

Fig. 1 Principal components and Control organs

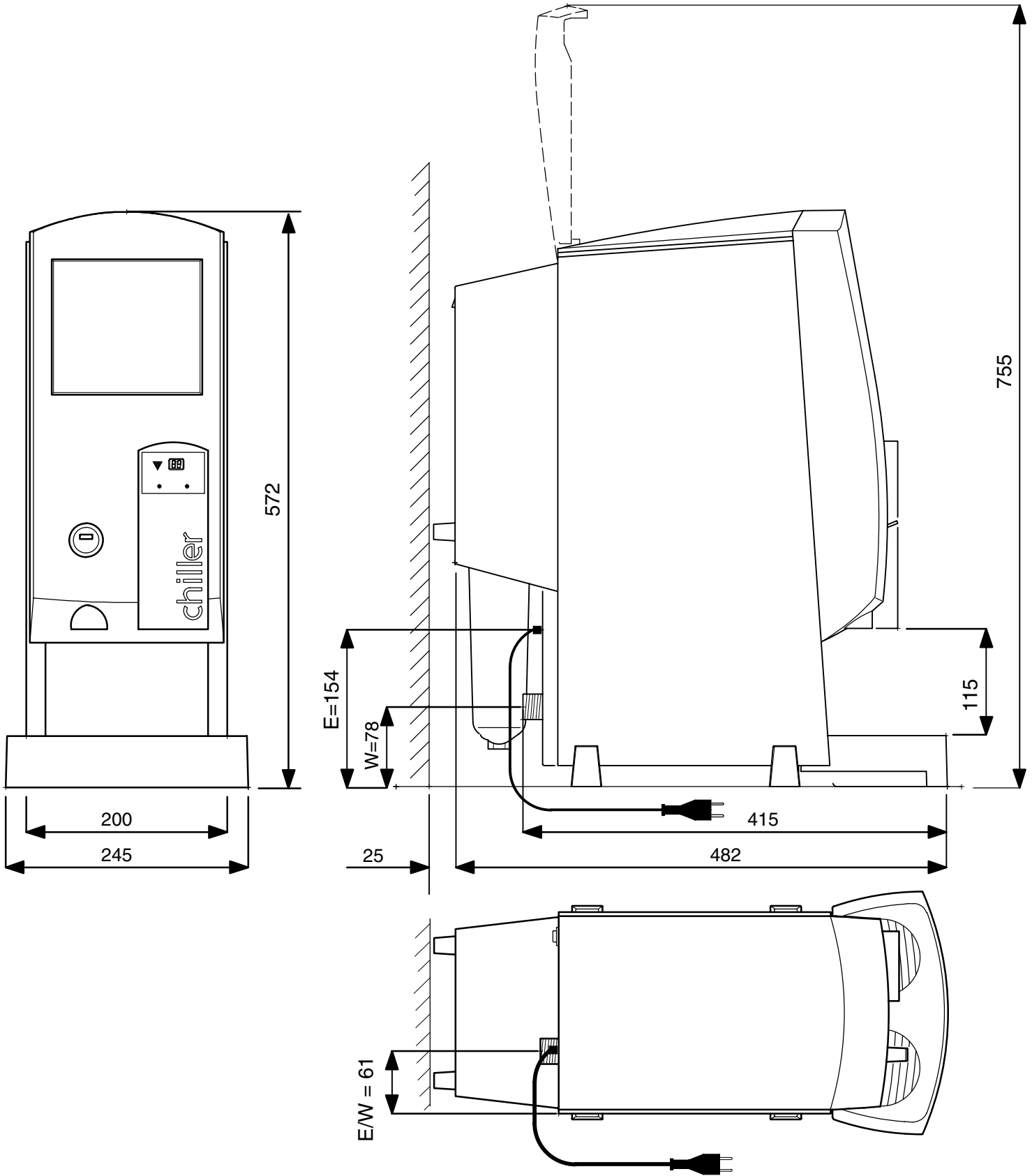
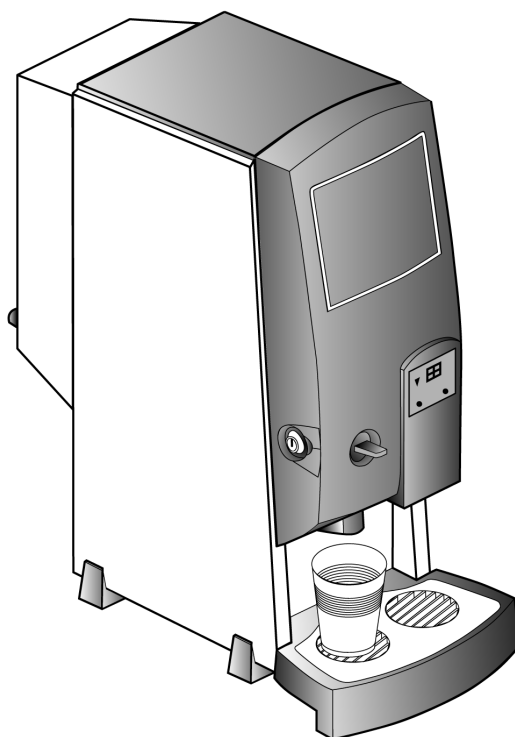


