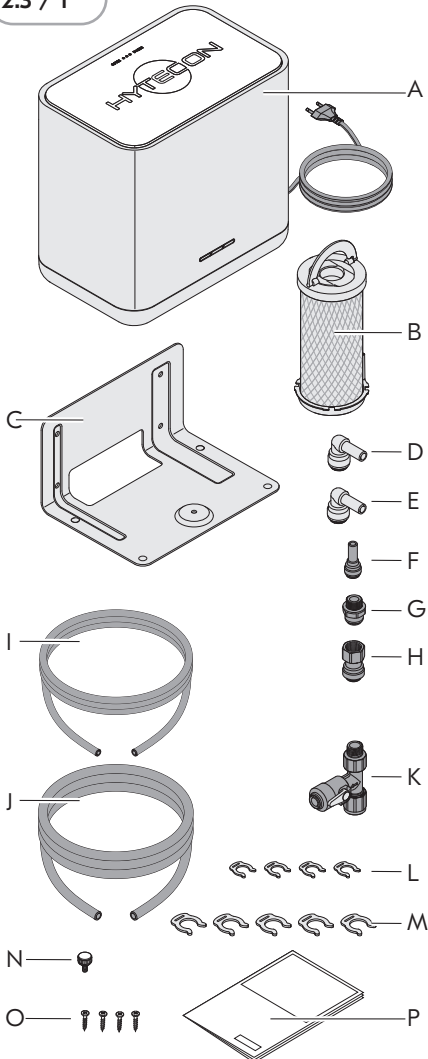


The LED indicator signals the operating statuses of the device to the user.

- |                |  |
|----------------|--|
| 7 <sub>1</sub> | LED lights up green:<br>The device is ready.                                 |
| 7 <sub>1</sub> | LED lights up blue:<br>The device is disinfecting.                           |
| 7 <sub>2</sub> | LED flashes yellow:<br>The device is ready for a WLAN connection.            |
| 7 <sub>2</sub> | LED lights up yellow continuously:<br>The device is connected with the WLAN. |
| 7 <sub>3</sub> | LED lights up or flashes red:<br>Fault or filter change.                     |

## 2.3 Scope of supply

2.3 / 1



- A HYPRO WATER device
- B Filter
- C Wall bracket
- D Angle piece (5/16")
- E Angle piece (3/8")
- F Reducer piece
- G Connection piece (outside thread 3/8")
- H Connection piece (inside thread 3/8")
- I Water inlet hose (5/16")
- J Water discharge hose (3/8")
- K T-piece including shut-off valve
- L 4 safety clips (5/16")
- M 5 safety clips (3/8")
- N Knurled screw
- O 4 screws for mounting on chipboard
- P User manual

## 2.4 Technical data

Supply voltage	110 - 240 VAC/ 41 W/ 50 - 60 Hz
Flow rate*	2.87 l/min
Water temperature	min. 5 °C/ max. 30 °C
Ambient temperature	min. 5 °C/ max. 35 °C
Operating pressure	max. 4 bar/400 kPa
Ingress protection	IP x1
Width	249.5 mm
Depth	161 mm
Height	235 mm
Empty weight	3.6 kg
Weight with water	4.5 kg
Filter capacity	2000 l
Filter change	4 months
WLAN	WLAN 802.11 b/g/n

\* Varies depending on the filter type used, the operating pressure and particle load.

## 2.5 HYPRO WATER app

The HYPRO app must be downloaded from an app store, in order to connect the device to a smartphone or tablet.

System requirements:

- Smartphone or tablet (Android version 5.0 or more recent).
- Smartphone or tablet (iOS version 8.0 or more recent).

Android



iOS



You can find the app in the respective app store under the name "HYPRO WATER App".

The following information is presented in the app:

- Water consumption
- Device status
- Filter status
- Error messages

It may take a few minutes for the connection to be established and the device to be recognised by the app.

### 3. Installation

#### 3.1 Requirements applicable to the installation site

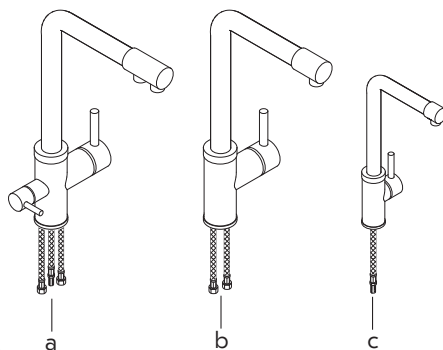
- The installation site must be clean and dry.
- A suitable socket must be available at the installation site. The socket must have been installed and set up by a qualified electrician. The electrical connections must comply with the local regulations. The mains voltage must concur with the voltage specifications on the data plate.
  - ➔ “2.4 Technical data” (page 10).
- Installation above the worktop requires a suitable recess in or behind the worktop through which the mains cable and hoses are routed.
- Select the installation site such that 10 cm remains clear beneath the device for mounting on the wall bracket.
- Select the installation site such that 20 cm remains clear above the device to facilitate a filter change.
- If the device is used with the HYPRO app: A WLAN connection to the internet must be available at the installation site.
- If a boiler is used, this must have been professionally installed.

- The tap at the installation site must have been professionally installed.

Examples:

- a 3-way tap
- b 2-way tap
- c Supplementary tap

#### 3.1 / 1



- Observe the documentation for your water tap.
- 📄 Water tap documentation.

### 3.2 Unpacking the device

#### **ATTENTION!**

##### **Risk of damage due to incorrect handling!**

The device and its surfaces may be damaged during unpacking or transport.

- Do not cut into the protective cardboard packaging.
- Objects that may cause scratches must be held at a distance.

- Unpack the device and all enclosed parts with care.
- Check the device and all enclosed parts for damage.
- Check the scope of supply for completeness.
  - ➔ "2.3 Scope of supply" (page 9).

If parts are damaged or missing:

- Contact your customer service centre.
  - ➔ "10.1 Customer service centre contact details" (page 48).
- Remove the packaging materials.
  - ➔ "9.1 Disposing of the packaging" (page 47).

In individual cases a small amount of water may be present in the device and may leak out due to the manufacturer's quality controlling. This does not impair the quality or function of the device.

### 3.3 Preparing for installation

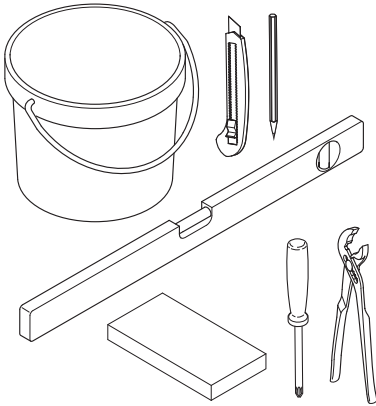
- Before starting installation, make sure the power supply is and remains disconnected.
- Familiarise yourself with the installation situation and the associated documents.
  - User manual.
  - Accessories and their instructions.
- Only use new original accessories.

The user manual presents four possible installation variants of the device.

- Choose the installation variant appropriate in your application case.
  - ➔ "3.4 Installation variants" (page 14).
- Install the HYPRO app.



## 3.3 / 1

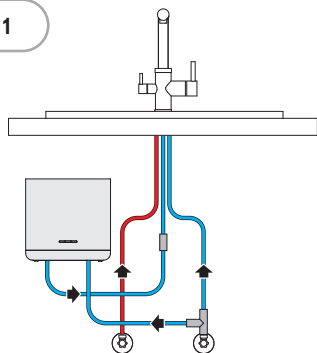


- Assemble the required tools and materials:
  - Bucket
  - Cutter blade
  - Pen
  - Spirit level
  - Screwdriver
  - Pipe wrench
  - Cut-resistant underlay

## 3.4 Installation variants

### Installation variant 1:

3.4 / 1

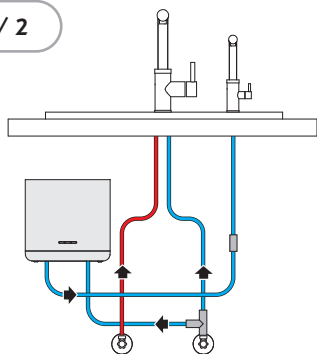


Connection to a 3-way tap.

➔ "3.7 Executing installation variant 1" (page 17).

### Installation variant 2:

3.4 / 2

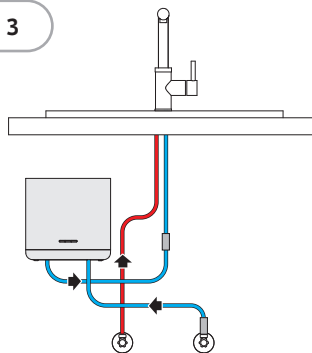


Connection to an auxiliary tap and use of a 2-way tap.

➔ "3.8 Executing installation variant 2" (page 21).

### Installation variant 3:

3.4 / 3

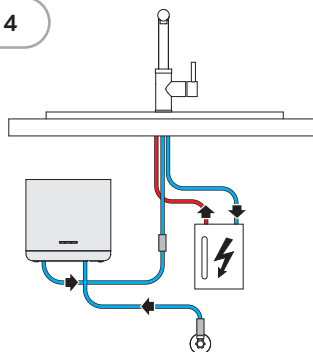


Connection to a 2-way tap.

➔ "3.9 Executing installation variant 3" (page 26).

### Installation variant 4:

3.4 / 4

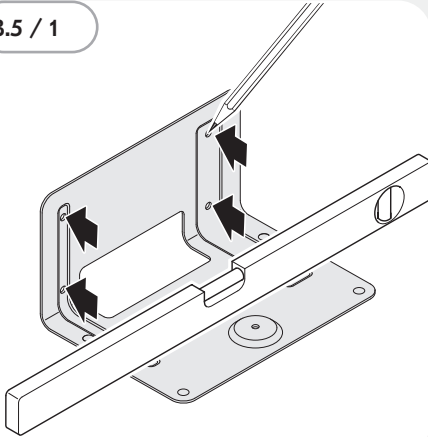


Connection to a 2-way tap and use of a boiler.

➔ "3.10 Executing installation variant 4" (page 31).

## 3.5 Mounting the wall bracket

3.5 / 1



- Choose a suitable position for the wall bracket (C).  
 ➔ "3.1 Requirements applicable to the installation site" (page 11).
- Level the wall bracket (C) with the spirit level.
- Mark the four fastening points.

