



Installation and Operating Instructions

Electric Instantaneous Water Heater

Tronic Excellence

TR8501i 18 DESOAB | TR8501i 27 DESOAB

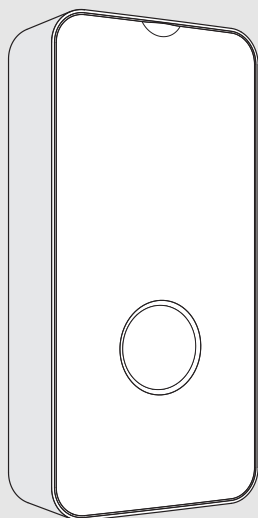


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1 Explanation of symbols and safety instructions

1.1 Explanation of symbols

Warnings

In warnings, signal words at the beginning of a warning are used to indicate the type and seriousness of the ensuing risk if measures for minimising danger are not taken.

The following signal words are defined and can be used in this document:



DANGER

DANGER indicates that severe or life-threatening personal injury will occur.



WARNING

WARNING indicates that severe to life-threatening personal injury may occur.



CAUTION

CAUTION indicates that minor to medium personal injury may occur.

NOTICE

NOTICE indicates that material damage may occur.

Important information



The info symbol indicates important information where there is no risk to people or property.

Additional symbols

Symbol	Meaning
►	a step in an action sequence
→	a reference to a related part in the document
•	a list entry
–	a list entry (second level)

Table 1

1.2 General safety instructions

General description

Read this manual carefully and act accordingly.

- ▶ Before utilisation, please read and keep the user manuals (appliance, etc.).
- ▶ Pay attention to the safety and warning notices.
- ▶ Follow national and regional regulations, technical regulations and guidelines.
- ▶ Please document the works that were carried out.

Use as intended

The appliance is intended for private and domestic use only. The appliance can also be used in non-domestic environments, for example offices, as long as the use is for domestic purposes. Any utilisation other than what is outlined is not permitted.

- ▶ The appliance should be used and assembled as outlined in the text and images. We do not accept any liability for damages that are caused due to the failure to comply with the instructions in this manual.
- ▶ This appliance should be used up to a maximum altitude of 2,000 m above sea level.
- ▶ The appliance must be installed in a room protected from below-zero temperatures.



WARNING

Danger of electric shocks!

In the event of a malfunction or water leak in the appliance,

- ▶ Immediately turn off the electrical supply to the appliance.
- ▶ Turn off the cold water supply to the appliance immediately.

Installation

These installation instructions are for experts specialised in water installations, electrical engineering and heating techniques. All instructions from the manuals must be observed. Failure to comply with these instructions can result in material damage, personal injury and danger to life.

- ▶ Read the installation instructions (heat generator, heating regulator, etc.) before installation (→ chapter 5).
- ▶ Comply with the current legal provisions in the country in which the appliance is installed, and those of the local energy and water supply companies.
- ▶ Install the appliance into a cold-water circuit containing water for human consumption (closed circuit).
- ▶ The installation must only be carried out by an authorised contractor.

- ▶ Always switch off the electric current before opening the appliance.
- ▶ To avoid dangerous situations, repairs and maintenance may only be carried out by an authorised technician.
- ▶ This appliance is of protection class I and **must** be connected to the protective conductor.
- ▶ The appliance must be permanently connected to the electrical installation. **The cross sectional area of the wire must be equivalent to the power to be installed** (→ chapter 10.1).



WARNING

Danger of electric shocks!

The appliance's grounded pipes can make it seem that the appliance is grounded.

- ▶ The appliance must be connected to the protective conductor cable.
- ▶ To guarantee compliance to relevant safety regulations, an all-pole separator must be fitted during installation, according to chapter 10.1. The contact opening must be at least 3 mm.
- ▶ Make sure that the maximum and minimum inlet water pressure is compliant with the value specified by the manufacturer (→ chapter 10.1).
- ▶ Water taps and accessories must have been approved for operation with appliances that function in a closed circuit (under pressure).
- ▶ The temperature of the cold water can be pre-heated with a maximum limit of 55 °C.



WARNING

Risk of scalding!

- ▶ If the appliance uses pre-heated water, the selected or limited temperature can be exceeded. In these cases, use a thermostatic valve to limit the temperature of the pre-heated cold water.
- ▶ The specific electrical resistance of the water cannot be less than 1300 Ωcm. Ask your local water supply supplier to inform you of the electrical resistance level of the water.
- ▶ The appliance is suitable for supplying water to multiple usage points, including water for baths.
- ▶ **Before installing the appliance, make sure that the electrical connection is disconnected and that the water supply is closed.**
- ▶ **Prepare the water connections before the electrical connections.**

- ▶ Make only the openings on the back of the appliance that are required for its installation. If it is a new installation, unused holes must be sealed so as to ensure water tightness.
- ▶ Live parts must not be accessible after the assembly.
- ▶ Do not use abrasive, caustic or alcohol-based cleaning agents.
- ▶ Do not use steam cleaning appliances.

Installation



WARNING

The installation of this appliance shall conform to the Plumbing Code of Australia (PCA).



WARNING

For continued safety of this appliance it must be installed, operated and maintained in accordance with the manufacturer's instructions.



WARNING

This appliance must only be installed in accordance with the acceptable plumbing configurations specified in these instructions. Failure to do so may result in conditions where delivery temperature control is inadequate.



WARNING

This appliance may deliver water at high temperature. Refer to the plumbing code of Australia (PCA), local requirements and installation instructions to determine if additional delivery temperature control is required.

Inspection, cleaning and maintenance

The user is responsible for ensuring the heating system is safe and environmentally compatible.

Missing or inadequate inspection, cleaning and maintenance can lead to bodily injury and up to the danger of death and property damage.

We recommend the signing of a contract for the annual inspection and responsive maintenance with a specialized and authorized contractor.

The work can only be carried out by a specialized and authorized contractor that has to carry out all the work and immediately eliminate the detected faults.

Maintenance

- ▶ Maintenance must only be carried out by an authorised contractor.
- ▶ Always disconnect the appliance from the electric current before carrying out any maintenance work.
- ▶ The user is responsible for the safety and environmental compatibility of the installation and/or maintenance.
- ▶ Only original spare parts should be used.

Safety of appliances with electrical connection for domestic use and similar purposes

To avoid danger due to electrical appliances, in line with AS/NZS 60335.1:2022, the following specifications are valid:

"This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance."

"If the connection cable is damaged, it must be replaced by the manufacturer, its customer service personnel or a similarly qualified person in order to avoid danger."

2 Standards, regulations and directives

Observe all regulations and standards during installation and operation:

- Regulations for the electrical installation and for the connection to the electrical supply network
- Regulations for the electrical installation and for the connection to the remote signalling and wireless network
- National standards and regulations

This water heater must be installed in accordance with:

- Manufacturers Installation Instructions
- AS/NZS 3500.4 "National Plumbing & Drainage Code"
- AS/NZS 3000 "Wiring Rules"
- Municipal Building Codes
- Any other State or Federal Statutory Regulations

3 About the appliance

3.1 Use as intended

The appliance was designed to heat potable water. Please observe all country-specific regulations, guidelines and standards for potable water.

The appliance should only be installed in sanitary installations with a pressurised circuit.

Any other use is non-compliant with its intended use. The manufacturer accepts no responsibility for damages resulting from any non-compliant use.

3.2 Scope of delivery

- Appliance
- Screws (4x)
- Wall plugs (4x)
- Washers (6x)
- Fixing materials
- Jumpers (2x)
- Fittings (2x)
- Extension fittings (2x)
- Plug (2x)
- Cap (2x)
- Tee connector (2x)
- Appliance documentation

3.3 Required tools for installation

- Spirit level.
- 19 and 24 mm open-ended spanner (for connecting the fittings).
- 12 mm Allan key.
- Screwdriver.
- Drill (for wall fixing).

3.4 Appliance accessories

For more information on accessories available for this appliance, please consult the appliance catalogue.