Fig. 2 Dimensions

Bravilor® Bonamat®

Operating instructions

CHILLER
Chilled water dispenser



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The information provided in this document is based on general data that we were aware of at the time of publication, relating to constructions, properties of materials and working methods, and this document is therefore subject to modifications. For this reason, the instructions presented here should merely be seen as a set of guidelines for installing, using and maintaining the device indicated on the front page of this document.

This document is valid for the standard version of the device. Consequently, the manufacturer cannot be held liable for any damage resulting to a device supplied to you with specifications that deviate from the standard version.

Although this document was compiled with the greatest possible care and attention, the manufacturer cannot be held responsible for any errors contained within this document or for any of the consequences that may derive from these errors.

PLEASE TAKE SOME TIME TO READ THIS DOCUMENT CAREFULLY BEFORE PROCEEDING TO USE THE DEVICE.

ALWAYS STORE THIS DOCUMENT IN THE VICINITY OF THE DEVICE.

FOREWORD

Using this document

This document is intended to be a set of operating instructions that authorised personnel can use to install, program and maintain the Chiller safely.

- This document refers to authorised personnel as follows: those people who program the device, carry out maintenance activities and possibly solve minor malfunctions that may occur.

All chapters and sections are numbered. The page numbering appears at the bottom of every page.

Pictograms and symbols

This **document** contains the following pictograms and symbols:



TIP

Suggestions and advice for conducting the procedures in question more easily.



CAUTION!

Procedures which –if they are not conducted with due care and attention– may result in damage to the device, the surrounding area or the environment.



WARNING

Procedures which –if they are not conducted with due care and attention– may result in serious damage to the device or physical injury.



WARNING

Danger: electric current.

Related documents

The following related documents are available:

- CHILLER Service Manual: 700.703.Kxx

Document code

Document codes are composed of two fields:

- field 1: document number
- field 2: revision date (possibly followed by the revision number).

Service and technical support

Please contact your dealer for information relating to specific settings, maintenance or repair activities that are beyond the scope of this document. Your dealer is always prepared to assist you. Please ensure that you have the following data available:

- model code
- type number
- serial number

These data are found on the device identification label (fig.3).

Conditions of warranty

The conditions of warranty applicable to this machine form part of the terms of delivery.