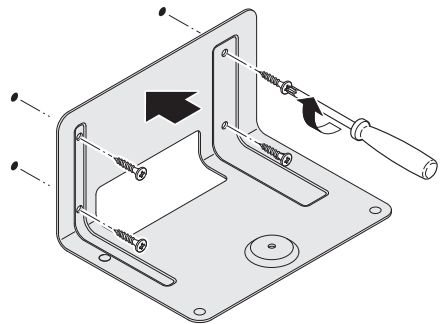
Use fastening materials that are suitable for the installation.

## ⚠ WARNING!

**Danger due to explosion or electric shock!**  
 Drilling into gas, water or electrical lines can result in dangerous situations.

- Make sure no lines are present in the wall at the fastening points.

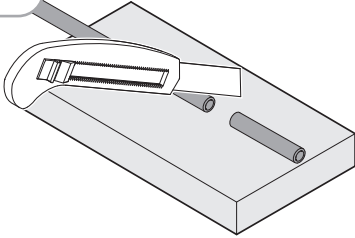
3.5 / 2



- Screw on the wall bracket (C) with the four screws (O).

## 3.6 Hose connections

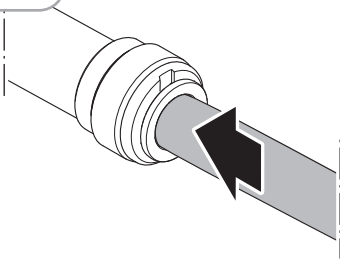
3.6 / 1



Shorten the hose:

- When trimming to size, use a suitable cut-resistant underlay.
- Cut the hose at a right angle, free of burrs.

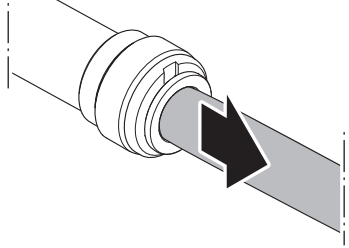
3.6 / 2



Insert the hose:

- Insert the hose until the endpoint is reached. The retainer element secures the hose. Make sure you do not deform the hose.

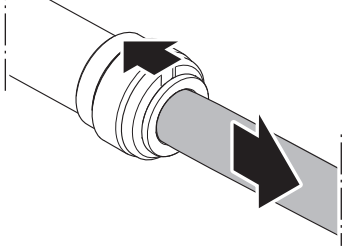
3.6 / 3



Check the connection:

- Check the connection by pulling against it.

3.6 / 4

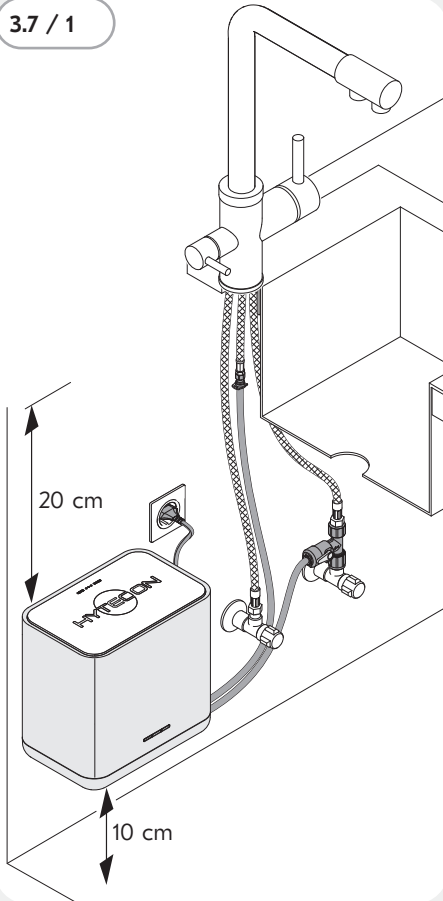


Release the connection:

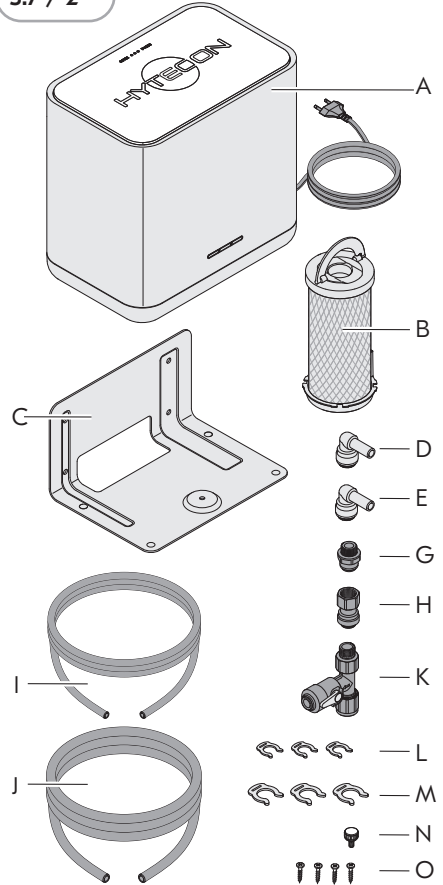
- Check that the system is pressure-free.
- Push back the retaining element with the fingers or with a release aid and hold it firmly.
- Remove the inserted hose.

## 3.7 Executing installation variant 1

3.7 / 1

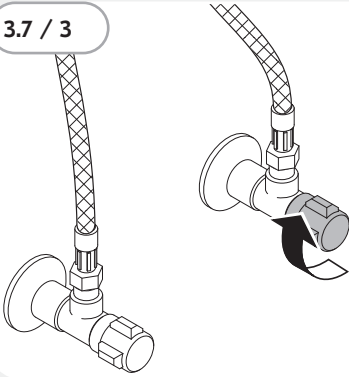


3.7 / 2



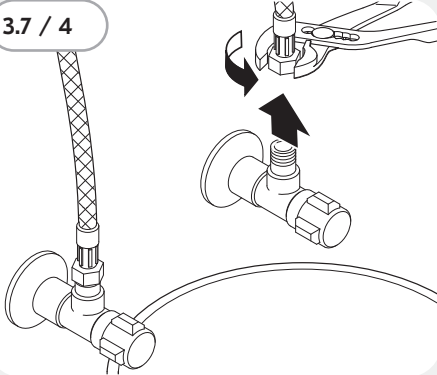
- Assemble the required parts.
  - Connection pieces G and H alternatively, depending on the tap used.

3.7 / 3



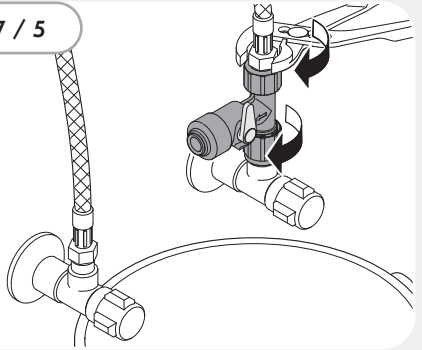
- Turn the angle valve on the cold water pipe to close it.

3.7 / 4



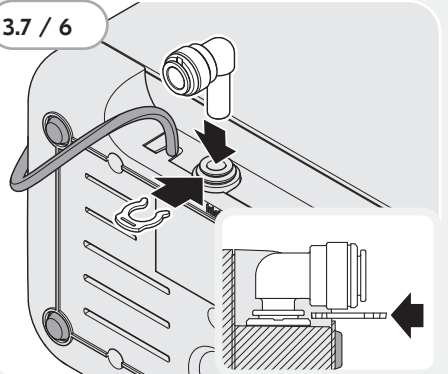
- Place a bucket beneath the angle valve on the cold water pipe.
- Unscrew the cold water connection of the tap from the angle valve.

3.7 / 5



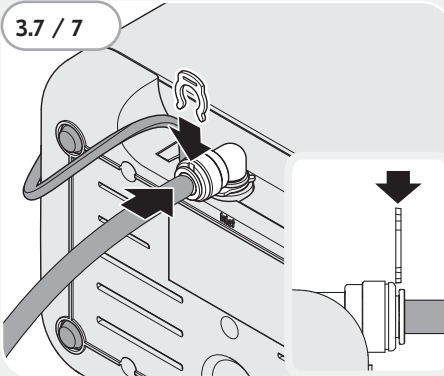
- Screw the T-piece (K) onto the angle valve of the cold water pipe.
- Screw the opposite side of the T-piece (K) to the cold water connection of the tap.
- Make sure that the valve of the T-piece (K) is closed.
- Remove the bucket.

3.7 / 6



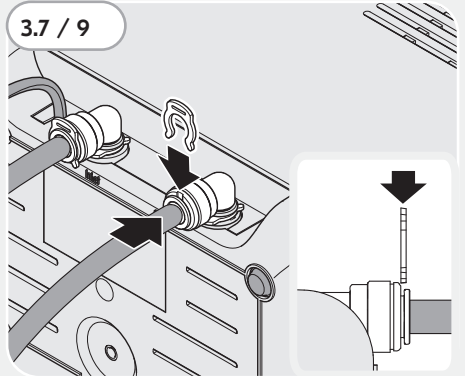
- Insert the angle piece (D) in the water inlet (left) until the endpoint is reached.
- Secure the angle piece (D) with the safety clip (L).

3.7 / 7



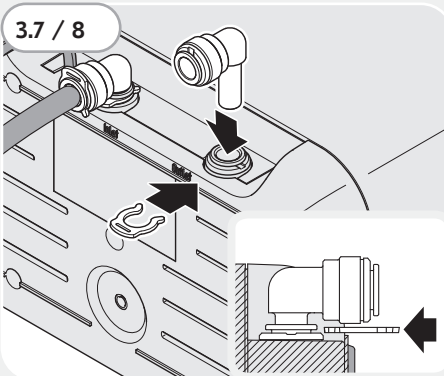
- Insert the hose (I) in the angle piece (D) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

3.7 / 9



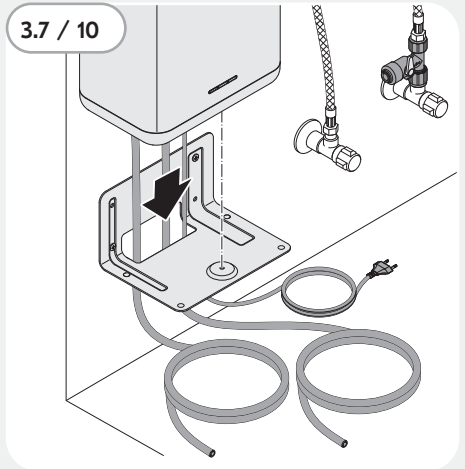
- Insert the hose (J) in the angle piece (E) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

3.7 / 8



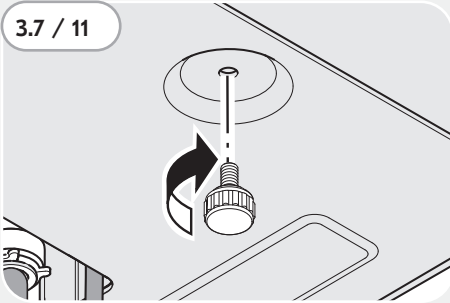
- Insert the angle piece (E) in the water outlet (right) until the endpoint is reached.
- Secure the angle piece (E) with the safety clip (M).