3.5 Dimensions

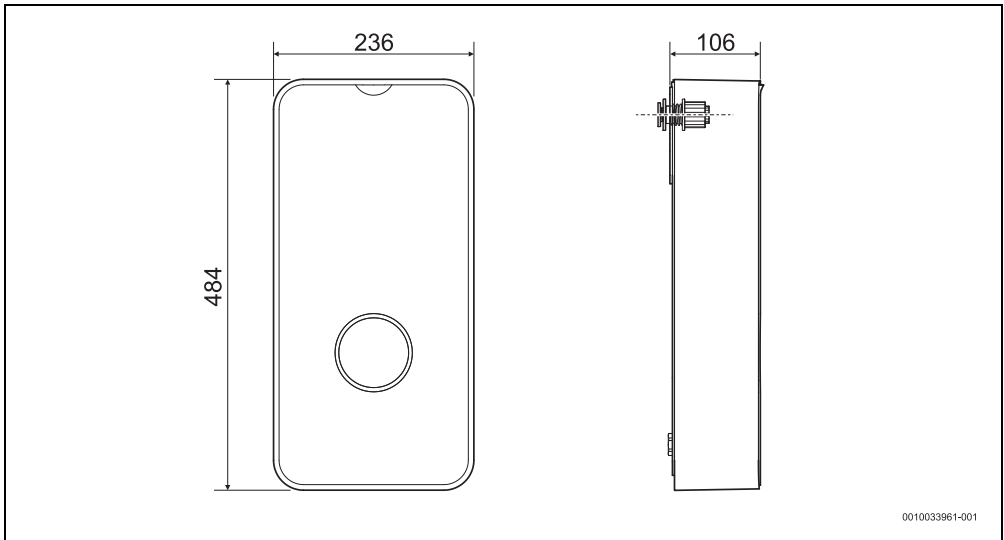


Fig. 1 Appliance dimensions in mm

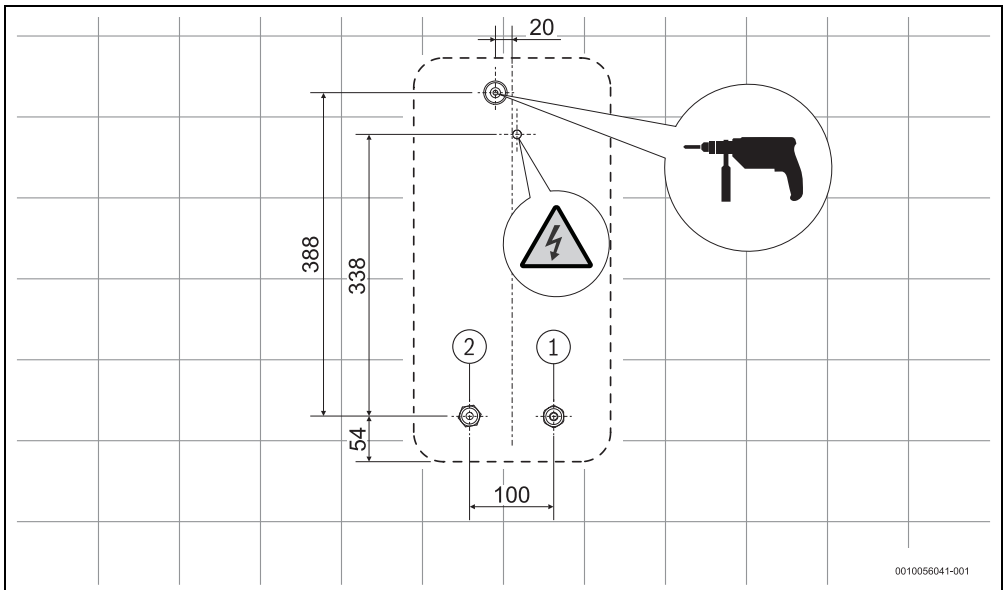


Fig. 2 Installation dimensions in mm

- [1] Cold water Inlet
- [2] Hot water Outlet

3.6 Appliance design

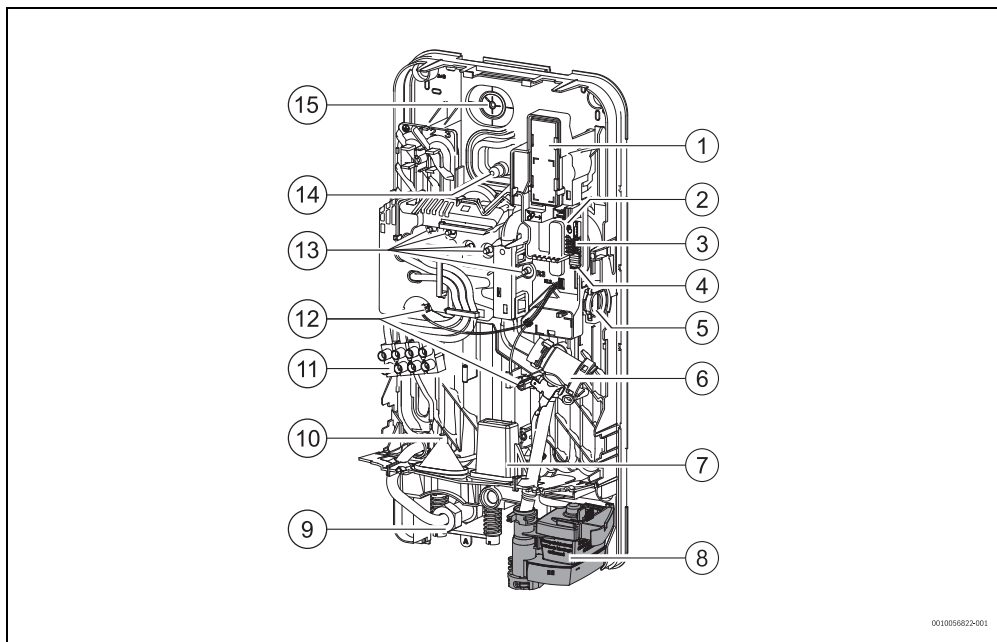


Fig. 3

- [1] Wi-Fi accessory
- [2] Wi-Fi pairing button and LED
- [3] Jumpers (appliance configuration)
- [4] "Restart" button
- [5] Flow sensor
- [6] Water filter and Volumetric flow rate limiter
- [7] Short power cable input
- [8] Aquastop
- [9] Hot water outlet ½"
- [10] Lower power cable entry
- [11] Connection terminal
- [12] Temperature sensors
- [13] Heating element
- [14] Upper power cable entry
- [15] Appliance wall-mounting point

3.7 Transportation and storage

The appliance must be transported and stored in a dry, frost-free location.

When handling,

- ▶ Do not drop the appliance.
- ▶ The appliance should be transported in the original packaging and suitable means of transportation must be used.

- ▶ The appliance must only be removed from the original packaging when it is in the installation location.



Dispose of the polystyrene packaging in accordance with local state and national regulations. For local practice, contact your council or visit recyclemate.com.au.

4 User Instructions

Please read and comply with the detailed safety notices at the beginning of this manual!



The appliance heats the water as it circulates inside it.

4.1 Operating panel

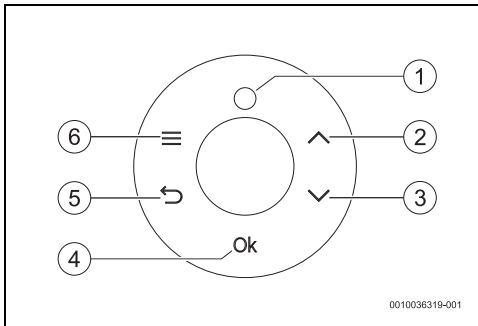


Fig. 4 Operating panel

- [1] Appliance status display - Operating status / Fault symbol
- [2] Increase temperature / Go up key
- [3] Decrease temperature / Go down key
- [4] OK / Confirm key
- [5] Exit menu / Back key
- [6] Main menu key

4.1.1 Display

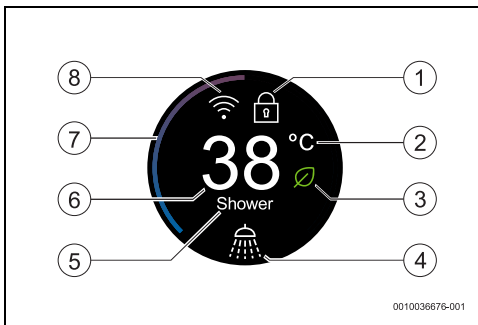


Fig. 5

- [1] Locked
- [2] Temperature scale
- [3] Eco mode
- [4] Symbol for active operating mode
- [5] Information (e.g. Shower Mode)
- [6] Temperature selected
- [7] Power progress bar
- [8] Wi-Fi/Connectivity

4.2 Before commissioning the appliance



CAUTION

Risk of electric shock!

- The initial commissioning of the appliance must be carried out by a qualified expert who will provide the client with all the information required for its proper functioning.

NOTICE

Risk of damage to the appliance!

- Never turn on the appliance if there is no water. This could damage the heating element.

4.3 Switching the appliance on/off

Switching On

- Turn on a hot water tap.
The appliance turns on. The water heats up while it circulates through the appliance.

Switching Off

- Turn off the hot water tap.

4.3.1 LED status display



DOT	Status of the appliance
Off	Appliance in stand-by
White LED	Appliance switched on
White LED and temperature flash (1x per second). The screen shows "Overload".	The appliance is not reaching the set temperature. The appliance has reached the power limit (→ chapter 9).
White LED flashes (2x per second), "Purge" will be shown on the screen.	Automatic vent mode active.
Red LED flashes (1x per second)	Malfunction in the appliance (→ chapter 9).

Table 2

4.4 Temperature control

This appliance has a temperature range for hot water from 20 °C (minimum) to 60 °C (maximum).

To select a hot water temperature from within this range, just:

- Touch the  or  keys and select a hot water temperature between 20 °C and 60 °C.

To avoid unnecessary consumption of water, energy and premature calcification of the appliance,

- Select the desired temperature on the appliance, rather than mixing in cold water at the tap or shower outlet.



The system shall be installed so that the control for setting the water temperature in normal use installed at a shower outlet shall take priority over any other controls in the system that set the water temperature in normal use at other water outlets.



The device offers precise control of the temperature of drinking water, which enables the direct supply to showers. If the device is still operated with a thermostatic tap, the temperature selected on the device must comply with the recommendations of the thermostatic tap manufacturer, or, if this is unclear, a temperature of 50 °C is recommended.

4.4.1 Operating modes

The following temperatures are recommended for Hand washing, Shower, Bath and Washing dishes.





Operating mode		Approximate temperature:
Hand washing		35 °C
Shower		38 °C
Bath		42 °C
Washing dishes		48 °C

Table 3 Operating modes

To select one of the operating modes, see chapter .

4.4.2 Minimum and maximum temperature




Check that the appliance is not limited by a Jumper (→ chapter 5.10.1).

In addition to the indicated operating modes, it is possible to set any other temperature within the range of 20 °C to 60 °C.


Minimum temperature

To obtain the minimum temperature of 20 °C;

- Touch the  key until the minimum temperature is shown on the display.

Maximum temperature

To obtain the maximum temperature of 60 °C;

- Touch the  key until the maximum temperature is shown on the display.



Under certain utilisation conditions and for short periods, the water temperature can be higher than 70 °C. Nonetheless, the hot water pipework can reach high temperatures, with the risk of burns in the event of contact.



CAUTION

Risk of scalding!

Scalding in children, the elderly or adults due to contact with hot water.

- Always check the water temperature by hand.

Temperature	Length of time for scalding to occur	
	Elderly people/ children under 5 years of age	Adults
50 °C	2.5 minutes	more than 5 minutes
52 °C	less than 1 minute	1.5 to 2 minutes
55 °C	Roughly 15 seconds	Roughly 30 seconds
57 °C	Roughly 5 seconds	Roughly 10 seconds
60 °C	Roughly 2.5 seconds	Less than 5 seconds
62 °C	Roughly 1.5 seconds	Less than 3 seconds
65 °C	Roughly 1 second	Roughly 1.5 seconds
68 °C	Less than 1 second	Roughly 1 second

Table 4

4.4.3 Winter operation



In the winter, the cold water temperature may drop to such an extent that the selected temperature is not reached, in which case;

- Reduce the flow rate of the hot water tap, until the desired temperature is obtained.

4.5 Settings/Information menus

Appliance menus

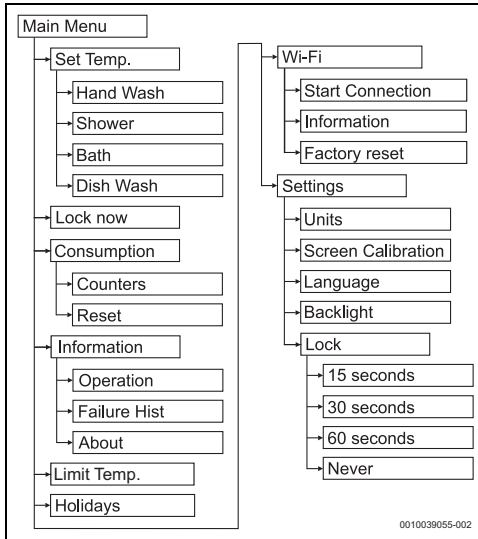


Fig. 6

How to access the settings/information menus,

To access the appliance menus,

- ▶ Press the key.
The display shows some appliance menus.
- ▶ Press the or key to scroll through all the menus.

Appliance menus:

- Set Temperature
- Lock now
- Consumption
- Information
- Safety Temperature
- Holiday
- Wi-Fi
- Settings

4.5.1 Set Temperature Menu

In the Set Temperature menu, you can select the appliance operating mode.

- ▶ Press the key.
- ▶ Press the **OK** key.

- ▶ Press the or key to select the desired operating mode,
 - Wash your hands
 - Shower
 - Bath
 - Wash the dishes
- ▶ Press the **OK** key to confirm.
The mode flashes 1x and returns to the previous menu.

4.5.2 Lock now menu

To avoid unwanted changes to the settings, you can lock the screen in the Lock now menu. Whenever this mode is active, the screen will not respond to any operation.

To lock the screen:

- ▶ Press the key.
- ▶ Press the key to select the Lock now menu.
- ▶ Press the **OK** key to confirm, the mode flashes 1x and returns to the previous menu.
The mode you selected is active.

To unlock the screen:

- ▶ Press the key, and after press the key.

4.5.3 Consumption Menu

In the Consumption menu, you can check the appliance's consumption of energy and water.

- ▶ Press the key.
- ▶ Press the key to select the Consumption menu.
- ▶ Press the **OK** key.
- ▶ Press the or key to select the following menus,
 - Counters
 - Reset

Counters

In the Counters menu, you can check the water and energy consumption.

The appliance is capable of monitoring the total consumption (Total) and the last five water requests (Partial 1-5).

The displayed water volume and energy consumption are calculated from device-specific data and measured values and to enable the customer to make a relative comparison over time for the water and energy consumption. The displayed consumption values represent only an estimate (interpolation). Use for binding billing purposes is not possible.

- ▶ Press the **OK** key, the following information appears on the screen.
 - Total (kW/h and Litres)
 - Partial 1 (kW/h and Litres)
 - Partial 2 (kW/h and Litres)
 - Partial 3 (kW/h and Litres)
 - Partial 4 (kW/h and Litres)
 - Partial 5 (kW/h and Litres)
- ▶ Press the **^** or **v** key to navigate the options,
- ▶ Press the **↩** key until you exit the menu.

Reset

In the Restart menu, you can restart several counters.

- ▶ Press the **OK** key, the following information appears on the screen,
 - Total Reset
 - Partial Reset
- ▶ Press the **^** or **v** key to select one of the menus.
- ▶ Press the **OK** key.
- ▶ Press the **^** or **v** key to select one of the options.
 - No
 - Yes
- ▶ Press the **OK** key to confirm your choice, the option flashes 1x and returns to the previous menu.
The option flashes 1x and returns to the previous menu.
- ▶ Press the **↩** key to exit the menu, if you want to exit without changing the settings.

4.5.4 Information Menu

In the Information menu, you can view some data about the appliance,

- ▶ Press the **≡** key.
- ▶ Press the **v** key to select the Information menu.
- ▶ Press the **OK** key.
- ▶ Press the **^** or **v** key to select the following information menus,
 - Operation
 - Fault History
 - About

Operation

- ▶ Press the **OK** keys to view the following information.
- ▶ Press the **^** or **v** key to select one of the options.
 - Inlet temperature
 - Outlet temperature
 - Flow rate
 - Performance
 - Operation cycles
 - Times

- ▶ Press the **↩** key until you exit the menu.

Fault History

- ▶ Press the **OK** key to view the appliance's last 10 faults.
- ▶ Press the **^** or **v** key to select one of the options.
 - 1.
 - 2.
 - ...
 - 10.
- ▶ Press the **↩** key until you exit the menu.