Identification of the device

- See fig.3
- A. model code
- B. type number
- C. serial number
- D. power
- E. frequency
- F. supply voltage

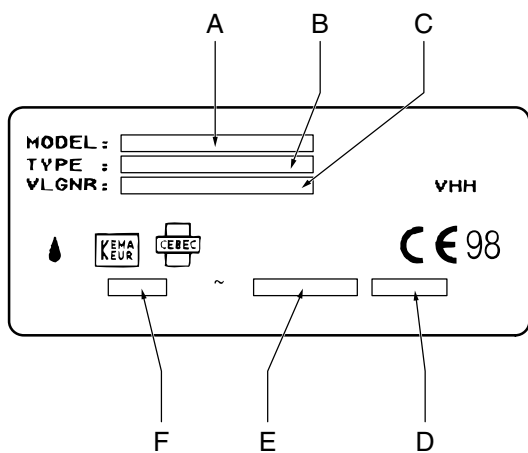


Fig. 3 Contents of machine identification plate

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Safety regulations and danger warnings

General

The manufacturer accepts no liability for damage or injury resulting from not (strictly) observing the safety regulations and instructions contained in this document, or from negligence during installation, use and maintenance of the device indicated on the front page of this document and any related accessories.

Please contact your dealer if you think there may be any potential danger.

The user of the device is fully responsible at all times for observing the locally applicable safety regulations and guidelines.

Operating instructions

- Everybody installing, programming or maintaining the device must be aware of the contents of these operating instructions and observe these instructions as closely as possible. Management must give instructions to the personnel with the aid of this document and take account of all the regulations and directions.
- Never change the sequence of the actions to be taken.
- Always store this document in the vicinity of the device.

Instructions on the device (if present)

- Any warnings and instructions on the device form part of the safety precautions. They may not be covered or removed and must always be present and legible throughout the entire life span of the device. Immediately replace or repair any pictograms, warnings and instructions that have become illegible or that have been damaged.

Maintenance

- Setting up and maintaining the device, as described in this document, is reserved exclusively for personnel authorised to perform these tasks. Temporary staff and persons undergoing training may only use the machine under the supervision and authority of authorized users.

Usage in accordance with purpose ¹

The device was designed solely to dispense cold water. Any other or further use is not in accordance with the purpose. The manufacturer does not accept any responsibility for damage or injury resulting from this. The device is in compliance with the applicable standards and guidelines. Only use the device in perfect technical condition and in accordance with the purpose described above.

Technical specifications

- The specifications indicated in this document may not be modified.

Modifications

- It is not permitted to modify (components of) the device.
1. "Usage in accordance with purpose" as defined in EN 292–1 is the use for which the technical product is suitable according to the manufacturer's information –including the information he supplies in his sales brochure. In case of doubt, usage implies that which is generally understood from the construction, execution and function of the product. Usage in accordance with the purpose also implies observing the instructions in the operating instructions.

Installation

- The Chiller will not operate optimally when it is set up in rooms where the ambient temperature is lower than the temperature of the water supplied to it. It can be assumed by way of a guideline that the ambient temperature must be above 14 °C.
- As there is a danger of freezing, never place the Chiller in spaces where the temperature can drop below 0 °C. Through normal use, there should always remain some water in the device.
- Never install the Chiller in places where water is sprayed or sprinkled.
- Do not place the device with its back against a heat source (i.e. heaters).
- Never tip the device in any direction, always transport and place it in an upright position.
- Never install the device in front of entries, exits and passageways intended for auxiliary or emergency services.
- Position the device on a flat, sufficiently robust base, in the vicinity of a water connection and an earthed electrical connection.
- Once the device has been installed in place, you should wait for at least 1 hour before its first use.
- Ensure that the device is connected to a continuous mains voltage. The control unit is fitted with a 'counter' that records the effective life of the water filter (no longer than 6 months). This counter is deactivated when the mains voltage is switched off.
- Never connect the device to a water outlet where water is contaminated with bacteria. The carbon filter is only intended to reduce odours and flavours such as chlorine.
- Allow sufficient space at the front and rear of the device for maintenance repairs. The device draws in air at the rear; therefore, the ventilation grille at the rear may not be covered. This also applies to the bottom side; it must be possible to blow out the heated air from this position.
- Connect the device to the water supply system (drinking water) using an easily accessible manually operated tap in order that it is easy to shut off the water supply, for example for cleaning, maintenance or in the event of a disaster.
- Connect the device to the electricity supply in such a way that the connection is easy to break, for example for cleaning, maintenance or in the event of a disaster.
- Ensure that the device is correctly earthed.