3.7 / 10



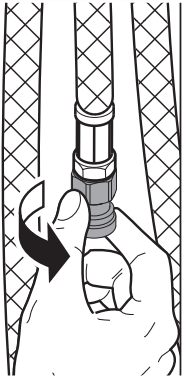
- Guide the mains cable and hoses from above through the cut-out in the wall bracket (C).
- Place the device on the wall bracket (C).

3.7 / 11



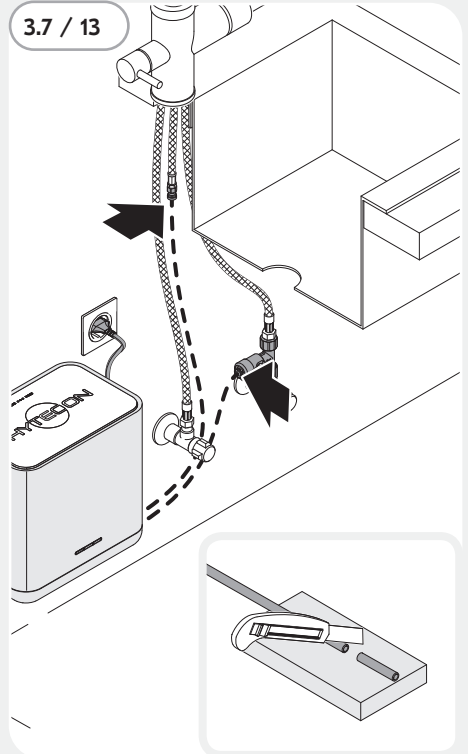
- Screw the knurled screw (N) through the wall bracket (C) into the device from below.

3.7 / 12



- Screw the connection piece (H) or (G) onto the tap for disinfected water by hand.

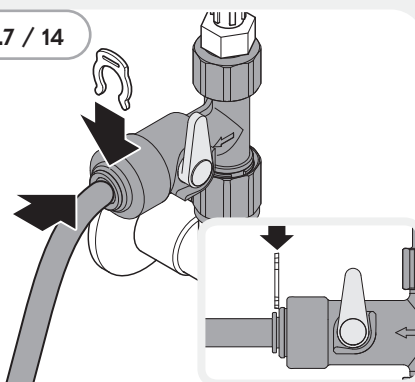
3.7 / 13



- Guide both hoses from the device to the connection piece (H) and T-piece (K) respectively.
- Mark the respective hose length required.
- Shorten both hoses to the required lengths. Make sure the hoses are trimmed straight.

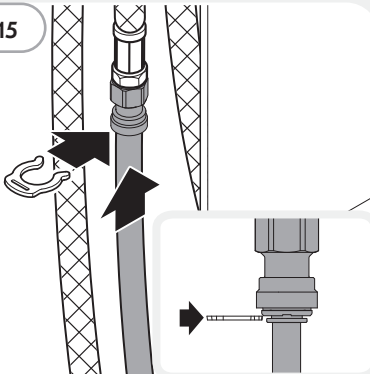


3.7 / 14



- Insert the hose (I) in the T-piece (K) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

3.7 / 15

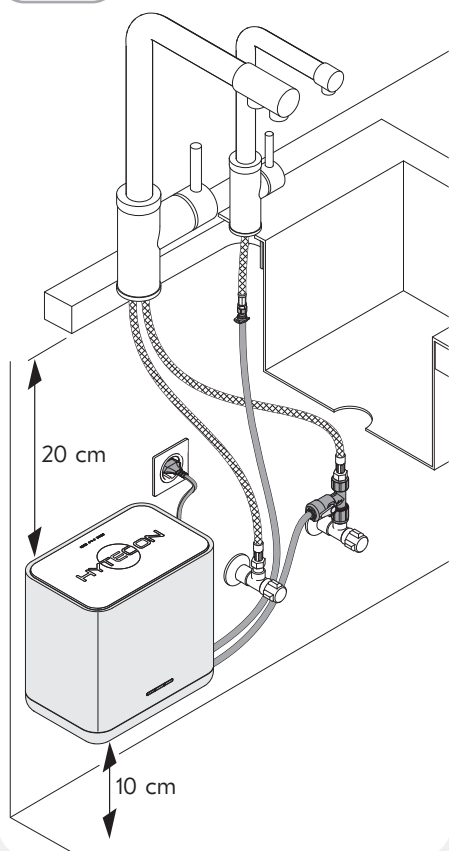


- Insert the hose (J) in the connection piece (H) or (G) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

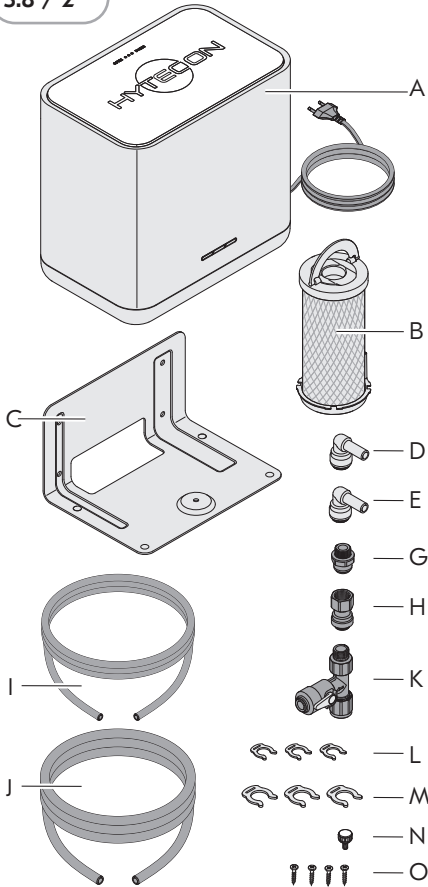
Continue with chapter "Inserting the filter".  
 ➔ "3.11 Inserting the filter" (page 35).

## 3.8 Executing installation variant 2

3.8 / 1

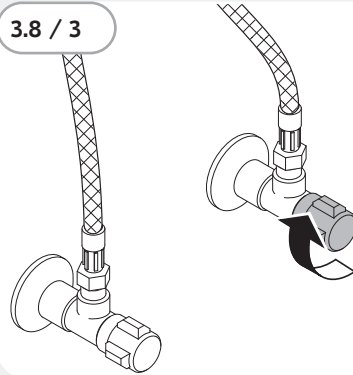


3.8 / 2



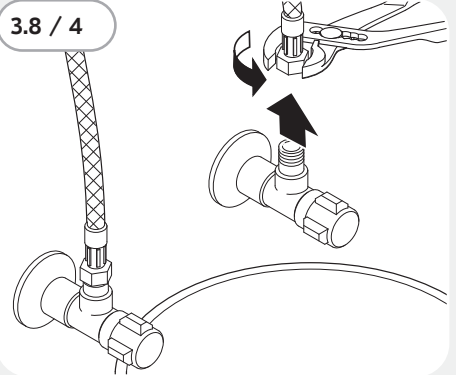
- Assemble the required parts.
  - Connection pieces G and H alternatively, depending on the tap used.

3.8 / 3



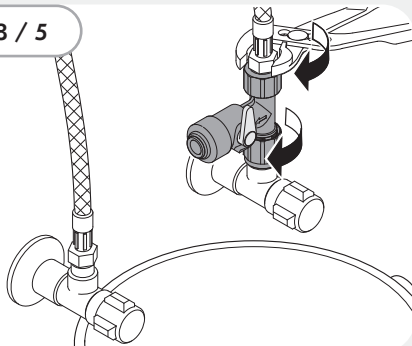
- Turn the angle valve on the cold water pipe to close it.

3.8 / 4



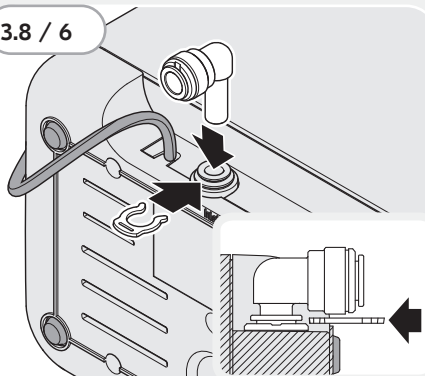
- Place a bucket beneath the angle valve on the cold water pipe.
- Unscrew the cold water connection of the tap from the angle valve.

3.8 / 5



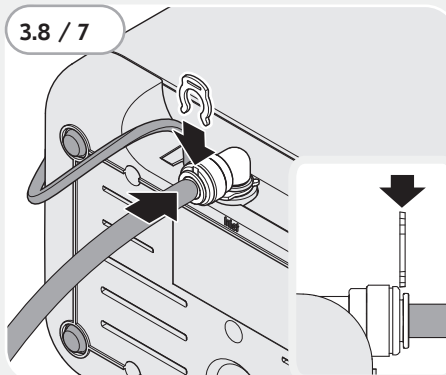
- Screw the T-piece (K) onto the angle valve of the cold water pipe.
- Screw the opposite side of the T-piece (K) to the cold water connection of the tap.
- Make sure that the valve of the T-piece (K) is closed.
- Remove the bucket.