About

- ▶ Press the **OK** key to view the SW and HW versions for the appliance.
- ▶ Press the **^** or **v** key to select one of the options.
 - SW-M
 - SW-S
 - SW-H
 - ...
- ▶ Press the **↩** key until you exit the menu.

4.5.5 Limit Temperature Menu

The Limit Temperature menu limits the maximum temperature selectable on the device.


When in active mode, the maximum selectable temperature decreases from 55 °C to 42 °C.

- ▶ Press the **≡** key.
- ▶ Press the **^** or **v** key to select the limit temperature menu.
- ▶ Press the **OK** key.
- ▶ Press the **^** or **v** key to select one of the options.
 - 42 °C / 108 °F
 - MAX
- ▶ Press the **OK** key to confirm.
- ▶ Press the **↩** key to exit the menu, if you want to exit without changing the settings.

4.5.6 Holiday Menu

In the Holiday menu, you can activate or deactivate the holiday menu. When this mode is active, the device will not function even when water flow is detected.

- ▶ Press the **≡** key.
- ▶ Press the **^** or **v** key to select the Holiday menu.
- ▶ Press the **OK** key.
- ▶ Press the **^** or **v** key to select one of the options.
 - Activate
 - Deactivate
- ▶ Press the **OK** key to confirm.
The mode flashes 1x and returns to the previous menu.






- ▶ Press the  key to exit the menu, if you want to exit without changing the settings.

4.5.7 Wi-Fi Menu




For more information on how to activate the Wi-Fi module, please check chapter 7.3.


In the Wi-Fi menu, you can activate the device's Wi-Fi connection.

- ▶ Press the  key.
- ▶ Press the  or  key to select the Wi-Fi menu.
- ▶ Press the **OK** key.
- ▶ Press the  or  key to select one of the options.
 - Connect the appliance
 - Information
 - Factory reset


Connect the appliance

- ▶ Press the  key to select Connect the appliance.
- ▶ Press the **OK** key.
The Wi-Fi module activation process has started.

Factory reset





- ▶ Press key  to select Factory Reset.
- ▶ Press the **OK** key.
Turns off the Wi-Fi connections of the appliance.

Information




- ▶ Touch the key  to select Information.
- ▶ Press the **OK** key.
The screen shows the information regarding the Wi-Fi module's IP and MAC addresses.

4.5.8 Settings Menu










In the Settings menu, you can set some parameters for the appliance.

- ▶ Press the  key.
- ▶ Press the  key to select the Settings menu.
- ▶ Press the **OK** key.
- ▶ Press the  or  key to select the following menus,
 - Units
 - Screen Calibration
 - Language
 - Brightness
 - Lock




Units

- ▶ Press the  or  key to select the desired unit,
 - Metric
 - Imperial
- ▶ Press the **OK** key to confirm.
The option flashes 1x and returns to the previous menu.
- ▶ Press the  key to exit the menu, if you want to exit without changing the settings.




Screen Calibration

- ▶ Press the **OK** key to adjust the image on the main display horizontally.
- ▶ Press the  key to move the image to the right.
- ▶ Press the  key to move the image to the left.
- ▶ Press the **OK** key to adjust the image on the main screen vertically.
- ▶ Press the  key to move the image upwards.
- ▶ Press the  key to move the image downwards.
- ▶ Press the **OK** key to adjust the image on the secondary screen horizontally.
- ▶ Press the  key to move the image to the right.
- ▶ Press the  key to move the image to the left.
- ▶ Press the **OK** key to adjust the secondary screen vertically.
- ▶ Press the  key to move the image upwards.
- ▶ Press the  key to move the image downwards.
- ▶ Press the **OK** key to complete screen calibration.
- ▶ Press the  key to exit the menu, if you want to exit without changing the settings.

Language

- ▶ Press the  or  key to select the desired language.
- ▶ Press the **OK** key to confirm.
The mode flashes 1x and returns to the previous menu.
- ▶ Press the  key until you exit the menu, if you want to exit without changing the settings.


Brightness





- ▶ Press the  key to increase the brightness of your display (up to max. 100%).
- ▶ Press the  key to decrease the brightness of your display (down to min. 10%).
- ▶ Press the **OK** key to confirm.
- ▶ Press the  key until you exit the menu, if you want to exit without changing the settings.

Lock

In the Lock menu, you can set the automatic screen lock settings. After locking, the screen stops responding to any operation.

To configure automatic lock settings;

- ▶ Press the  key.

- ▶ Press the  key to select Lock menu.
- ▶ Press the **OK** key.
- ▶ Press the  or  key to select,
 - 15 seconds
 - 30 seconds
 - 60 seconds
 - Never
- ▶ Press the **OK** key to confirm, the mode flashes 1x and returns to the previous menu.
The mode you selected is active.
- ▶ Press the  key to exit the menu, without changing the settings.

To unlock the screen:

- ▶ Press the  key, and after press the  key.


4.6 Pre-heated water (solar support)

The appliance can operate with a pre-heated water supply, for example from a solar panel.

If the water inlet temperature is higher than 30 °C, the text "Solar Mode" appears on the screen.

Whenever the water inlet temperature is higher than the one selected in the appliance, the screen will show the water inlet temperature, while flashing (1x per second).

4.7 Energy Savings (modeECO)

If the appliance is working economically, the ECO  symbol will show on the screen in this case;

- ▶ Reduce the water temperature in the appliance and/or reduce the water flow to the taps.

4.8 Start-up after a power failure

After a power failure,

- ▶ Turn on the hot water tap completely and let the water flow until hot water comes out.

4.9 Start-up after a water supply cut

- ▶ Turn off the appliance's circuit breaker at the electrical cabinet.
- ▶ Turn on a hot water tap and keep it on until the air is completely purged out of the pipework.
- ▶ Turn off the hot water tap.
- ▶ Turn on the appliance circuit breaker at the electrical cabinet.
- ▶ Turn on the hot water tap and let the water flow for at least for a minute.

Only after this operation will it be safe to use the appliance again.

4.10 Cleaning

- ▶ Do not use abrasive or solvent-based cleaning agents, or alcohol-based products.
- ▶ Do not use steam cleaning appliances.
- ▶ Clean the exterior with mild cleaning agents.
- ▶ Clean the remains of dirt or limescale.

4.11 Customer Service

Whenever you contact the Customer Service Hotline, please provide the serial number of the appliance (SNR/TTNR).

The serial number for the appliance can be found on the plate inside of the front cover.

5 Installation (only for specialised and qualified technicians)

5.1 Important information



The installation, electrical connection and the initial commissioning are operations that must be carried out by qualified experts only.



In order to ensure the correct installation and operation of the appliance, please observe all regulations, technical guidelines and applicable national and regional directives.



WARNING

Risk of electric shock!

Before beginning the installation work:

- ▶ Turn off the electric supply at the electrical cabinet.
- ▶ Turn off the cold water supply.



CAUTION

Risk of scalding due to hot water!

If you use preheated water, the temperature of the hot water may exceed the maximum temperature established for the appliance and cause scalding, in which case;

- ▶ Use a thermostatic valve to limit the temperature of the water entering the appliance.

NOTICE

Risk of damage to property!

Risk of irreparable damage to the appliance.

- Only remove the appliance from the packaging when in the installation location.
- Handle the appliance with care.

NOTICE

Risk of damage to property!

Risk of damage to heating elements.

- Carry out the water connections first.
- Carry out the electrical connections, with the circuit breaker turned off, ensuring that it is duly grounded.
- Purge the appliance completely before turning on the residual current device, by turning on the hot water tap completely and let the water circulate in the appliance for 1 minute.

5.1.1 Water temperature limiting device (not supplied with the appliance)



WARNING

Risk of scalding due to hot water!

This appliance delivers water exceeding 50 °C.

- Install a temperature limiting device between the water heater and the hot water outlets in a bathroom or similar usage point.
- Refer to the standard AS3500.4 and PCA 2022 B2D5 and local requirements and installation instructions for additional temperature control requirements.

According to AS3500.4 and PCA 2022 B2D5, is required a installation of a temperature limiting device between the appliance and the hot water outlets in a bathroom or similar usage point, in order to reduce the risk of scalding.

Additionally, a certified plumber may have the legal obligation to ensure the water heater installation meets the hot water delivery requirements listed in AS3500.4 and PCA 2022 B2D5 and local requirements.

Test for delivery temperature performance

The appliance must be tested in accordance with PCA at 50 °C - limited water heater, see figure below.

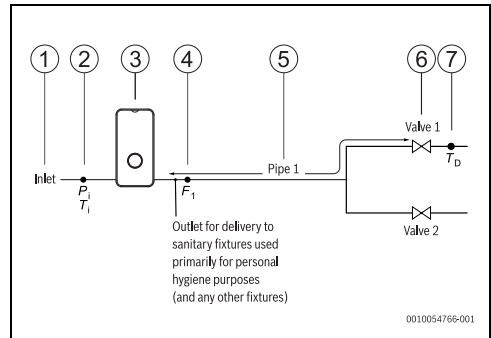


Fig. 7 *Figure A.1 - Option 1 - simple water heater (AS 3498)*

- [1] Inlet water.
- [2] Inlet pressure (Pi) and inlet temperature (Ti).
- [3] Water heater.
- [4] Flow rate to sanitary fixtures used primarily for personal hygiene purposes.
- [5] Pipework to sanitary fixtures used primarily for personal hygiene purposes.
- [6] Valves to control water flow for the purposes of testing.
- [7] Delivery temperature (represents water temperature at the outlet from sanitary fixtures used primarily for personal hygiene purposes).

5.2 Choose the installation location

NOTICE

Risk of damage to the appliance!

Never support the appliance on the water connections and/or by the electric feed cable.

- Choose a wall which is strong enough to support the weight of the appliance.
- Use the fixing materials supplied with the appliance.
- Mount the appliance in a vertical position with the hydraulic connections below.

Installation location

- Comply with current guidelines.
- Install the appliance in a room where the ambient temperature never drops below 0 °C.
- Do not install the appliance in locations with an altitude above 2000 m above sea level.
- Install the appliance near to the most used hot water tap, so as to reduce thermal loss and wait times.
- Install the appliance in a location where it is possible to carry out maintenance.

- Install the appliance taking into account the specific voltage on the data plate.

Protection zone

When installation is required in a wet area please comply with the following installation standard:

- AS/NZS 3000; clause 6.2.4.5 and table 6.1.

5.3 Unpack and remove the cover of the appliance

NOTICE

Risk of damage to the appliance!

In the event of transportation damages,

- Do not install the appliance.



Before carrying out any installation,

- Pay attention to the instructions given in this manual.
- Perform the installation of the appliance according to the following images.

- Unpack the appliance.
- Dispose of the packaging according to the recycling systems applicable in the country.
- Remove the front fascia of the appliance.

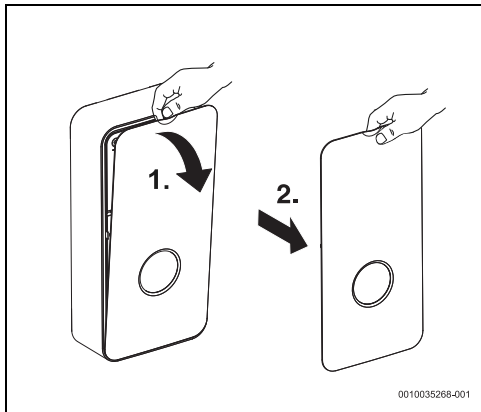


Fig. 8 Remove the front fascia

- Loosen the fixing screw at the front of the appliance.

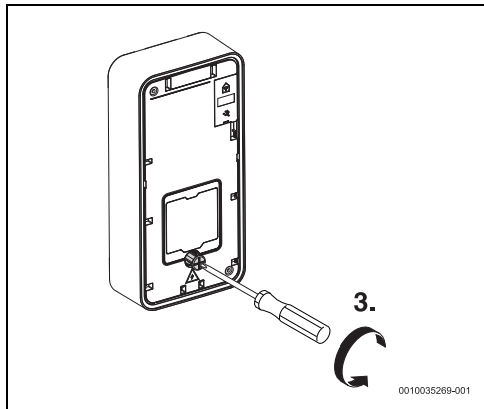


Fig. 9 Loosen the screw

- Loosen and remove the front fascia of the appliance.