Usage

- Inspect the device before use and check it for any damage.
- Protect the device against water or moisture. Do not spray the device so that it becomes wet and do not submerge it in water.
- Keep the control units free from dirt and grease.
- Never use sharp objects to operate the buttons.
- If the device is not to be used for a long period of time, break the connection with the electricity supply, shut off the water supply, drain the cold-water reservoir until it is empty and remove the filter.



TIP

- This document makes a clear distinction between **maintenance activities** that may be conducted by the personnel and **repairs** and maintenance activities not included in this document that are always reserved for service engineers.
- Observe the specified maintenance intervals. Overdue maintenance can lead to high costs for repairs and may nullify any warranty claims.
- Do not conduct any maintenance activities on the device before shutting off the electricity and water supplies.
- Remain in the vicinity of the device during all maintenance activities.
- Always wear suitable face protection and safety gloves when working with liquid disinfectants. Wash your hands after using these materials.

Safety precautions

The device is provided with the following safety precaution by default:

- **Overflow protection**

The required amount of water is measured using a level-detection system. If the level-detection system does not detect any water for a relatively long period of time, the Chiller is switched off and message "E1" appears in the display.

Equipment and the environment

Packaging materials

The packaging used for the transportation and protection of the device, mainly comprises the following materials:

- (corrugated) cardboard
- Styropor elements

In general, the packaging can be returned to your dealer when the device has been installed. If this is not possible, ask your municipality's sanitation department about where you can dispose of the materials. You can also dispose of the Styropor elements separately.

Scrapping the device

Often, after consultation, your dealer will take possession of any equipment that you wish to scrap. If this is not possible, you can also ask your municipality about facilities for recycling or a means of processing the materials in an environmental-friendly way. All the plastic components have been clearly coded to this end. The printed circuit board contained in the device and the components connected to this board are electrical and electronic waste products. The refrigeration compartment contains refrigerant R134A and may only be processed by a specialized company.

This refrigerant is what is called an "HFK", which is a replacement product for "CFK", but is not harmful to the ozone layer.

1. INTRODUCTION

1.1 A brief overview of the device

1.1.1 General description

The CHILLER-002 is a cold-water device, specially designed for all who enjoy drinking a refreshing beaker of cool water. The device can supply 40 beakers (125 ml) of chilled water per hour.

The device's settings are computercontrolled. To this end, the device is equipped with two programming buttons that **personnel with the appropriate authorization** can use to adjust the settings (water temperature and filter-replacement status) and read off the counter levels or set (reset) them to zero. Once it has been programmed in accordance with the specific criteria and requirements, the device can be operated simply with the aid of the draw-off tap located at the front of the device.

1.1.2 Main components

The device comprises the following main components (see fig.1):

- A. Top cover
- B. Door
- C. Control panel
 - 1. Filter-replacement indication
 - 2. Display
 - 3. Programming button ↑
 - 4. Programming button ↓
- D. Drip-tray cover plate
- E. Drip-tray
- F. Water outlet
- G. Draw-off tap for water
- H. Lock
- I. Water filter
- J. Mains lead with plug
- K. Water connection
- L. Lug
- M. Filling aperture
- N. Locating holes for drip-tray

1.2 Summary of operations

The device is connected to the electricity supply and the water mains (drinking water) with the aid of the plug (fig. 1 , J) and the water-connection hose supplied (fig. 1 , K). An electrically operated tap then regulates the water supply.

The cooling system and the temperature sensor fitted in the device ensure that the water is maintained at the desired, preset temperature.

The device is equipped with an automatic filter-replacement signalling function (fig. 1 , C1). This is indicated by means of the red lamp next to the display. This lamp continues to flash until the filter is replaced and the counter is reset to zero.

The operating system makes it possible to accurately record the volume of water that has been drawn off. This total level can be read off via the adjustment program.



TIP

- The summary presented below assumes that the device is switched on and still has the factory settings.

1.2.1 Cold-water system

The device is equipped with a cold-water system. The required water is chilled by a cooling system. When the desired temperature appears in the display (fig. 1 , C2) a beaker of chilled water can be dispensed via the draw-off tap as the device is equipped with a discharge system.