3.8 / 6



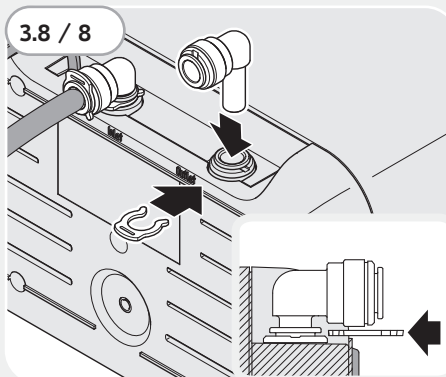
- Insert the angle piece (D) in the water inlet (left) until the endpoint is reached.
- Secure the angle piece (D) with the safety clip (L).

3.8 / 7



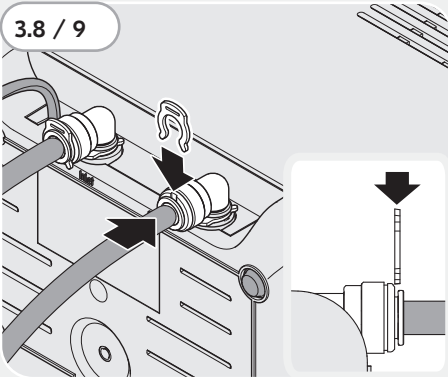
- Insert the hose (I) in the angle piece (D) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

3.8 / 8



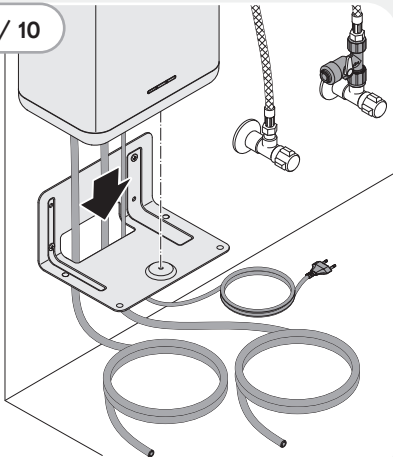
- Insert the angle piece (E) in the water outlet (right) until the endpoint is reached.
- Secure the angle piece (E) with the safety clip (M).

3.8 / 9



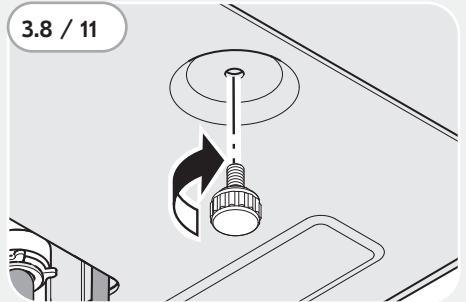
- Insert the hose (J) in the angle piece (E) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

3.8 / 10



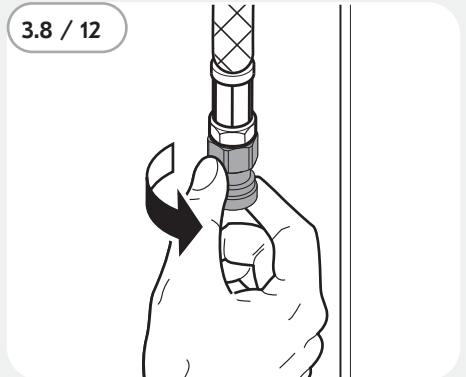
- Guide the mains cable and hoses from above through the cut-out in the wall bracket (C).
- Place the device on the wall bracket (C).

3.8 / 11

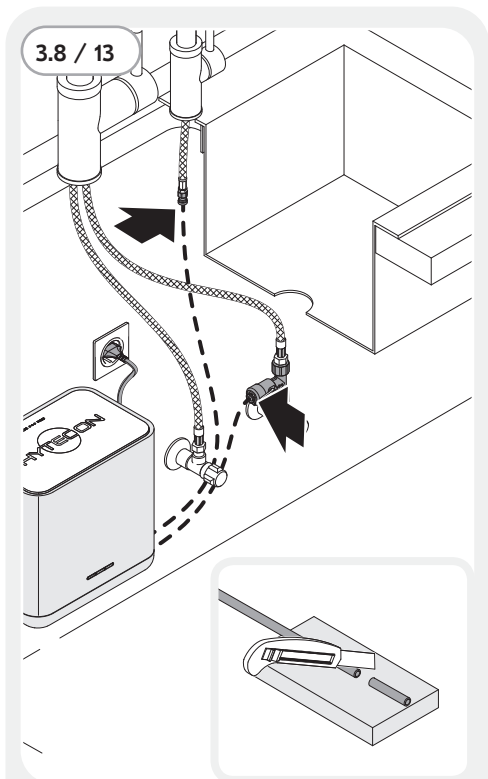


- Screw the knurled screw (N) through the wall bracket (C) into the device from below.

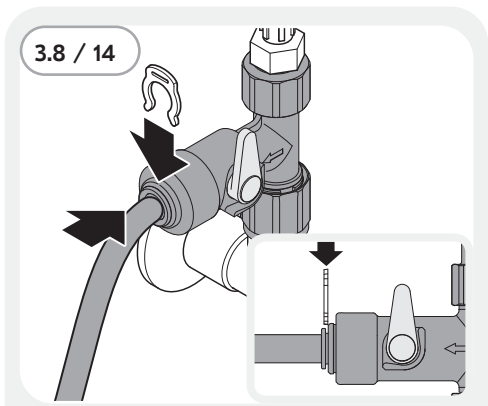
3.8 / 12



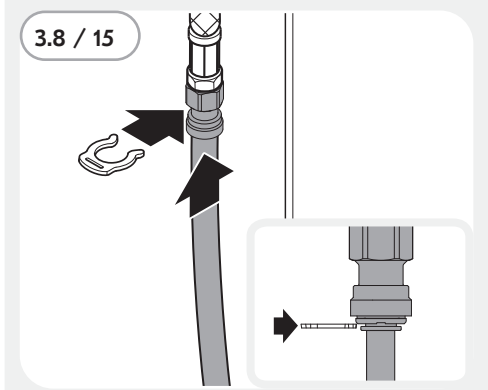
- Screw the connection piece (H) or (G) onto the tap for disinfected water by hand.



- Guide both hoses from the device to the connection piece (H) and T-piece (K) respectively.
- Mark the respective hose length required.
- Shorten both hoses to the required lengths. Make sure the hoses are trimmed straight.



- Insert the hose (I) in the T-piece (K) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).



- Insert the hose (J) in the connection piece (H) or (G) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

Continue with chapter "Inserting the filter".  
 ➔ "3.11 Inserting the filter" (page 35).

### 3.9 Executing installation variant 3

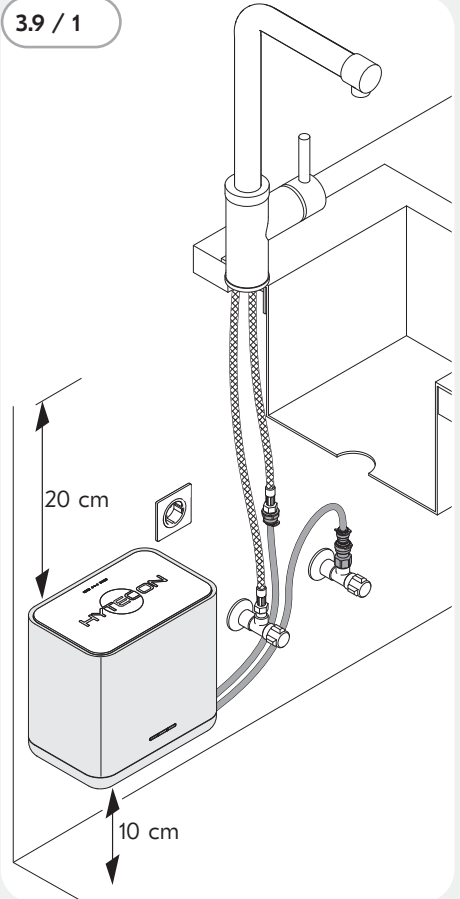
#### **⚠ ATTENTION!**

**Non-disinfected hot water if connected to a 2-way tap without boiler!**

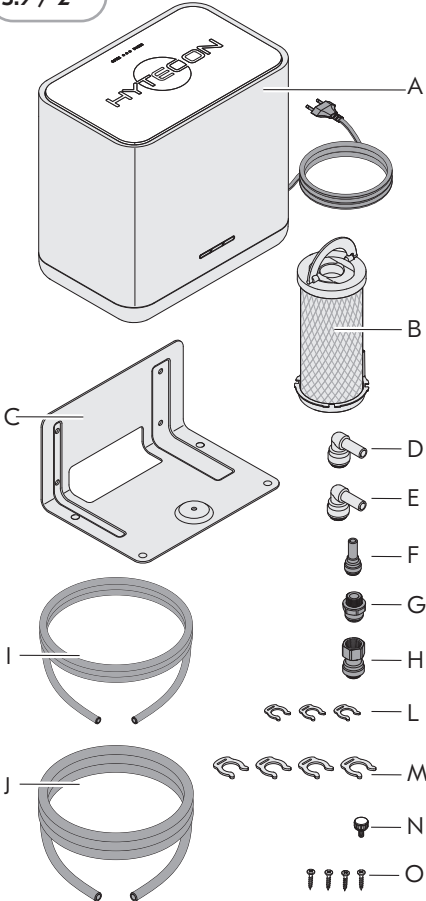
Hot water cannot be disinfected.

- To draw off disinfected water when connected to a 2-way tap without a boiler, make sure that the mixer tap is fully in the cold position.

3.9 / 1

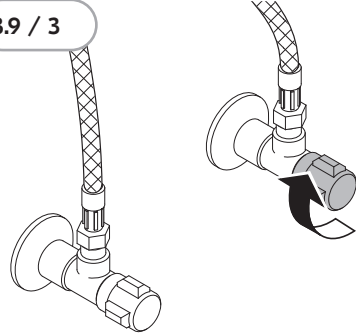


3.9 / 2



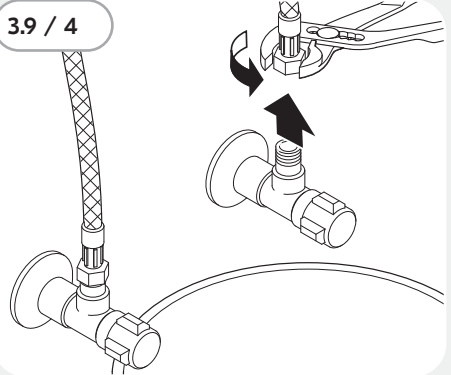
- Assemble the required parts.