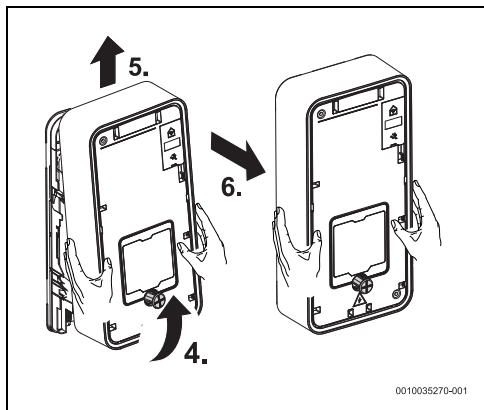


Fig. 10

- Turn around the hot water pipe.

- Open the side fixing parts of the hydraulic block.

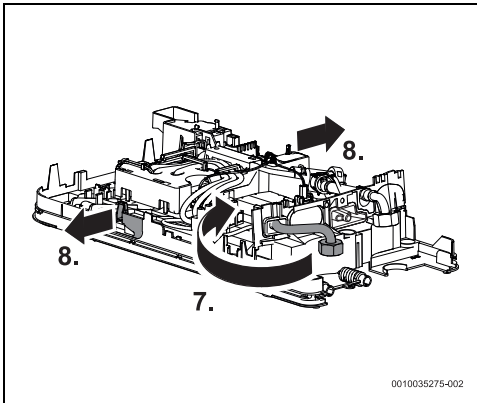


Fig. 11

- Remove the hydraulic block from the back.

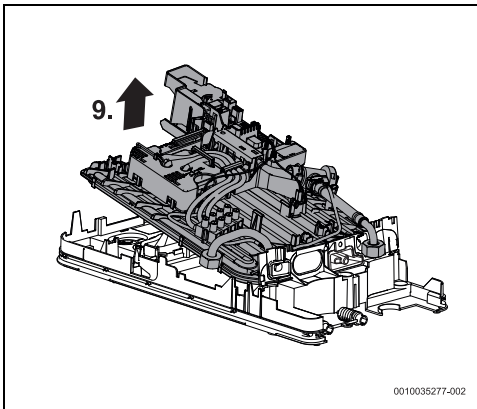


Fig. 12

5.4 Water connection

NOTICE

Damages to the installation!

Damages to the water pipework.

- Ensure that the pipework can withstand a maximum pressure of 10 bar and a maximum temperature of 100 °C.

Installation (only for specialised and qualified technicians)

NOTICE

Danger of damage to the appliance!

The existence of sand can cause a reduction in the flow rate and its obstruction in more serious cases.

- Purge the water circuit before installing the appliance.



This appliance is intended to be permanently connected to the mains water supply.



Water connections to the appliance can be vertical or horizontal, brass plugs/caps are supplied to blank off unused inlet and outlet fittings. All other fittings must be in accordance with AS/NZS3500 and local regulatory requirements. The plumbing connection for this appliance must comply with standards set out in AS3500.4 and PCA.

Accessories



The accessories supplied with the device must be used, as shown in Fig. 14.

- Only use taps and accessories with capacity to operate in a closed circuit (under pressure).

Identify the water connections

- Make sure the cold and hot water pipes are duly identified, in order to avoid confusion.

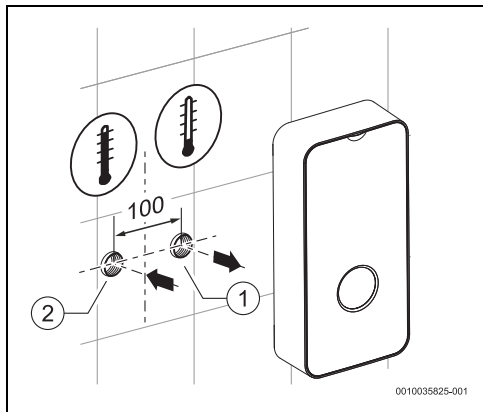


Fig. 13

- [1] Cold water inlet (G ½")
- [2] Hot water outlet (G ½")

- Install the water connection accessories.



During the installation of the shut-off valve,

- Make sure that the shut-off valve handle is facing upwards.

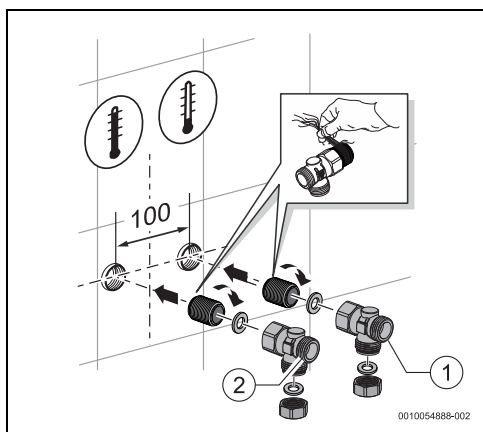


Fig. 14 Horizontal water connections

- [1] Cold water inlet (G ½")
- [2] Hot water outlet (G ½")

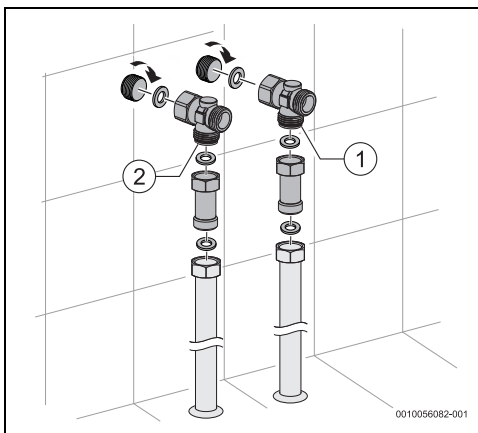


Fig. 15 Vertical water connections

- [1] Cold water inlet (G ½")
- [2] Hot water outlet (G ½")

5.5 To mount the appliance on the wall

- Remove the plastic part from the back of the appliance.

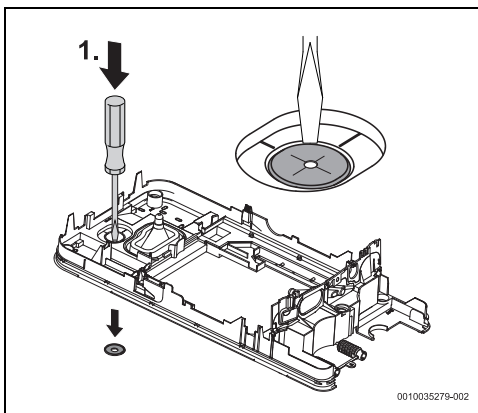


Fig. 16

- Use the back of the appliance as a hole pattern.
- Support the appliance on the cold water accessory to facilitate marking on the wall.

- Mark the mounting point, ensuring that the appliance is in a level and vertically position.

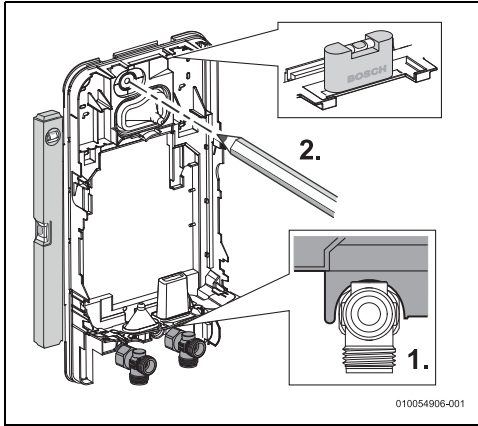


Fig. 17



For models with Aquastop system (TR...A),

- Ensure the vertical alignment of the appliance.
The appliance cannot be tilted by more than 1°.
- Separate the fixing parts.

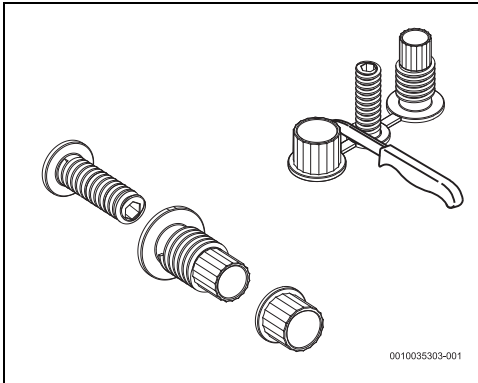


Fig. 18

Installation (only for specialised and qualified technicians)

- Fix into the wall the fixing parts for the appliance.

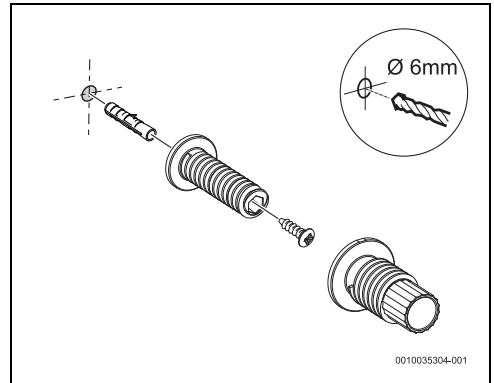


Fig. 19

- Attach the back of the appliance to the wall.

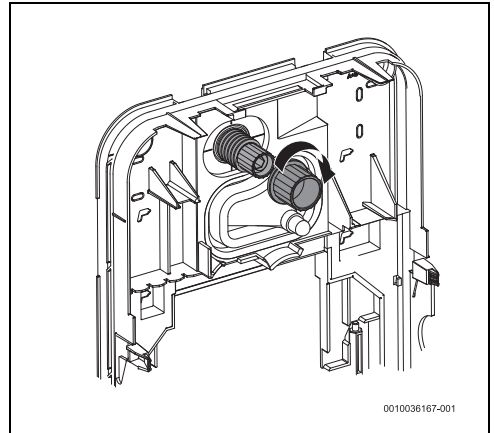


Fig. 20

5.6 Electrical installation of the appliance

It is possible to connect the power cable in three different positions;

- Upper connection
- Lower Connection
- Lower connection for short cables

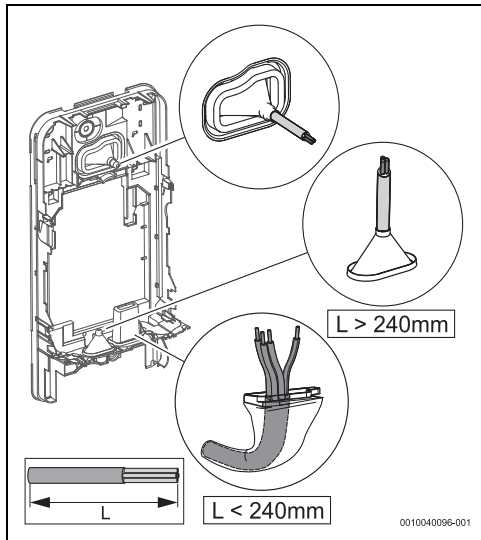


Fig. 21



The opening of the cable conduit must fit the power cable perfectly. If the cable conduit is damaged during assembly, the holes must be covered in a watertight manner.

- The cable conduit must be cut according to the diameter of the power cable.

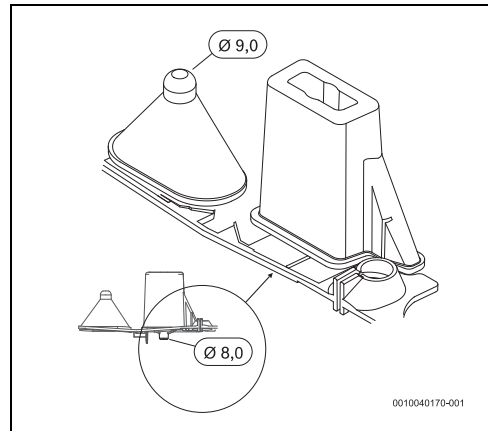


Fig. 22

- Insert the connection cable at least 40 mm inside the appliance, unless you are using the lower connection site for short cables.
- Pass the power cable through the cable conduit, ensuring tightness.

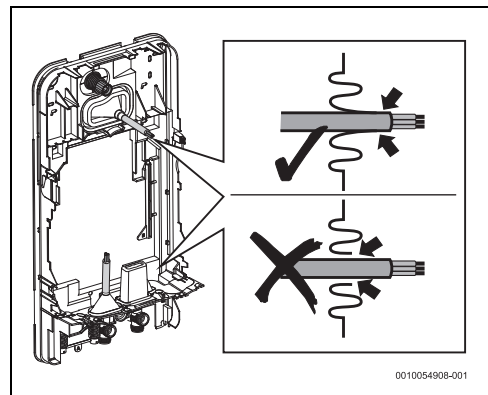


Fig. 23

- If the distance between the appliance and the wall is 2-8 mm, the appliance must be levelled using the upper mounting fixing.