2. TECHNICAL DATA

2.1 General

Model : Chill-002

Weight (without water) : 16 kg

2.2 Transport dimensions and weights

Transport dimensions (l x h x w) : 485 mm x 290 mm x 660 mm

Transport weight : 18,5 kg

2.3 Dimensions

- See fig. 2 .

2.4 Electrical system



TIP

- See the identification label for correct values.

Supply voltage and Frequency : 230 V~ – 50 Hz

: 110 V~ – 60 Hz

Total capacity : 130 W (575 W)

Class : 1

2.5 Water system

Min. water pressure (supply) : 50 kPa (0,5 Bar)

Max. water pressure (supply) : 1.000 kPa (10 Bar)

Cold-water reservoir volume : ca. 2 l

Hourly capacity cooling system : approx. 5 l/hour, at a water-supply temperature of 20 °C

2.6 Environmental conditions

The device is suitable for use in a room at temperatures of +14 °C to +32 °C.

If the temperature in the room where the device is installed is lower than +14 °C, it is no longer possible to chill the water to be dispensed owing to the reduced running time of the unit.

In connection with the above-mentioned incorrect operations, it is not advised to install the device in rooms where the temperature may fall below 14 °C.

2.7 Recommended cleaning fluids and liquid disinfectants

Cleaning agent for the exterior: normal, non-abrasive or corrosive detergent.

Liquid disinfectants for the cold-water reservoir: HADEX[®] (sodium hypochlorite (NaOCl)).



CAUTION!

- Before use, first read the instructions on the packaging of the cleaning agent.

3. INSTALLATION

3.1 Unpacking

- Verify that the device is complete. The contents of the packaging comprise:
 - Chiller
 - 1 drip-tray + grille
 - 1 water filter
 - 1 water-connection hose
 - 1 funnel
 - these operating instructions
- If components are missing or damaged, please contact your dealer.

3.2 Installation



CAUTION!

- It is not advised to install the device in rooms where the temperature may fall below 14 °C.
- Never install the device in front of entries, exits and passageways intended for auxiliary or emergency services.
- Position the device on a flat, sufficiently robust base, in the vicinity of a water connection and a continuous earthed electrical connection. Allow sufficient space at the front and rear of the device for maintenance repairs. Install the drip-tray in front of the device. Place the fixing cams of the drip-tray in the locating holes (fig. 1 , O).

3.2.1 Connection to the water mains (drinking water)

- Connect the device to the water supply system (**drinking water**) using an easily accessible manually operated tap in order that it is easy to shut off the water supply in the event of a disaster.

3.2.2 Connection to the electricity supply

WARNING

- △ Supply voltages may differ from one country to the next. Please ensure that the device is suitable for connection to your local network. The identification label contains data relating to supply voltage and frequency.
- Connect the device to the electricity supply to ensure a continuous supply of electricity. This maintains the operation of the cooling system and the water filter's (six-monthly) counter remains active.
- Ensure that the device is correctly earthed.



3.2.3 Connecting the drip-tray to the drain (optional)

- Connect the drip-tray (fig. 1 , E) to the drain with the aid of a drainage pipe. Drill a hole through the drainage spout at the rear of the drip-tray. It is easy to cut the drainage pipe to the desired length and then slide this over the drainage spout of the drip-tray.



CAUTION!

- Ensure that the drainage pipe lies flat.

3.2.4 Using the device the first time



CAUTION!

- Inspect the device before use and verify that it is not damaged.
- Once the device has been installed in place, you should wait for at least 1 hour before its first use.



TIP

- The first time the device is used, it makes use of the default factory settings. At a later date, **authorized personnel** can change these settings if required. See Chapter 6. for information on this.
- The first time the device is used, it takes approx. 30 minutes before the water has reached the desired temperature.