3.9 / 3



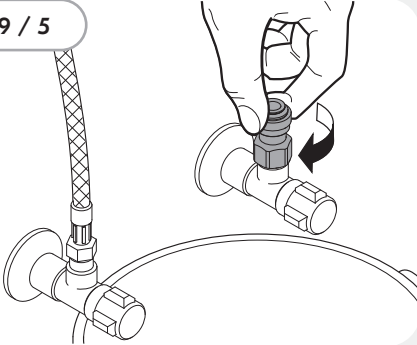
- Turn the angle valve on the cold water pipe to close it.

3.9 / 4



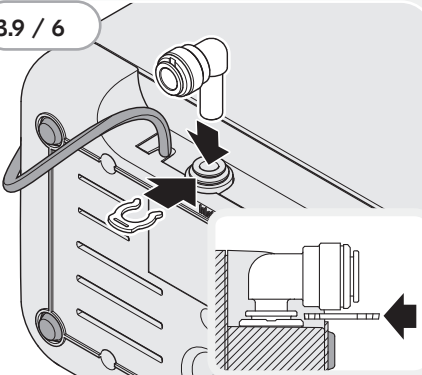
- Place a bucket beneath the angle valve on the cold water pipe.
- Unscrew the cold water connection of the tap from the angle valve.

3.9 / 5



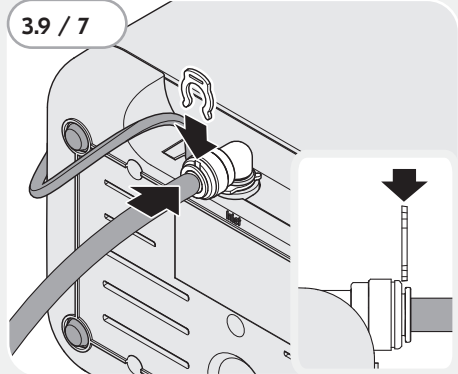
- Screw the connection piece (H) onto the angle valve of the cold water pipe by hand.
- Remove the bucket.

3.9 / 6



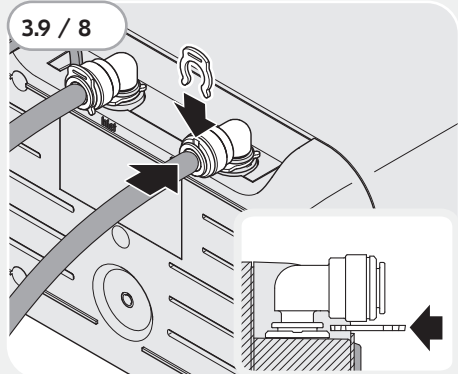
- Insert the angle piece (D) in the water inlet (left) until the endpoint is reached.
- Secure the angle piece (D) with the safety clip (L).

3.9 / 7



- Insert the hose (I) in the angle piece (D) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

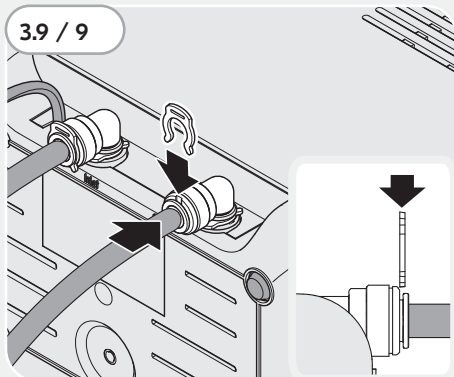
3.9 / 8



- Insert the angle piece (E) in the water outlet (right) until the endpoint is reached.
- Secure the angle piece (E) with the safety clip (M).

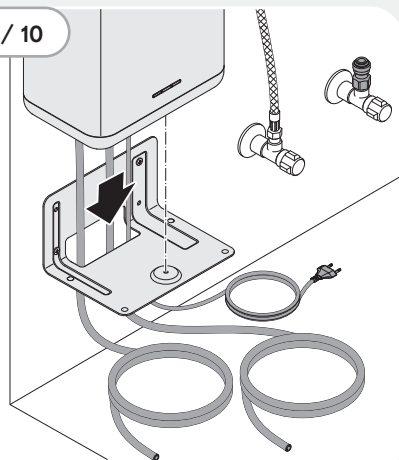


3.9 / 9



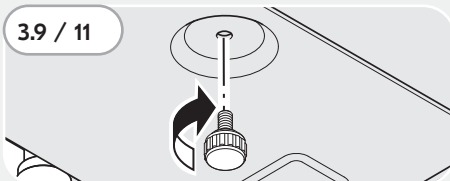
- Insert the hose (J) in the angle piece (E) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

3.9 / 10



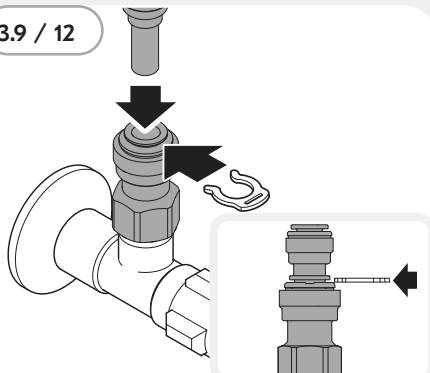
- Guide the mains cable and hoses from above through the cut-out in the wall bracket (C).
- Place the device on the wall bracket (C).

3.9 / 11



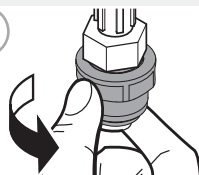
- Screw the knurled screw (N) through the wall bracket (C) into the device from below.

3.9 / 12



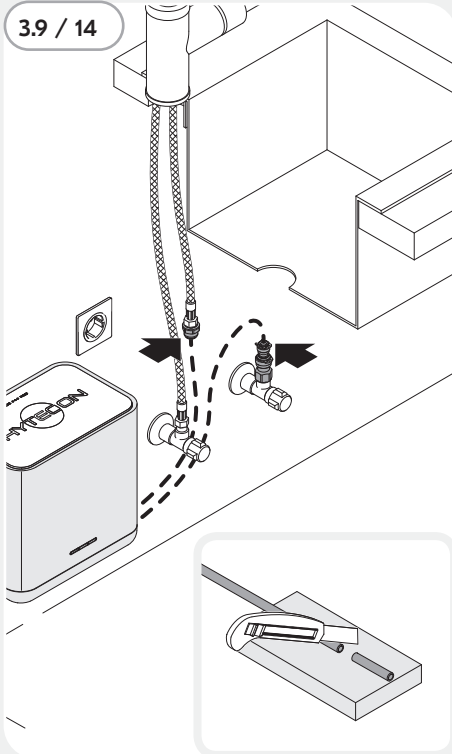
- Slide the reducer piece (F) into the connection piece (H) until the endpoint is reached.
- Secure the reducer piece (F) with the safety clip (M).

3.9 / 13



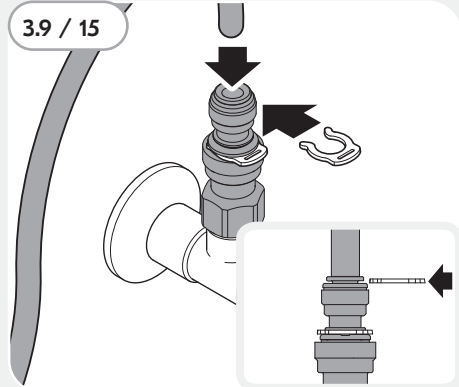
- Screw the connection piece (G) onto the tap connection for cold water by hand.

3.9 / 14



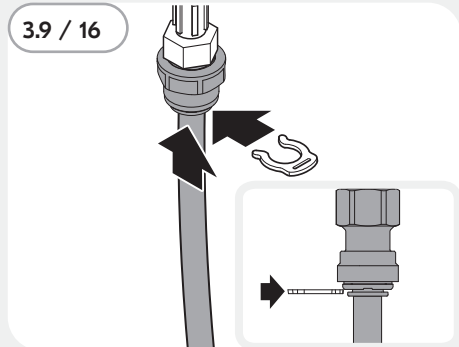
- Guide both hoses from the device to the connection piece (G) and reducer piece (F) respectively.
- Mark the respective hose length required.
- Shorten both hoses to the required lengths. Make sure the hoses are trimmed straight.

3.9 / 15



- Insert the hose (I) in the reducer piece (F) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

3.9 / 16

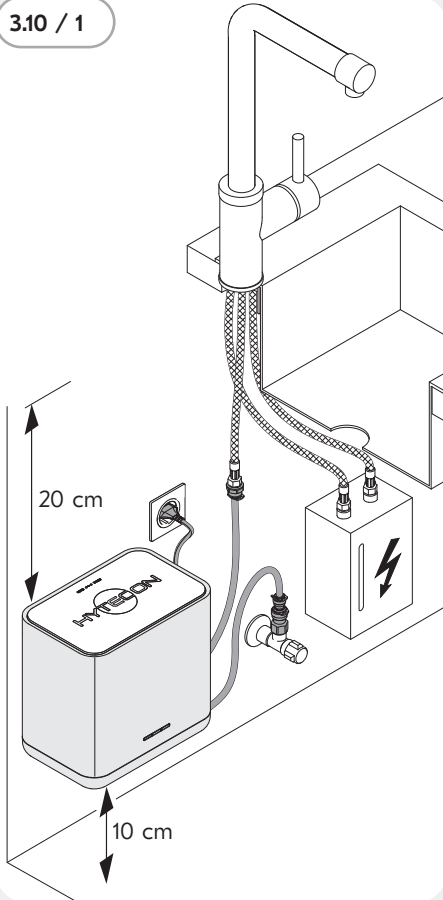


- Insert the hose (J) in the connection piece (G) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

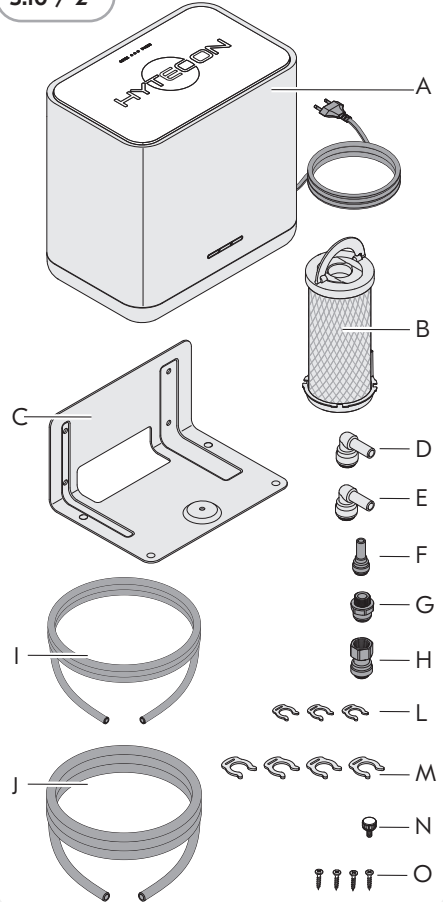
Continue with chapter "Inserting the filter".  
➔ "3.11 Inserting the filter" (page 35).