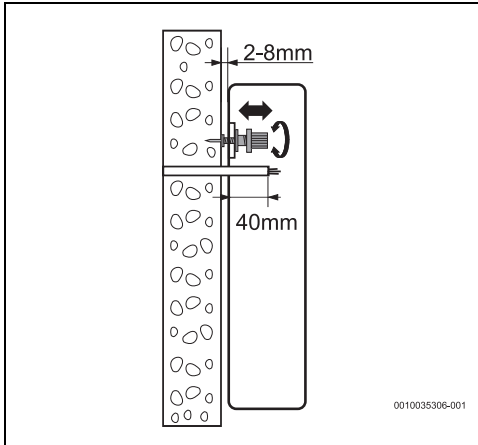


Fig. 24



If the appliance is not perpendicular to the wall,

- Use spacers at the bottom to level the appliance.
- The spacers should be placed at the back of the appliance.

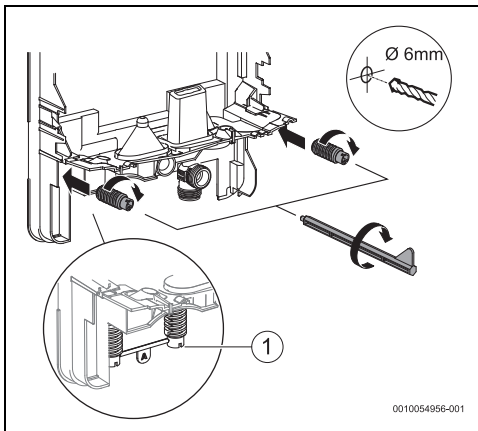


Fig. 25

[1] Spacers

Installation (only for specialised and qualified technicians)

- Level the appliance with the upper mounting fixing and the spacers, if the distance between the appliance and the wall is 8-16 mm.

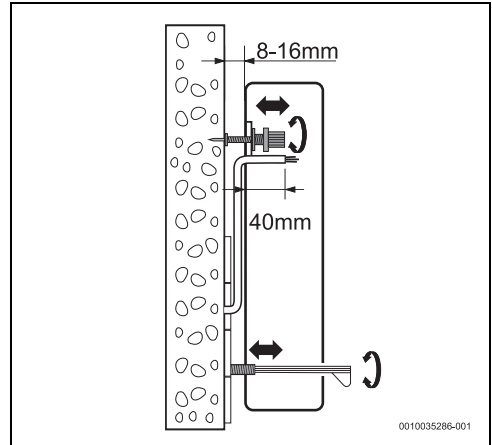


Fig. 26



If the appliance is not securely fixed to the wall,

- Use the screws to fix the spacers to the wall.

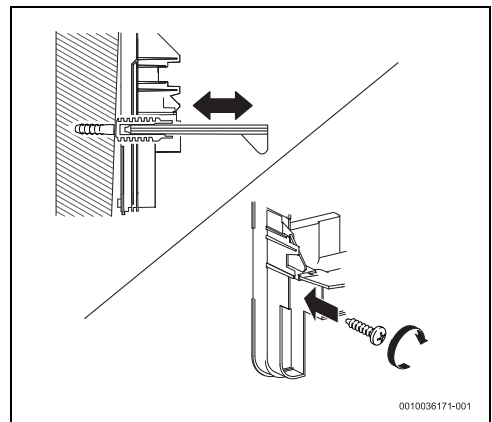


Fig. 27



If the distance to the wall is 8 to 16 mm and if the appliance uses a Aquastop system (TR .001 **A**), the additional bushing supplied with the appliance must be installed.

- Install the additional bushing to allow for the correct installation of Aquastop (Image 28).

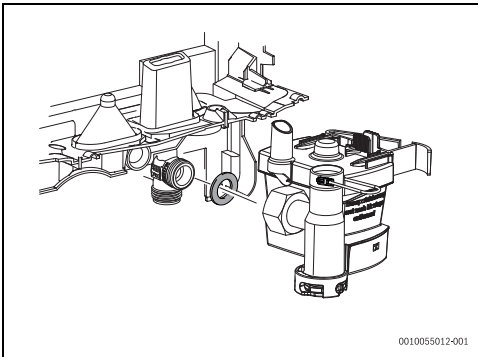


Fig. 28 Additional bushing

After levelling the appliance,

- Tighten the fixings so that the appliance is secured to the wall.

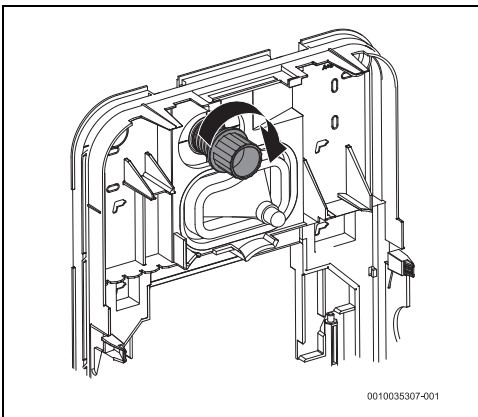


Fig. 29

5.7 Hydraulic block assembly

- Position the hydraulic block into the back of the appliance.
- Position the water inlet and outlet pipes into the sealing membrane.

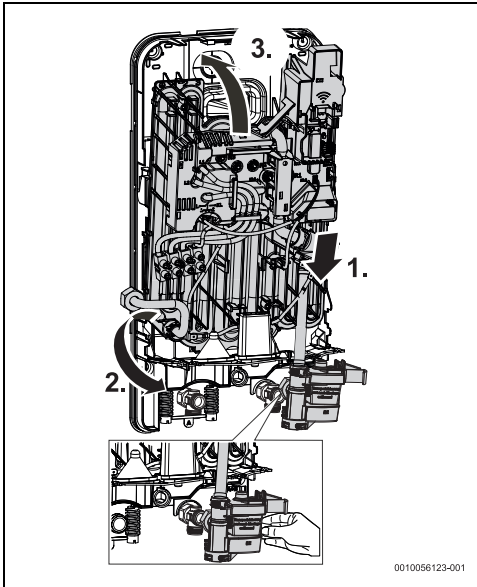


Fig. 30

Installation (only for specialised and qualified technicians)

- Adjust the hydraulic block until it is firmly secured at the back of the appliance.

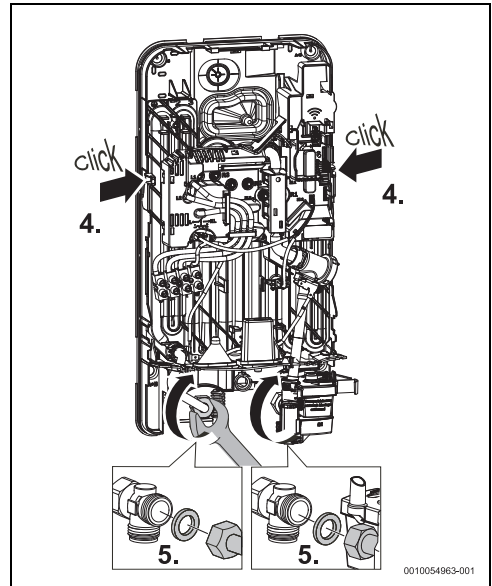


Fig. 31

- Place the bonded washers onto the water connections.
- Tighten the water connections.
- Check if there are leaks.

5.8 Aquastop installation

Only for models with the Aquastop system



WARNING

Appliance malfunction!

The appliance doesn't work when the Aquastop is activated.

- Complete the Aquastop installation before removing the Aquastop protection device.

Before connecting the water,

- Place the flexible pipe for the Aquastop in the sealing membrane of the appliance. The flexible pipe must be correctly positioned.

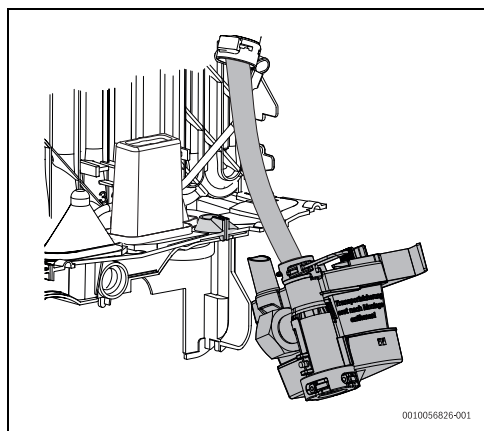


Fig. 32

- Place the Aquastop in the hole in the sealing membrane.

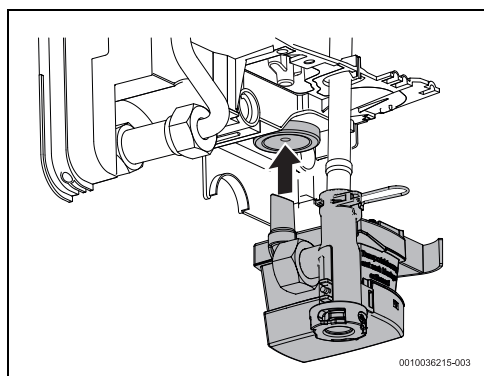


Fig. 33

- Ensure that the Aquastop is in a vertical position.

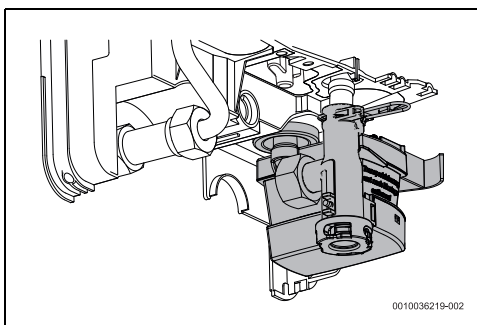


Fig. 34

- Tighten the water connection.

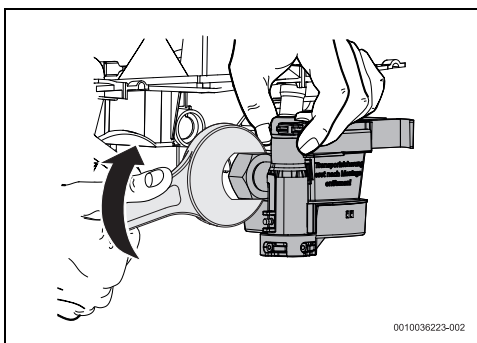


Fig. 35

- Press the two tabs and remove the Aquastop protection device.

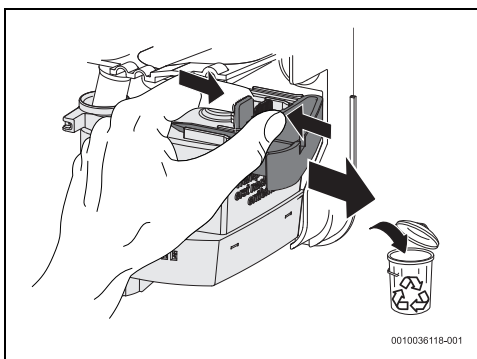


Fig. 36

5.9 The air must be purged from the appliance

After all of the hydraulic connections to the appliance have been carried out, purge the air from the appliance,

- Turn on the cold water supply.
- Turn on a hot water tap for 1 minute to purge air from the appliance.

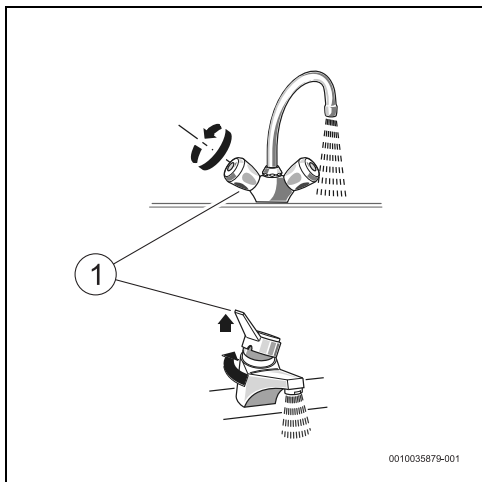


Fig. 37

[1] Hot water tap

5.10 Appliance configuration



CAUTION

Risk of electric shock!

Before configuring the appliance,

- Turn off the electrical supply at the electrical cabinet.