- Activate the device by putting the plug into the socket. The red triangle (fig. 1 , C1) and the display (fig. 1 , C2) briefly light up. The display then shows the temperature. The display continues to flash until the set temperature + 4 °C is reached.
- Wait approx. 10 minutes until the reservoir has filled.
- Deactivate the device by removing the plug from the socket.
- Use the draw-off tap (fig. 1 , G) to draw off approx. 2 litres of water and throw this away.
- Activate the device again by putting the plug into the socket.
- Wait approx. 30 minutes until the display shows the preset temperature of 6 °C.
- The device is then ready for use, see Chapter 4.
- Now only remove the plug from the socket for maintenance repairs.

4. EVERYDAY USAGE

During use, the default factory setting may not be considered to be correct or adequate for the situation in which the device is being used. These settings can be adjusted –by personnel with the appropriate authorization– in accordance with the instructions in Chapter 6.

Consequently, the present chapter (4.) only describes normal, everyday use of the device by any user.

Periodic maintenance activities for personnel with the appropriate authorization are described in Chapter 5.

4.1 Signalling and display

The following data can be read off the device during operations:

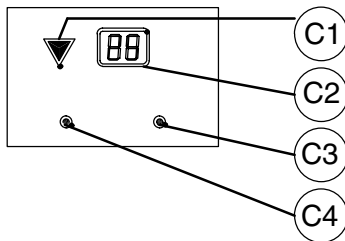


Fig. 4 Signalling and display

1. Display (C2) showing the set temperature.
2. Filter–replacement signalling (C1)
The red triangle lights up and flashes to indicate that the filter must be replaced. The filter–replacement procedure (to be conducted only by personnel with the appropriate authorization) is described in Section 5.3.2.

4.2 Operation



CAUTION!

- Ensure that the control buttons are kept free from dirt and grease.
- If the device is not to be used for a long period of time, break the connection with the electricity supply, shut off the water supply, remove the filter and throw it away.

4.2.1 Drawing off cold water

- The display flashes when the water has not yet reached the set temperature. Wait until the display is no longer flashing.
- Place a beaker under the cold–water outlet (fig. 1 , F) and draw off a refreshing beaker of cold water.