## 3.10 Executing installation variant 4

3.10 / 1



3.10 / 2



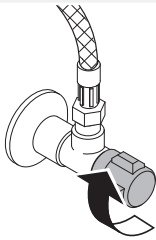
- Assemble the required parts.

## **⚠ ATTENTION!**

### **Danger due to unprofessional installation and handling of the boiler!**

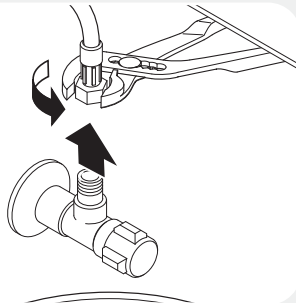
- The boiler must have been professionally installed.
- No modifications are required on the boiler in order to install the HYPRO WATER.

3.10 / 3



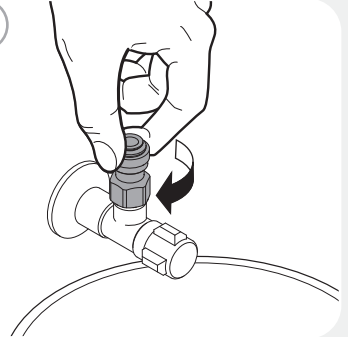
- Turn the angle valve on the cold water pipe to close it.

3.10 / 4



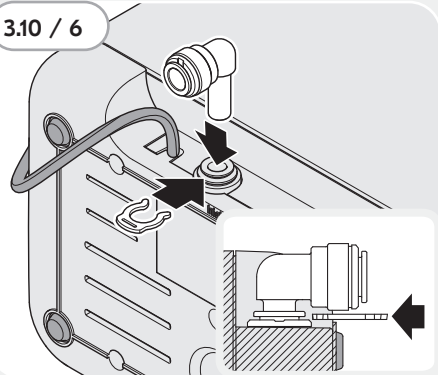
- Place a bucket beneath the angle valve on the cold water pipe.
- Unscrew the cold water connection of the tap from the angle valve.

3.10 / 5



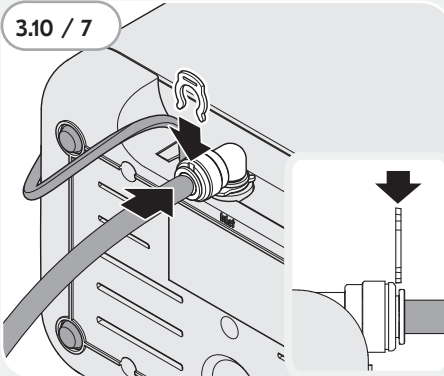
- Screw the connection piece (H) onto the angle valve of the cold water pipe by hand.
- Remove the bucket.

3.10 / 6



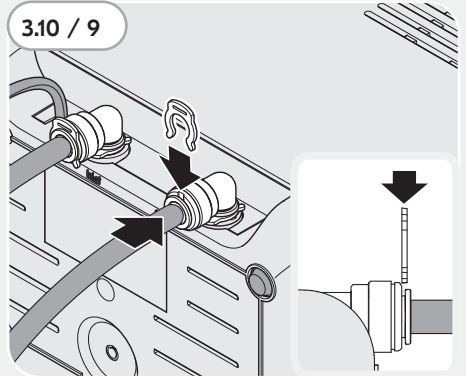
- Insert the angle piece (D) in the water inlet (left) until the endpoint is reached.
- Secure the angle piece (D) with the safety clip (L).

3.10 / 7



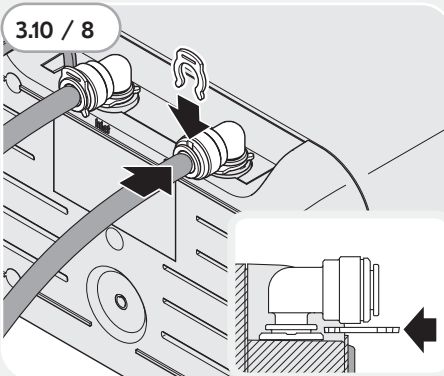
- Insert the hose (I) in the angle piece (D) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

3.10 / 9



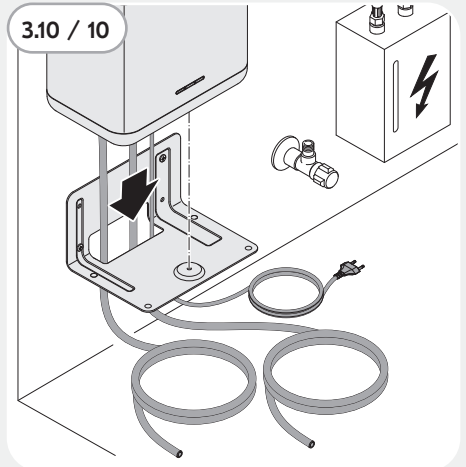
- Insert the hose (J) in the angle piece (E) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

3.10 / 8



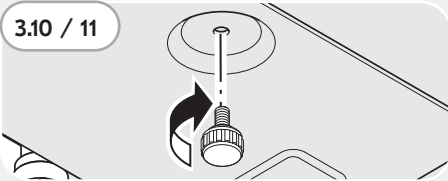
- Insert the angle piece (E) in the water outlet (right) until the endpoint is reached.
- Secure the angle piece (E) with the safety clip (M).

3.10 / 10



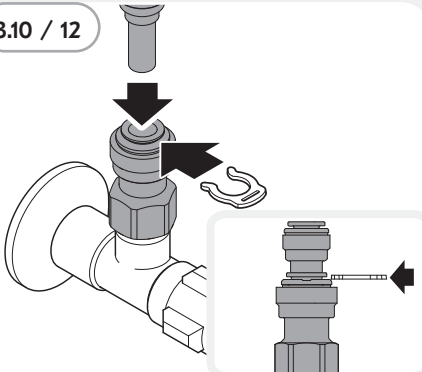
- Guide the mains cable and hoses from above through the cut-out in the wall bracket (C).
- Place the device on the wall bracket (C).

3.10 / 11



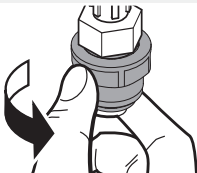
- Screw the knurled screw (N) through the wall bracket (C) into the device from below.

3.10 / 12



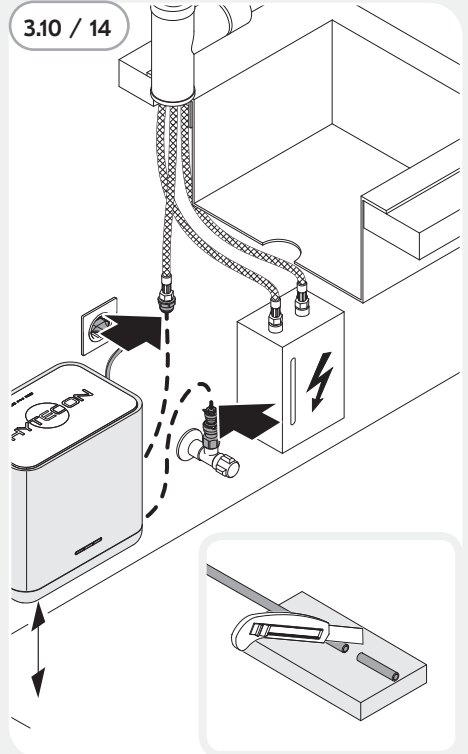
- Slide the reducer piece (F) into the connection piece (H) until the endpoint is reached.
- Secure the reducer piece (F) with the safety clip (M).

3.10 / 13



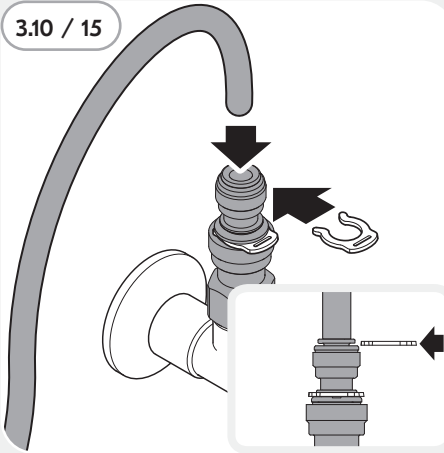
- Screw the connection piece (G) onto the tap connection for cold water by hand.

3.10 / 14



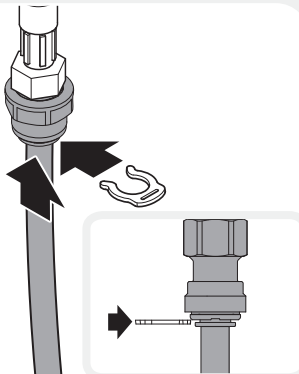
- Guide both hoses from the device to the connection piece (G) and reducer piece (F) respectively.
- Mark the respective hose length required.
- Shorten both hoses to the required lengths. Make sure the hoses are trimmed straight.

3.10 / 15



- Insert the hose (I) in the reducer piece (F) until the endpoint is reached.
- Secure the hose (I) with the safety clip (L).

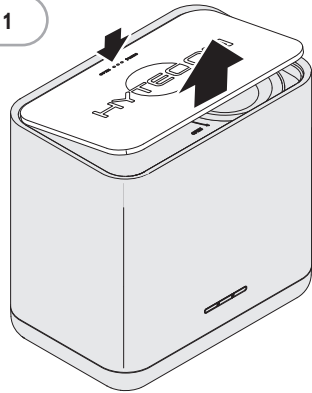
3.10 / 16



- Insert the hose (J) in the connection piece (G) until the endpoint is reached.
- Secure the hose (J) with the safety clip (M).