It is possible to configure several parameters on the same appliance.

Installation (only for specialised and qualified technicians)

- Use the electronic Jumpers provided to carry out the different appliance configurations.

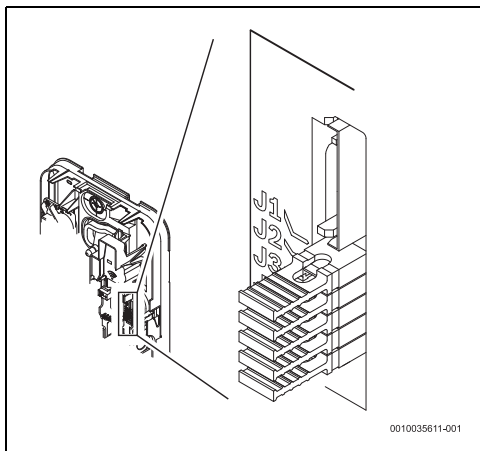


Fig. 38 Supplied electronic Jumpers

- Save the removed Jumpers for future changes or installations.

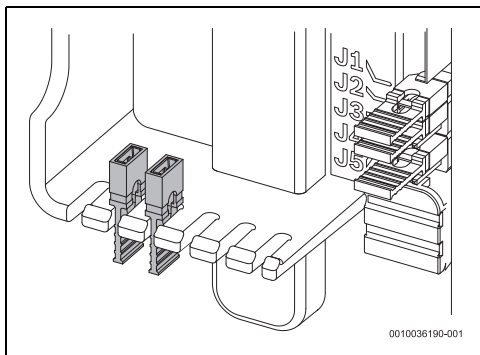


Fig. 39

5.10.1 Setting maximum temperature

- Use Jumper J5 to set the maximum temperature of the appliance, according to the table below.

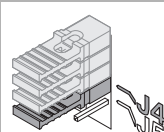
Max. Temperature	Jumper: J5
Maximum Temperature 42 °C	
► Remove jumper J5.	

Table 5 Setting maximum temperature

6 Electrical connection (only for specialised and qualified technicians)

General information

**DANGER**

Risk of electric shocks!

- ▶ Disconnect the power supply before carrying out any work on the device.

All regulation, control and safety equipment of the device is connected at the factory and supplied ready for operation.

**CAUTION**

Lightning strike!

- ▶ The device must have a separate connection in the distribution box and be protected by a 30 mA fault current circuit breaker and earth lead. A overvoltage protection device must also be provided in areas characterised by frequent lightning strikes.

6.1 Electrical connection

The electrical mains connection terminal can be assembled at the top or at the bottom of the appliance.

The electrical connection can be made in 3 different ways,

- Upper connection (Fig. 40)
 - Lower Connection (Fig. 41)
 - Lower connection for short cables (Fig. 42)
- ▶ Carry out the electrical connections, according to the position of the power cable.
The layout of the electrical cables must be positioned in accordance with the images below.

Upper Connection

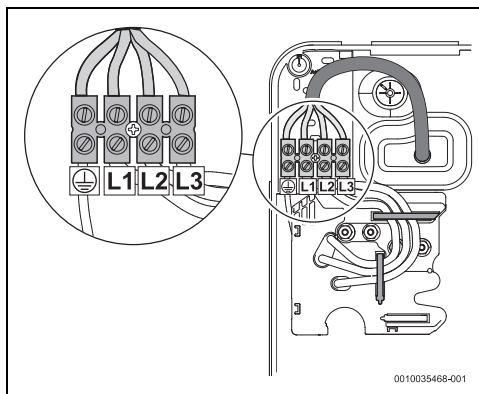


Fig. 40 Upper connection

Lower Connection

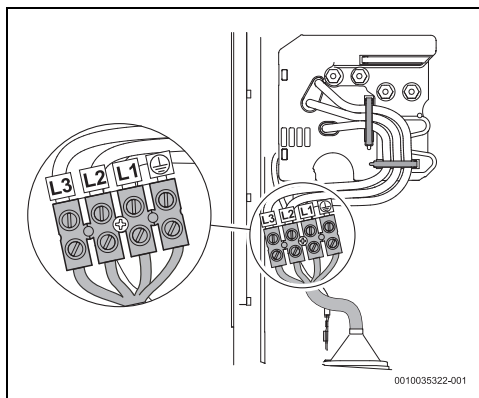


Fig. 41 Lower connection

Lower connection for short cables

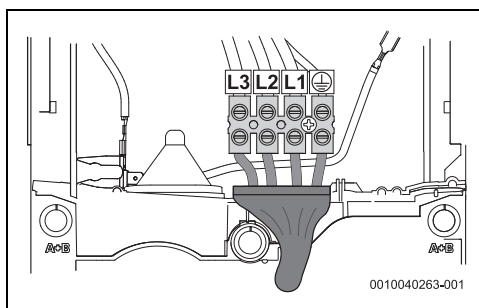


Fig. 42 Lower connection for short cables

Maximum length for short cables

For installations using the lower connection for short cables, the length of the cables must not exceed 70 mm.

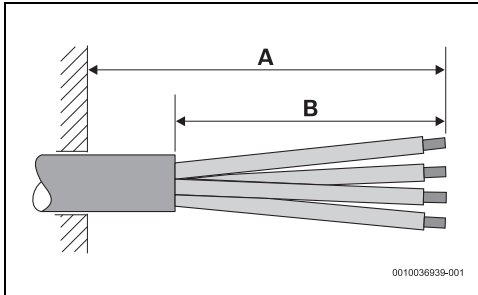


Fig. 43

[A] > 150 mm

[B] ≤ 70 mm



The opening of the cable conduit must fit the power cable perfectly. If the cable conduit is damaged during assembly, the holes must be covered in a watertight manner.

Procedure for lower connection for short cables

- Press the snap fits with a screwdriver.

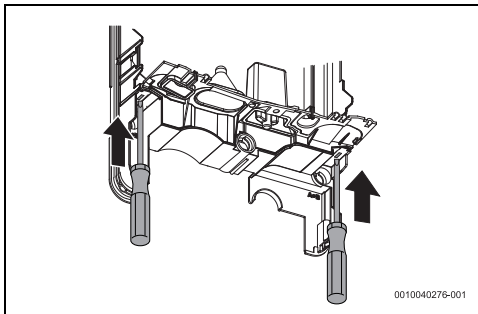


Fig. 44

- Remove the appliance's sealing membrane.

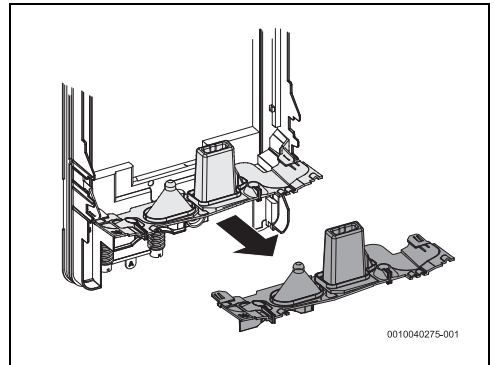


Fig. 45

- Pull the end of the cable conduit to its full extent to protect the electrical cable.

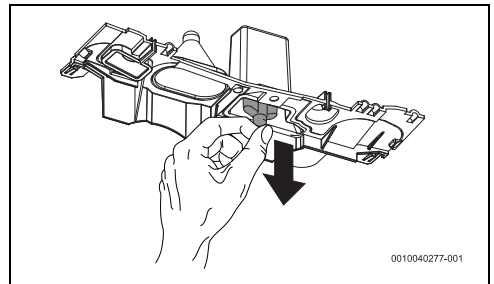


Fig. 46

- Cut the end of the cable conduit according to the diameter of the electrical cable so as to guarantee a tight fit.
- Pass the power cable through the cable conduit guaranteeing a minimum of 10 mm of insulating cover for the electrical cable.

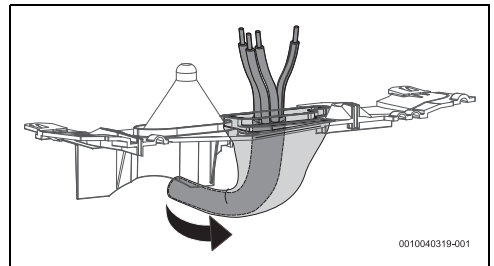


Fig. 47

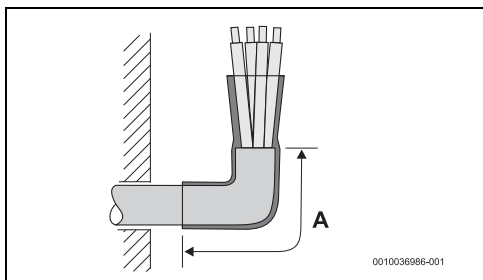


Fig. 48

[A] ≥ 10 mm

- Replace the sealing membrane on the back of the appliance.
- Tighten the electrical cables into the electrical terminal of the appliance.

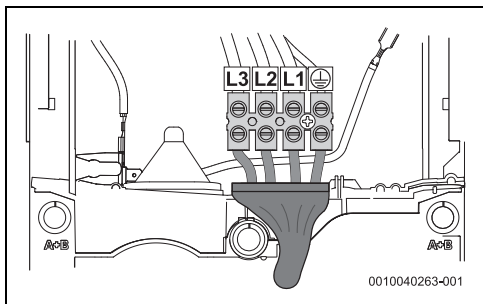


Fig. 49 Lower connection short cables

- Position the electrical cable so that it is not in the way of where the appliance's central screw is inserted and it allows the appliance cover to be correctly fitted.

6.2 Install the appliance cover

Connect the cable to the operating panel

Before attaching the appliance cover,

- Connect the cable from the operating panel to the electronic board.

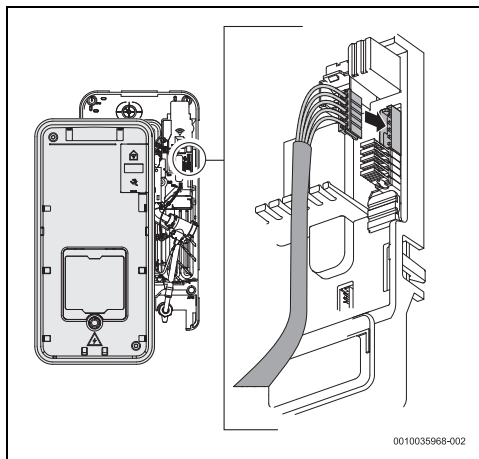


Fig. 50

- Place the cover on the appliance.

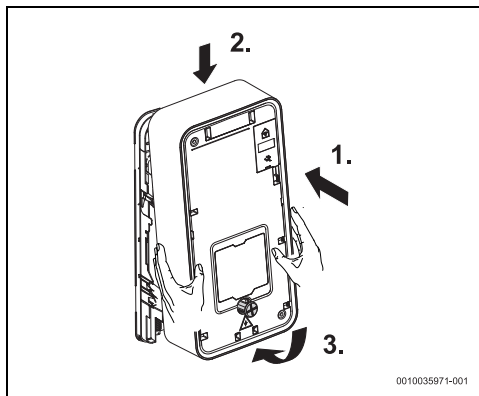


Fig. 51

- Tighten the fixing screw on the cover of the appliance.

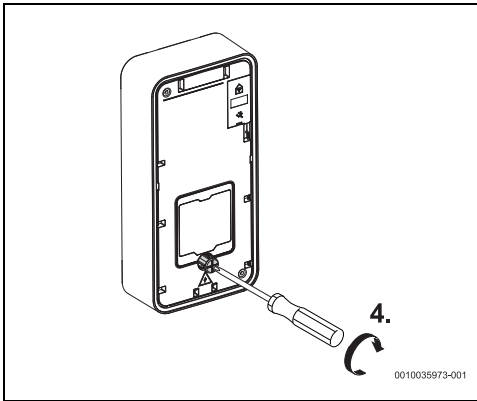


Fig. 52

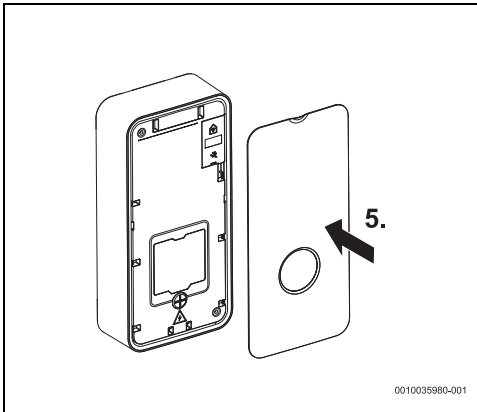


Fig. 53

7 Commissioning of the device (only for approved specialists)

7.1 First commissioning of the appliance

NOTICE

Risk of damage to the appliance!