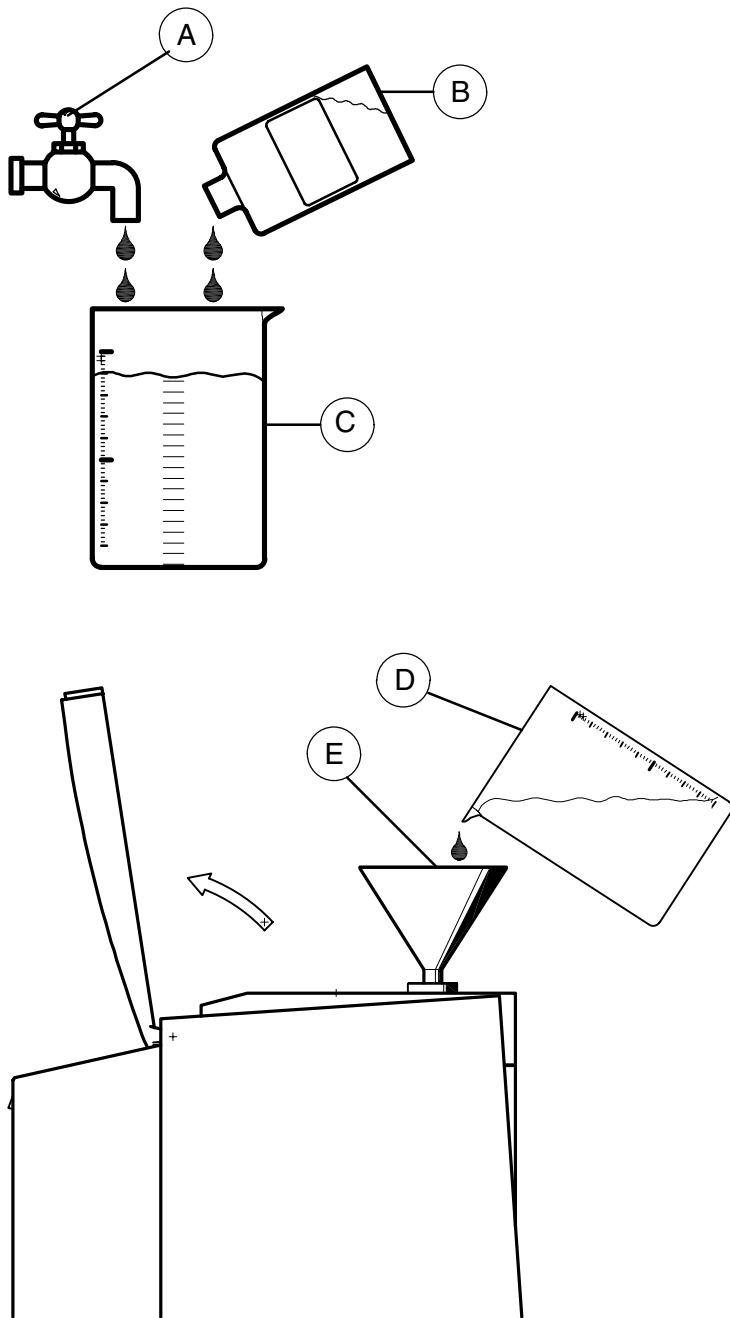


Fig. 5 Cleaning the cold-water reservoir

5. MAINTENANCE BY PERSONNEL WITH THE APPROPRIATE AUTHORISATION

5.1 General information on cleaning

- Clean the exterior of the device with a damp cloth (possible with a non-abrasive cleaning agent).
- Use a vacuum Cleaner to clean the grille at the rear of the device.

WARNING

- △ Do not spray the device so that it becomes wet and never submerge it in water.



5.2 Flushing the cold-water system

Flush the cold-water system with clean water if you have not used it to draw off water for one to two weeks:

1. Deactivate the device by removing the plug from the socket.
2. Use the draw-off tap to draw off the contents (approx. 2 litres) of the cold-water reservoir.

3. Reactivate the device by putting the plug into the socket.
4. Now wait approx. 30 minutes until the display stops flashing and the water is again at the set temperature.

The device is now ready for use.

5.3 Cleaning the cold-water reservoir

The cold-water reservoir must be cleaned:

- when the device has not been used for a relatively long period of time and the water that is drawn off has an unusual taste.
- when the water filter has been replaced, but the water that is drawn off still has an unusual taste.

1. Dissolve a liquid disinfectant (fig.5 B), for example sodium hypochlorite, in approx. 2 litres water (fig.5 A). Use a clean measuring jug for this!
2. Stir this briefly.
3. Deactivate the device by removing the plug from the socket.
4. Draw off all the contents of the cold-water reservoir.
5. Use the key to open the hatch (fig.1 H) and fold back the lid (fig.1 A).
6. Use the funnel (fig.5 E) to pour the sodium hypochlorite solution (fig.5 D) into the water inlet.
7. Allow this to stand for approx. half an hour.
8. Empty the cold-water reservoir entirely (approx. 2 litres) via the draw-off tap (fig.1 G).
9. Now pour in 2 litres of clean water into the reservoir and draw this off.
10. Repeat this two or three times in succession.



WARNING

- △ Remain in the vicinity of the device during the cleaning procedure.

5.3.1 Cleaning procedure for the cold-water reservoir

- See fig.5 .



WARNING

- △ Before use, first read the instructions for using the drinking water disinfectant. For example Hadex[®] (sodium hypochlorite).
- △ Wear suitable face protection and safety gloves when working with the disinfectant.

11. Close the lid (fig.1 A), use the key (fig.1 H) to close the hatch and reactivate the device by putting the plug into the socket.
12. Now wait approx. 30 minutes until the display stops flashing and the water is again at the set temperature.

The device is now ready for use.



TIP

- If the water filter has not been replaced for six months, it is advisable to do so immediately after this cleaning procedure. See Section 5.3.2 for information on replacing the filter.