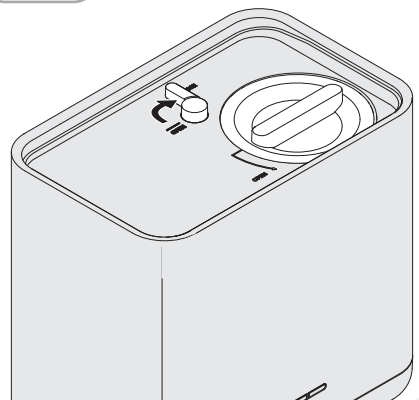
## 3.11 Inserting the filter

3.11 / 1



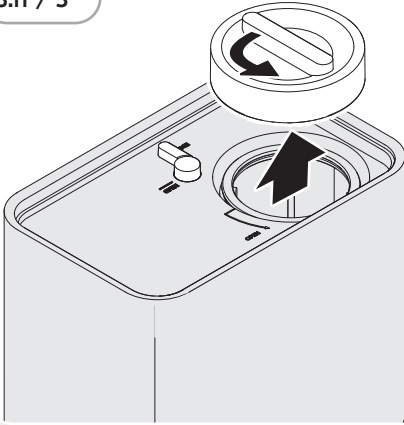
- Take off the device cover. To do so, press down on the pressure point and then reach beneath the edge of the device cover.

3.11 / 2



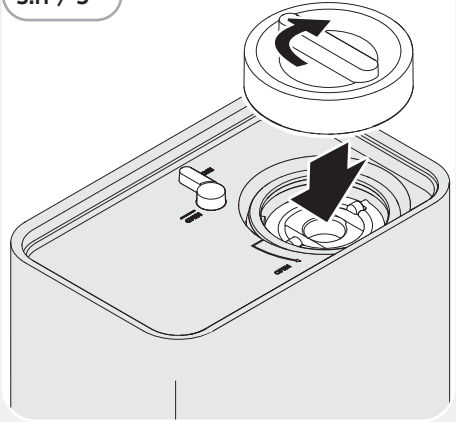
- Turn the shut-off valve into the "CLOSE" position.

3.11 / 3



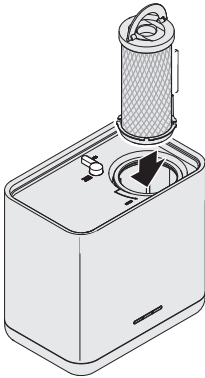
- Open the screw cap off the filter chamber.

3.11 / 5



- Turn the screw cap on the filter chamber until it is fully closed.

3.11 / 4



- Remove the protective film from the filter (B).
- Insert the filter (B).
- Carefully press the filter (B) down until it latches into the device.



## 3.12 Commissioning

3.12 / 1



- Plug the power plug into the socket.

As soon as the power supply has been established, the device opens a hotspot for a period of five minutes. The middle LED flashes yellow at this point. With the help of the HYPRO app it is possible to connect the device with the WLAN.

- Follow the instructions of the HYPRO WATER app.
- ➔ "2.5 HYPRO WATER app" (page 10).

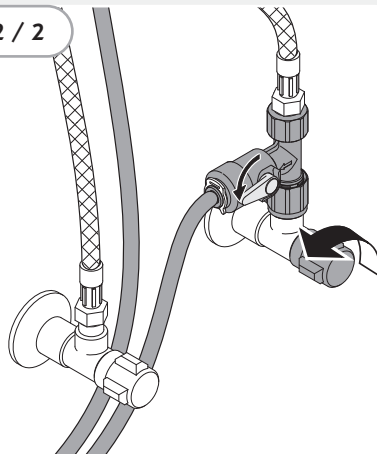
When the device is connected with the WLAN, the middle LED will be constantly lit up yellow.

To search again:

- Unplug the power plug and plug it back in again.
- Wait until the middle LED flashes yellow.

## Installation variants 1 and 2:

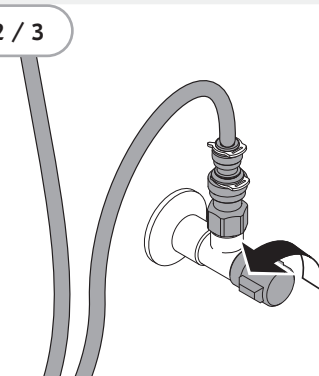
3.12 / 2



- Open the shut-off valve of the T-piece (K).
- Open the angle valve of the cold water pipe.

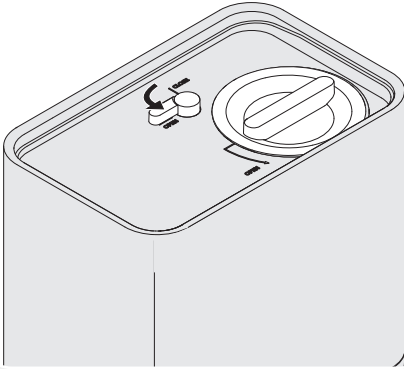
## Installation variants 3 and 4:

3.12 / 3



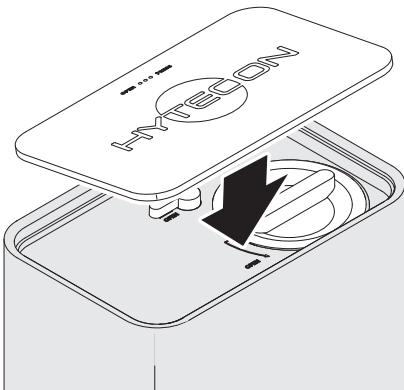
- Open the angle valve of the cold water pipe.

3.12 / 4



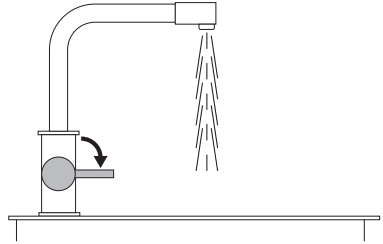
- Open the shut-off valve.

3.12 / 5



- Fit the device cover.

3.12 / 6



After inserting a new filter, small carbon particles may rub off into the water. The particles do not have an adverse effect on personal health.

- Open the disinfected water tap and allow the water to run for around 180 seconds.
- Allow the disinfected water to flow through until no further particles flow out, although for at least 180 seconds.

After installation and first commissioning, check:

- The connection points for any water leaks by way of a visual inspection.

### **3.13 Checks after commissioning**

- Check the connection points for any water leaks by way of a visual inspection.
- Check the device functions.

### **3.14 Handover to the operator**

In case of commercial use, handover of the device to the operator must take place.

- Furnish the operator with the documentation to read in full; this must remain with the device.
- Advise the operator that all persons who work with the device must have read and fully understood the complete documentation.
- Advise the operator that all information in the documentation must be observed.
- Fully train the operator on use of the device.

## 4. Use

### ⚠ ATTENTION!

#### Non-disinfected hot water if connected to a 2-way tap without boiler!

Hot water cannot be disinfected.

- To draw off disinfected water when connected to a 2-way tap without a boiler, make sure that the mixer tap is fully in the cold position.

### ⚠ CAUTION!

#### Impaired quality of the disinfected water!

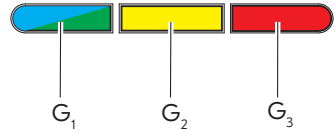
If the device has been disconnected from the power supply for several days, the device will be unable to perform self-cleaning. The quality of the disinfected water may be impaired.

- Allow the disinfected water to run for 180 seconds before using it.

Drawing disinfected water:

- Draw filtered and disinfected water as required.

4 / 1



The LED indicator signals the operating statuses of the device to the user.

G <sub>1</sub>	LED lights up green: The device is ready.
G <sub>1</sub>	LED lights up blue: The device is disinfecting.
G <sub>2</sub>	LED flashes yellow: The device is ready for a WLAN connection.
G <sub>2</sub>	LED lights up yellow continuously: The device is connected with the WLAN.
G <sub>3</sub>	LED lights up or flashes red: Fault or filter change. ➔ "7. Troubleshooting" (page 44).

## 5. Cleaning and disinfection

### Disinfection:

- The device performs self-disinfection for a period of 10 seconds every four hours.
- If the device has been disconnected from the power supply for several days, the device will be unable to perform self-cleaning.
  - Allow the disinfected water to run for 180 seconds before using it

### Cleaning:

- The surfaces of the device must be cleaned every 120 days.
  - Only clean the surfaces of the device with a lint-free cloth, slightly dampened with water.
  - Rub the surfaces of the device with a dry lint-free cloth to dry it.

## 6. Inspection and maintenance

Observe the inspection and maintenance intervals. In case of abnormalities, earlier inspections and maintenance may be expedient.

### 6.1 Annual inspections

- Visually inspect the connections and connection lines for leak-tightness.
- Visually inspect to make sure that no water is able to reach the power cable or power source.
- Visually inspect the mains connection cable to ensure integrity.
- Visually inspect the product for any abnormalities.

### 6.2 Changing the filter

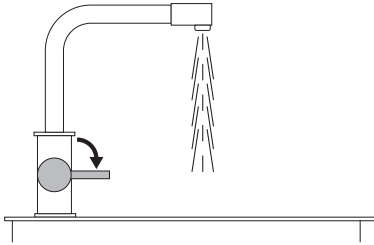
To ensure the device works properly, the filter must be changed as soon as one of the following criteria is satisfied:

- A throughput of 2000 litres is reached.
- A period of 4 months in operation is reached.

The LED will flash red if a filter change is required. If you are using the HYPRO app, the user will be additionally notified of the time point for the filter change.

- Take off the device cover.
  - ➔ "3.11 / 1" (page 35).
- Turn the shut-off valve in the "CLOSE" direction. Never open the screw cap for the filter chamber when pressurised.
  - ➔ "3.11 / 2" (page 35).

6.2 / 1



- Open the tap for disinfected water until no further water flows out of the tap.
- Close the disinfected water tap again to prevent a backflow of water.

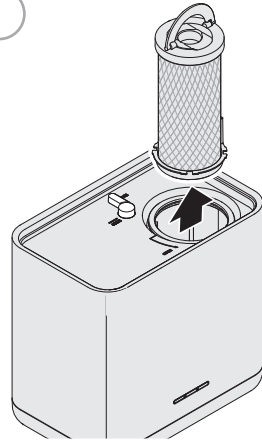
### **⚠ ATTENTION!**

#### **Water leaking out!**

Water can run out when the screw cap is opened and the filter is removed. The leaking water may cause property damage.