The initial commissioning of the appliance must be carried out by a qualified expert who will provide the customer with all the information required for its proper operation.

- Turn on the cold water inlet.
- Check the tightness of all connections.
- Turn on the appliance circuit breaker at the electrical cabinet.

Initial operation

- Completely turn on a hot water tap and let the water flow for at least 1 minute, until the LED stops blinking (2x per second).
Only after this period (for safety reasons) will the appliance start heating the water.

Check the correct operation of the user interface

After turn on a hot water tap,

- Check if the operation LED lights up.
- If the operation LED does not light up,
- Check if the cable from the operating panel is correctly connected to the electronic board (→ Fig. 50).

If the appliance does not heat the water

- Remove the aerator from the hot water taps.
- Remove the flow rate reducer from the shower.
- Removing the flow limiter from the appliance (→ Cap. 7.2).

Information for the customer

- Inform the customer about the how appliance works and provide instructions on how to use it.
- Give the customer all the printed documents for the appliance.

7.2 Removing/Replacing the flow limiter

The appliance needs a minimum water pressure and flow rate to start (→ Tab. 7).

If the appliance does not start up, due to the low water flow rate in the domestic water installation,

- Remove the flow limiter from the appliance.

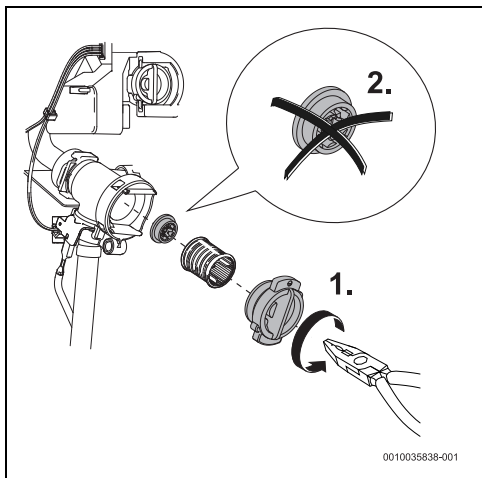


Fig. 54 Remove the flow limiter

7.3 Activation of the Wi-Fi module

The appliance is equipped with a factory-installed Wi-Fi module, enabling the establishment of the communication between the appliance and the mobile phone. This communication is made through the application **HomeCom Easy**, available on *Google play* or *App Store*.

After pairing the device with the mobile phone, it is possible to control and monitor the operation of the appliance through the mobile phone.

7.3.1 HomeCom Easy Application

- Download the application **HomeCom Easy** to the mobile phone.

- Install the application and follow all the steps described.

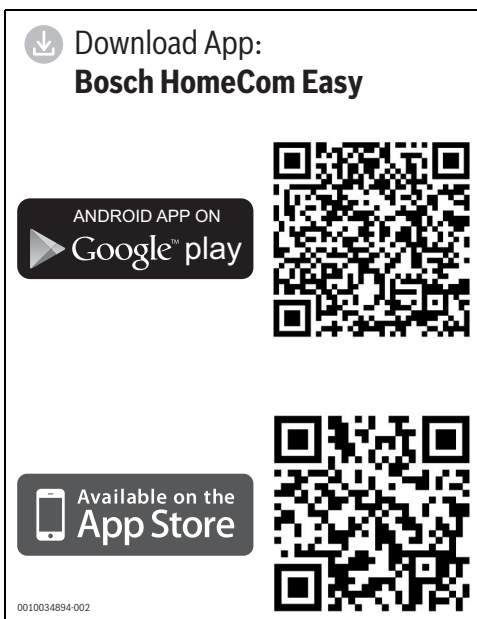


Fig. 55 HomeCom Easy App

Label with credentials for the Identification of the appliance

To access the label with the appliance's identification credentials;

- Remove the front fascia.

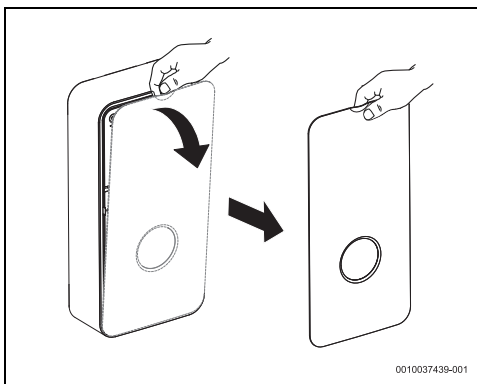


Fig. 56

- Read the QR code with the camera of the mobile phone. The QR code is in the upper right corner.

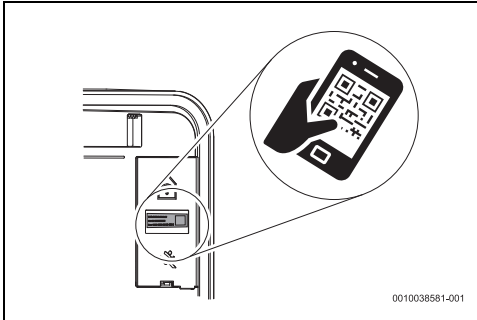


Fig. 57

- Replace the front fascia of the appliance after reading the QR code.

7.3.2 Connecting the Wi-Fi module to the internet

To use the Wi-Fi module, you need an internet connection.

There are two connection possibilities,

- Automatic (WPS)
- Manual (Hotspot)



To configure the internet connection, just follow the steps in the **HomeCom Easy** application.

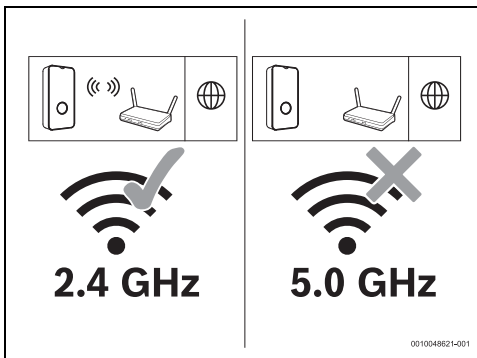


Fig. 58

8 Maintenance (only for specialised and qualified technicians)



CAUTION

Risk of personal or material damage!

Before commencing any maintenance work:

- Switch off the electric supply.
- Close the water shut-off valve.



Inspection, maintenance and repairs,

- It is the customer's responsibility to call an expert to carry out repairs and inspections.
- Inspection, maintenance and repairs must only be carried out by authorised experts.
- Use only original spare parts from the manufacturer. The manufacturer will assume no responsibility for damage caused by spare parts not supplied by the manufacturer.
- Order spare parts from the spare parts catalogue for this appliance.
- During maintenance work, replace removed joints with new ones.
- After carrying out maintenance work, press the restart button to restart the appliance.

NOTICE

Damage to the appliance!

- For safe and environmentally compatible operation, maintenance and cleaning must be carried out at least once every 12 months in accordance with chapter 8.

9 Problems



DANGER

Electrical shock!

- ▶ Disconnect the power supply before carrying out any work on the appliance.
- ▶ Installation, repairs and maintenance must only be carried out by qualified experts.

The following table describes the solutions to possible problems (some of the solutions should only be carried out by experts).

Problem	Cause	Solutions
Volumetric flow rate of water too low.	The tap or shower filter is clogged.	▶ Remove the filter, wash or remove the limescale.
	The appliance's water filter is clogged.	▶ Ask an expert to clean the water filter.
	Possible flow blockage caused by the appliance's volumetric flow rate limiter.	▶ Request an expert to remove the volumetric flow rate limiter(→ Chapter 7.2).
The appliance does not turn on.	The residual current device tripped in the electrical cabinet.	▶ Check the residual current device in the electrical cabinet.
The water does not heat up sufficiently.	The power limit was reached (white LED flashing 1x per second).	▶ Reduce the flow rate of the water tap.
	Flow rate too high and/or cold water inlet temperature too low (winter).	▶ Ask an expert to adjust the flow rate by means of the angle valve. Check the volumetric flow rate limiter or use another to reduce the water flow rate.
Sometimes the appliance temporarily stops supplying hot water.	The appliance detects air in the water and momentarily shuts off the heating elements (white LED flashing 2x per second).	▶ Wait a few seconds while the appliance purges the air from the system.
The display shows an error code "EA2"	The priority relay is installed. The minimum starting power of the appliance has not been reached.	▶ Increase the temperature set in the appliance or increase the water flow from the tap.
The display shows an error code "E..".	Malfunction in the appliance.	▶ Close and open the hot water tap.
		▶ If the error remains; ▶ Contact customer support.

Table 6 Problems

10 Technical information

10.1 Technical data

Technical characteristics	Unit	TR8501i 18		TR8501i 27	
Rated voltage	V	400V	415V	400V	415V
Rated output power	kW	18	19.4	27	27.5
Rated current	A	26	27	39	39.7
Fuse protector/RCD	A	25	32	40	40
Minimum cable cross-sectional area ¹⁾	mm ²	See footnote ¹⁾			
Water mixed at rated output with temperature increase of:					
12 °C up to 38 °C (without volumetric flow rate limiter)	l/min	9.8	10.5	14.6	14.9
12 °C up to 38 °C (with volumetric flow rate limiter)	l/min	7.6	7.6	9.4	9.4
12 °C up to 60 °C	l/min	5.3	5.7	7.9	8.0
Pressure loss with temperature rise of:					
12 °C up to 60 °C (without volumetric flow rate limiter)	bar	1.0	1.3	2.5	2.5
12 °C up to 60 °C (with volumetric flow rate limiter)	bar	0.7	0.8	1.5	1.5
Minimum appliance start-up flow rate ²⁾	l/min	2.5		2.5	
Minimum appliance start-up pressure ³⁾	MPa (bar)	0.04 (0.4)		0.04 (0.4)	
Application field for water with specific electrical resistance at 15 °C.	Ωcm	≥ 1 300		≥ 1 300	
Water's maximum conductivity at 15 °C	μS/cm	≤ 769		≤ 769	
Nominal pressure	MPa (bar)	1.0 (10)		1.0 (10)	
Maximum allowable infeed temperature	°C	55		55	
Volumetric flow rate limiter	l/min (colour)	7.6 (White)		9.4 (Yellow)	
Maximum impedance at the connecting point	Ω	0.170		0.117	
Wi-Fi specifications					
Operating modes	802.11b/g Hotspot (HT), WPS				
Security	WPA/WPA2 (personal)				
IP addressing	Static IP, DHCP				
Frequency band	2412 - 2472 MHz				
Transmission capacity	< 6 dBm				

- 1) The cross sectional area of the connection cable must be in accordance with the power rating of the appliance and the specific requirements of AS/NZS 3000.
- 2) The first time the appliance is commissioned, the minimum water flow rate should be 3.5 l/min.
- 3) The pressure drop in the mixer should be added to this value.

Table 7 Technical characteristics

11 Water quality

All Bosch appliances are constructed from high quality materials and components and all are certified for compliance with relevant parts of Australian gas, electrical and water standards.

While Bosch water heaters are warranted against manufacturing defects, the warranty is conditional upon correct installation and use, in accordance with detailed instructions provided with the heater.

In the case of the water supplied to the heater, it is important that the water quality be of acceptable standard.

In regions where water is characterized by high chloride and calcium carbonate levels, it is essential to analyse it and, if necessary, treat the water to prevent eventual damage to appliance heating elements.

In the areas of Australia where water maybe supplied either fully or partly from bores, artesian wells, or similar, one or more of the important limits may well be exceeded and the heater could, therefore, be at risk of failure.

If the installer is uncertain about the water quality in the area, they should always contact the Bosch Customer Contact Centre Phone 1300 30 70 37 and request to speak with the technical team.

Alternatively, you can contact us using the online form at:

<https://www.bosch-homecomfort.com/au/en/residential/customer-support/contact-us/>

Or via post to:

Robert Bosch Aust Pty Ltd, Attention TT Warranty Department, Locked Bag 66, Clayton South, Victoria, 3169.

Claims received by post will take longer to process and we encourage you to call.

If it is determined that the water supply does not meet quality standards, the Bosch warranty will not apply.

12 Environmental protection and disposal

Environmental protection is a fundamental corporate strategy of the Bosch Group.