- Clean up any leaked water immediately.
- Unscrew the screw cap for the filter chamber.
  - ➔ "3.11 / 3" (page 36).

6.2 / 2



- Pull the used filter out of the device by the handle and remove any leaking water.
- Remove the protective film from the new filter.
- Insert the new filter.
- When inserting the filter, carefully press it down until it latches into the device.
  - ➔ "3.11 / 4" (page 36).
- Turn the screw cap for the filter chamber to close it.
  - ➔ "3.11 / 5" (page 36).
- Turn the shut-off valve in the "OPEN" direction.
  - ➔ "3.12 / 4" (page 38).
- Fit the device cover.
  - ➔ "3.12 / 5" (page 38).
- Open the disinfected water tap and allow the water to run for at least 180 seconds, until particles no longer flow out.
  - ➔ "3.12 / 6" (page 38).

## 7. Troubleshooting

When the red LED flashes or lights up, this means one or more faults are present.

In order to better analyse faults, we recommend installing the HYPRO APP.

Possible faults are described as per the following:

**Description of the fault.**

- Possible cause.
- Remedy.

**The right LED flashes red.**

- No filter in the device.
- Fit an original filter.
- Filter expired.
- Change the filter.
  - ➔ "6.2 Changing the filter" (page 42).

**The right LED lights up red continuously.**

- Device has a fault.
- Unplug the power plug.
- Wait for 15 seconds.
- Put the device back into operation.
- Open the disinfected water tap and allow the water to run for at least 180 seconds.

If the fault persists:

- Consult the HYPRO app for further details.
- Contact the customer service centre.

**The left LED does not light up blue, although water is flowing.**

- Device has a fault.
- Unplug the power plug.
- Wait for 15 seconds.
- Put the device back into operation.
- Open the disinfected water tap and allow the water to run for at least 180 seconds.

If the fault persists:

- Consult the HYPRO app for further details.
- Contact the customer service centre.

**The middle LED flashes yellow for longer than 5 minutes.**

- The device is registered in the app but is not connected with the WLAN.
- Make sure the device is able to receive the signal from the WLAN router.

**No water flows out of the drinking water tap.**

- The shut-off valve on the T-piece (K) has not been opened.
- Open the shut-off valve of the T-piece (K).
  - ➔ "3.12 / 2" (page 37).
- Incorrect handling.
- Check that the installation has been carried out correctly, in accordance with the user manual.
- Check that the water connections and disinfected water tap are open.
- Check that the power plug is plugged in.



If the fault persists:

- Turn the shut-off valve in the "CLOSE" direction with the tap open.
  - ➔ "3.11 / 2" (page 35).
- Turn the shut-off valve in the "OPEN" direction with the tap open.
  - ➔ "3.12 / 4" (page 38).

Take-off quantity < 2.87 l/min

- Take-off quantity varies depending on the type of filter used.
- Line pressure insufficient.
- Get in touch with your installer.
- Filter expired.
- Change the filter.
  - ➔ "6.2 Changing the filter" (page 42).

Water leaking from the device.

- Hose connections incorrectly installed.
- Check the hose connections and safety clips.
- Screw cap for the filter chamber incorrectly closed.
- Check whether the screw cap for the filter chamber is fully closed.

If the fault persists:

- Close the angle valve of the cold water pipe.
- Get in touch with your installer.

The screw cap for the filter chamber does not release.

- The pressure in the device has not been relieved.
- Relieve the pressure in the device. Turn the shut-off valve in the "CLOSE" direction.
  - ➔ "3.11 / 2" (page 35).
- Open the tap for disinfected water until no further water flows out of the tap.
- Close the disinfected water tap again to prevent a backflow of water.

If you are unable to remedy a fault:

- Contact the customer service centre.

## 8. Disassembly

Disassembling the device once it has reached the end of its service life:

- Disconnect the power plug from the socket.
- Collect leaking water in a bucket.
- Turn the angle valve of the cold water pipe to close it.
- Turn the shut-off valve in the "CLOSE" direction
- Open the tap for disinfected water until no further water flows out.
- Close the disinfected water tap again.
- Pull out the reducer piece (F).
- Unscrew the T-piece (K) or the connection piece (H) from the drinking water tap.
- Unscrew the knurled screw (N) at the bottom and remove from the wall bracket (C).
- Remove the device.
- Disassemble the wall bracket (C).

## 9. Disposal

### 9.1 Disposing of the packaging

#### ATTENTION!

##### **Danger of environmental damage due to incorrect disposal of the packaging!**

- Do not dispose of the packaging with normal household waste.
- When disposing of the packaging, ensure appropriate and environmentally-friendly reuse (recycling).
- Store the packaging such that it is inaccessible to children.

The packaging materials are selected with consideration to environmental compatibility and are manufactured from recyclable materials. The packaging materials can be returned to the raw materials cycle after use. Valuable raw materials can be saved in this way.

- Separate the packaging into material types to ensure environmentally-friendly disposal.



### 9.2 Disposing of used filters

The used adsorption material must not be regenerated or reused.

- Dispose of used filters with residual waste.

### 9.3 Disposing of the device

#### ATTENTION!

##### **Danger of environmental damage due to incorrect disposal of the device!**

The device must not be disposed of with household waste.

- Do not dispose of the device with normal household waste at the end of its service life.
- Ask your town or municipal administration about the possibilities of appropriate and environmentally-friendly reuse (recycling) or disposal of the device (electronic waste).

The device contains a CR 2032 Li-Mn dioxide/organic electrolyte battery.

- Render the device unusable after disassembly.
- Dispose of the device and the battery in accordance with the legal requirements via a specialist disposal company or your municipal waste disposal facility.



## 10. Annex

### 10.1 Customer service centre contact details

If you have any suggestions or questions:

Internet: [www.hytecon.com](http://www.hytecon.com)

Address: HYTECON Entwicklung  
und Produktion GmbH  
Oststraße 68  
32051 Herford  
Germany

E-mail: [info@hytecon.com](mailto:info@hytecon.com)  
Telephone: +49 5221 28400 - 0

### 10.2 Privacy policy

You can view the privacy policy at:  
[www.hytecon.com](http://www.hytecon.com)

### 10.3 Patents

This product is protected by the following patents:

- U.S. Patent US 10,377,644 B2
- U.S. Patent US 10,570,030 B2
- AU. Patent AU 2020201676B2

### 10.4 TÜV certificate



### 10.5 Spare parts

The spare parts can be ordered in the online shop at [www.hytecon.com](http://www.hytecon.com).

### 10.6 Circuit diagram

(110 VAC - 240 VAC)



### 10.7 General information

This Class B device complies with the NSF/ANSI 55 standard for the additional bactericidal treatment of disinfected public drinking water or other drinking water that has been tested and approved for human consumption by the appropriate regional or municipal health authorities.

This system has been developed only for the reduction of usually present, non-pathogenic and harmless microorganisms. Class B systems are not intended for the treatment of contaminated water.

These systems must not be used with water that is microbiologically unsafe or of unknown quality without adequate disinfection having been carried out before or after the system.

### 10.8 NSF/ANSI

Compounds certified under NSF/ANSI 401 are incidental contaminants that have been detected in drinking water supplies at trace levels. These compounds can affect the public perception of drinking water quality. This Class B system or component conforms to NSF/ANSI 55 for the supplemental bactericidal treatment disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is only designed to reduce normally occurring nonpathogenic nuisance microorganisms. Class B systems are not intended for treatment of contaminated water.

- Refer to the NSF performance data for details on which individual contaminants to remove.
  - ➔ "10.9 NSF performance data" (page 50).



Tested and Certified by NSF International  
 against NSF/ANSI Standards  
 42, 53, 401, and 55  
 for the reduction of the claims  
 specified on the Performance Data Sheet.

## 10.9 NSF performance data

### NSF Performance Data for the HYPRO WATER Filter System

Model	Replacement	Rated capacity	Operating pressure	Water temperature	Flow rate
HYPRO Water	201001	2,000 l	4 bar/0.4 MPa	5° C - 30° C	2.87 l/min
HYTECON AG, Brunnhalde 10, 6006 Luzern, Switzerland					

This system has been tested according to NSF/ANSI 42, 53 and 401 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53 and 401.



Tested and Certified by NSF International against NSF/ANSI Standards 42, 53, 401, and 69 for the reduction of the above specified on the Performance Data Sheet.

Substance	Influent Challenge Concentration	Reduction Requirements/Max. Permissible Product Water Concentration	% Reduction
NSF/ANSI 42 Aesthetic Effects			
Chlorine Taste and Odor (mg/L as chlorine)	2.0 ± 10 %	≥ 50 %	> 97
NSF/ANSI 53 Health Effects			
Atrazine (µg/L)	9.0 ± 10%	3.0	> 94
NSF/ANSI 401 Emerging compounds/Incidental Contaminants			
Bisphenol A (ng/L)	2,000 ± 20%	300	> 99
Estrone (ng/L)	140 ± 20%	20	> 96
Ibuprofen (ng/L)	400 ± 20%	60	> 95
Naproxen (ng/L)	140 ± 20%	20	> 96
Nonylphenol (ng/L)	1,400 ± 20%	200	> 96
Phenytoin (ng/L)	200 ± 20%	30	> 95

## 10.10 CE Declaration of Conformity



### Declaration of conformity

We hereby declare on our own responsibility that the design of the device

HYPRO Water UV-LED drinking water filter

in the version which we have placed on the market,  
complies with the relevant harmonisation legislation of the European Union:

2014/53/EU

2011/65/EU

Harmonised standards applied are in particular:

ETSI EN 300 330 V2.1.1 (2017-02)

ETSI EN 300 328 V2.1.1 (2016-11)

ETSI EN 301 489-1 V2.1.1 (2017-02)

ETSI EN 301 489-3 V1.6.1 (2013-08)

DIN EN IEC 63000:2019-05

Technical documentation:

HYTECON AG  
Brunnhalde 10  
CH -6006 Luzern



Luzern, 01.10.2020



Maximilian Klink  
Managing Director

## 10.11 FCC/ISED

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.