The quality of our products, their economy and environmental safety are all of equal importance to us and all environmental protection legislation and regulations are strictly observed. We use the best possible technology and materials for protecting the environment taking account of economic considerations.

Packaging

• Polystyrene

Clean polystyrene material may be recycled.

Recycle, incinerate, or landfill, as appropriate, in an approved facility.

Dispose of in accordance with Local, State & Federal EPA waste regulations.

Polystyrene packaging is not recyclable in yellow recycling bins. May be landfilled in Australia.

To confirm local practices, contact your local Council.

For disposal locations visit <https://recyclemate.com.au/> select material and location.

• Cardboard

Dispose in your kerbside recycling bin or a dedicated cardboard recycling bin.

• Soft Plastic Wrapping

Dispose of soft plastic wrapping packaging in your general waste bin.

Used appliances

Used appliances contain valuable materials that can be recycled.

The various assemblies can be easily dismantled. Synthetic materials are marked accordingly. Assemblies can therefore be sorted by composition and passed on for recycling or disposal.

Old electrical and electronic appliances



Do not dispose in your kerbside bins.

Electronic products can contain toxic chemicals and pose health and safety risks for the people handling your kerbside waste. They are a cause of contamination in kerbside bins and can pose a fire risk in collection trucks and at material recovery facilities.

Keep devices out of your kerbside bins and always safely dispose of them at a nominated collection point. If there are no options close to you for appropriate disposal, contact help@recyclemate.com.au for further guidance on appropriate disposal practices in your state or jurisdiction.

13 Terms and Conditions of Product Warranty

Robert Bosch (Australia) Pty Ltd Home Comfort Division

Australian Voluntary Repair or Replacement Warranty – Electric Instantaneous Water Heater

Applicable for purchases after 1st March 2025
See table for applicable models

All Bosch products are carefully checked, tested and certified to Australian standards.

Important Note: Mandatory Australian Consumer Law statement

You should be aware that:

*This warranty is provided **in addition to** other rights and remedies held by a consumer at law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

Warranty

Bosch warrants, at its option, to repair or replace those Bosch water heater products specified in the product table on the last page of this warranty (**Products**) if such Products are faulty or defective in manufacture or materials during the relevant Product warranty period.

The warranty period commences on the date of purchase. If the date of original purchase cannot be determined, then the warranty period will commence six (6) months after the date of manufacture stamped on the Product. Bosch may require evidence to verify the date of purchase.

This warranty only covers repair or replacement of defective Products (including labour costs where indicated). It does not cover:

- any costs incurred by the end user in normal or scheduled maintenance of the Products; or
- subject to any law to the contrary, any damage to property, personal injury, direct or indirect loss, consequential losses or other expenses arising from breach of this warranty. Any end user concerned with this exclusion should consider the "Important Note: Mandatory Australian Consumer Law statement" above.

Warranty Period and Coverage

The following is a list of the classes of products sold by Bosch which are covered by this voluntary warranty, and the warranty periods which apply in each case.

Product Group	Description			
Electric Water Instantaneous Unit	Models	Application	Parts	Labour
3 Phase Electric Water Instantaneous Hot Water	TR4001	Domestic	5 year	5 year
	TR7001	Domestic	5 year	5 year
	TR8501	Domestic	5 year	5 year

"Domestic use" warranty period applies to Products installed to supply hot water for use by individuals in domestic dwellings. For Products used for all other uses, this voluntary warranty will not apply. This includes, without limitation, installations such as centralised or bulk hot systems, hotels, sporting complexes, caravan parks, laundry facilities, restaurants and cafes.

For valid claims within "Parts & Labour" warranty periods, the end user will not be charged for costs associated with making a warranty claim, including service call costs, any service technician fees or the cost of replacement parts and freight, provided that:

- the Product is located within the usual operating area of an authorised service technician; and
- the Product has been installed according to the installation instructions so as to provide adequate service access.

If the Product is not located within the usual operating area of an authorised service technician, the end user will be required to pay the service call costs associated with a service call under this voluntary warranty.

Notwithstanding the above, if the Product has not been installed in accordance with the installation instructions in regards to access, or has been otherwise installed in location where service access is difficult, the end user will be required to pay charges associated with the difficult access. This includes, but is not limited to, the removal of walls or doors to gain access and the use of specialised equipment to move the Product or components to safe working levels. Where the Product cannot be safely accessed, Bosch may refuse to service the Product under this voluntary warranty.

For invalid claims under this voluntary warranty, the end user will be liable for the costs of making the warranty claim including any service call costs.

Warranty Conditions

This voluntary warranty is subject to the following conditions:

- The Product must have been installed and correctly commissioned by an authorised and licensed installer in compliance with applicable Australian Plumbing and Electrical Standards. Proof may be required of correct commissioning of the Product (such as certificate of compliance). Claims for failures due to incorrect installation or commissioning are not covered under this voluntary warranty and may be rejected by Bosch.
- Where a Product or part thereof is replaced or repaired under this voluntary warranty, the balance of the original voluntary warranty will apply. The replacement Product or part does not carry a new voluntary warranty.
- The Product must have its original serial numbers and rating labels intact.
- The warranty does not extend to any Products that have been completely or partially disassembled.
- These warranty terms cannot be amended except in writing by an authorised officer of Bosch.
- The warranty only applies to Products installed for an end user in Australia and purchased from Bosch or from a reseller where the Products have been originally sold by Bosch.
- Any claim made under this voluntary warranty meets the requirements set out below in the "How to Make a Warranty Claim" section.

Warranty Exclusions

This warranty will not apply to a defect or fault to the extent to which it arises:

- Due to storage, handling or installation of the Products otherwise than in accordance with instructions provided for the Products by Bosch or without reasonable care, including installation of a Product which is of inappropriate size or type for the intended purpose;
- Operation, use, or maintenance of the Products otherwise than in accordance with instructions provided for the Products by Bosch, or without reasonable care; connection to water from a bore, dam or swimming pool; connection to faulty equipment, such as damaged valves; foreign matter in the water supply; corrosive elements in the water supply; excessive water pressure, negative

water pressure (partial vacuum), or water pressure pulsation;

- Due to accidental damage or use of the Products for a purpose or in environmental conditions for which the Products were not designed or sold, or use of the products outside the specified or normal operating ranges for such Products;
- As a result of changes which occur in the condition or operational qualities of the Products due to climate or other environmental influence, foreign material contamination or water entry or as a result of exposure to excessive heat or solvents or because of use of non-potable water in the Product or damage as result of an Act of Nature including but not limited to storms, fires, floods and lightning strikes;
- From fair wear and tear from adverse conditions (for example, corrosion), or when replacement or repair of parts would be part of normal maintenance or service of the Products or where the damage is only to surface coating, varnish or enamel;
- Where exposed to corrosive atmosphere, salt-affected or coastal environments, and including exposure causing superficial discoloration and ageing that is immaterial to the performance and reliability of the Products;
- As a result of repairs, alterations or modifications to the Product which have been performed by a person who is not suitably qualified and experienced to perform works on the Products;
- from the use of any spare parts not manufactured, sold or approved by Bosch in connection with the repair or replacement of Product;
- 3 Phase Electric Water Instantaneous Hot Water must not be installed in areas where the outside temperature stays below 0 degrees Celsius for extended periods;
- 3 Phase Electric Water Instantaneous Hot Water models must not be used as a spa or swimming pool heater; or
- 3 Phase Electric Water Instantaneous Hot Water models must not be installed outdoors.

This voluntary warranty does not apply to damage that has been caused by continued use of a Product after it is known, or would have been known with regular servicing, it is defective.

Failure to service Products in accordance with recommendations in instruction manuals for Products may result in a warranty claim under this voluntary warranty being rejected by Bosch. Bosch alerts end users that instruction manuals for Products contain specific recommendations for servicing and safety checks to be carried out on Products.

Wrong Deliveries and Transit Damage

Wrong deliveries, incorrect or damaged packing and transit damage claims are not warranty claims. Such cases should be directed to Bosch's Customer Service line in Australia on ph: 1300 307 037

How to Make a Warranty Claim

If a Product fails within the warranty period, the end user must stop using the Product and make a claim as soon as possible, in any event before the end of the Warranty Period (see Deadlines for Submitting Warranty Claims below).

To make a warranty claim under this voluntary warranty, call the Bosch Customer Contact Centre (in Australia on ph: 1300 307 037. Please be ready to provide the model and serial number, date of installation, purchase details and a full description of the problem. Alternatively, for claims in Australia, you can post details of your claim to Robert Bosch (Australia) Pty Ltd, Attn HC Warranty Department, Locked Bag 66, Clayton Sth, Victoria, 3169. Claims received by post will take longer to process and we encourage you to call. Bosch may refer you to one of its Bosch Warranty Authorised Service Dealers.

Proof of purchase and purchase date, as well as proof of installation and proper commissioning by a licensed installer, may be required by Bosch or an authorised service technician.

All warranty service calls will be conducted by an authorised service technician during normal business hours. Bosch will not accept claims under this voluntary warranty for attendance and repair of the Product by third parties not authorised by Bosch.

Deadlines for Submitting Warranty Claims

Bosch aims to rectify genuine quality problems as a priority. This is generally achieved by

investigating why defective products have failed and by introducing immediate corrective action measures to prevent re-occurring warranty failures. It is therefore critical that all warranty claims are promptly submitted to Bosch as soon as the product fails, and in any event before the end of the warranty period.

Product Liability and Product Safety

Bosch should be informed immediately about any potential product safety concerns within and outside the warranty period. Bosch is well aware of its product liability and product safety obligations and responsibilities. It is our aim to ensure appropriate product safety standards are met in order to avoid injury, loss and damage caused by defects in any Product

Water Quality Statement

All Bosch water heating Products are constructed from high quality materials and components, and all are certified for compliance with relevant parts of Australian electrical and water standards.

While Bosch water heater Products are warranted against manufacturing defects, the warranty is conditional upon correct installation and use, in accordance with detailed instructions provided with the Product.

In the case of the water supplied to the Product, It is important that the water quality be of acceptable standard. In regions where water is characterized by high chloride and calcium carbonate levels, it is essential to analyse it and, if necessary, treat the water to prevent eventual damage to Product heating elements.

In the areas of Australia where water may be supplied either fully or partly from bores, artesian wells, or similar, one or more of the important limits may well be exceeded and the Product could, therefore, be at risk of failure.

If the installer is uncertain about the water quality in the area, they should always contact the Bosch Customer Contact Centre Phone 1300 30 70 37 and request to speak with the technical team.

Alternatively, you can contact us using the online form at <https://www.bosch-homecomfort.com/au/en/residential/customer-support/contact-us/>.

Or via post to Robert Bosch (Australia) Pty Ltd, Attention HC Warranty Department, Locked Bag 66, Clayton South, Victoria, 3169. Claims received by post will take longer to process and we encourage you to call

Privacy

Bosch is required to seek personal information from an end user who seeks to make a claim under this warranty. Such personal information will be used for the purpose of processing warranty claims and for the provision of customer support (**Purpose**).

It may be shared with other members of the Bosch group, some of which may be located outside Australia.

It may also be shared with authorised third-party service technician/s for the purpose of processing warranty related claims and/or carrying out repairs. While we strive to use only trustworthy service providers, some of them may be exempt from the Privacy Act which may limit your rights against them.

Bosch will not disclose your personal information, other than as outlined above, without your consent.

If an end user does not wish to provide Bosch and/or its authorised service technician with personal information, Bosch may be unable to process the end user's warranty claim or to provide the end user with additional customer support, services, and information.

More details about how Bosch handles your personal information is included in its <https://www.bosch.com.au/privacy-policy/>

Bosch Contact Details

This warranty is offered by Robert Bosch (Australia) Pty Ltd (ACN 004 315 628) of 1555 Centre Road, Clayton, Victoria 3168. Please call the Customer Contact Centre on 1300 30 70 37 in Australia if you have any queries in relation to this warranty or contact us using the online form at <https://www.bosch-homecomfort.com/au/en/residential/home/>

14 Open Source Software

The following open source software (OSS) components are included in this product:

Name of OSS Component	Version of OSS Component	Name and Version of License (License text can be found in Appendix below)	More Information
Arphic Technology	1.3.0	Arphic Public License	See chapter 14.1 Copyright (C) 1999 Arphic Technology Co., Ltd.

Table 8

14.1 Arphic Public License

Copyright (C) 1999 Arphic Technology Co., Ltd.
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