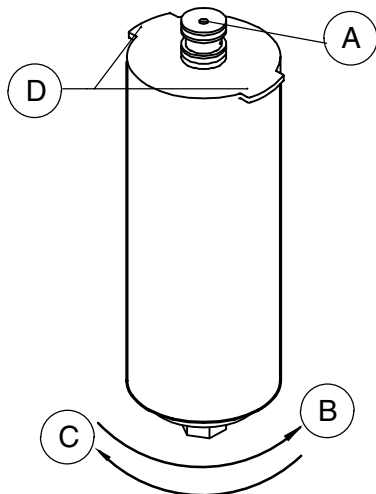


Fig. 6 Water filter

5.3.2 Replacing the water filter

When the filter-replacement indicator (fig.1 C1) flashes, the water filter at the rear of the device (fig.1 I) must be replaced (fig.6):

1. Place the new filter in a convenient position.
2. Record the current date on the enclosed sticker and affix this to the new water filter.
3. Deactivate the device by removing the plug from the socket.
4. Use the draw-off tap (fig.1 G) to empty the cold-water reservoir entirely (approx. 2 litres).
5. Turn the device through 90° (if possible) in order that the filter is more easily accessible.
6. Rotate the filter to be replaced through 90° in a clockwise direction (fig.6 C).

7. Use a little force to pull the filter downward, causing it to be released.
8. Remove the filter and throw it away.
9. Hold the new filter in such a way that the fixing cams (fig.6 D) are pointing towards the sides of the device.
10. Position the filter directly beneath the filter connections (fig.6 A) and use a little force to push it upward so that the fixing cams (fig.6 D) are touching the edge on the filter connection.
11. Now rotate the filter in an anticlockwise (fig.6 B) direction until it can be turned no further, thereby locking the filter in place.
12. Put the plug into the socket. Wait for 10 minutes, then remove the plug from the socket again. Draw off the entire contents of the reservoir (approx. 2 litres). Throw this away.
13. Reactivate the device by putting the plug into the socket.
14. Always reset the counter for the filter-replacement indicator to zero after replacing the water filter, this is as follows:
 - 14.1 Press both programming buttons (fig.1 , C3 and C4) and keep them pressed in (approx. 5 seconds) until the filter-replacement indicator (fig.1 C1) lights up.
 - 14.2 Now release both buttons.
 - 14.3 Within two second, press the left-hand button (fig.1 C4) and keep this button pressed in for approx. 5 seconds until the indicator lamp (fig.1 C1) is extinguished. The counter has now been reset to zero.
 - 14.4 Now wait approx. 30 minutes until the display stops flashing and the water is again at the set temperature.

The device is now ready for use.

TIP

- Ensure that there is always at least one spare water filter in stock.



CAUTION!

- The remaining maintenance activities are strictly reserved for specially trained service engineers for cold-water systems.



6. PROGRAMMING



CAUTION!

- Never use sharp objects to operate the programming buttons.

6.1 Programming facilities

6.1.1 Programming buttons

- The buttons (fig.7 , C3 and C4) are used for programming. These buttons are visible by means of a small white dot. They can also be felt with the fingers.

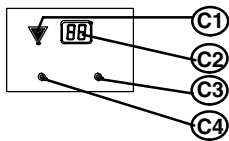


Fig. 7 Programming buttons

C3 = Programming button for increasing the set number of units ↑.

C4 = Programming button for decreasing the set number of units ↓.

6.1.2 Menus (P1, P2, P3 and P4)

The read-off and adjustment program comprises 4 menus, i.e. P1, P2, P3 and P4.

Menu	Default
P1 = Temperature setting	6 °C
P2 = Read off the counter of the Filter-replacement indicator	Level to date
P3 = Optional setting of the Filter-replacement indicator	5 (= 5000 l)

P4 = Read off the overall counter	Overall level to date
--	-----------------------

TIP

- **Care!** If no button is pressed during programming or reading off for 20 seconds, the program ends automatically and the set temperature reappears in the display. The modified settings are stored in the system.
- Before programming, establish which values are to be set for **P1** and **P3**. To this end, read the following text to find out about various possible settings.



6.1.2.1 General procedure

General procedure for using the programming buttons to proceed from P1 to P2, P3 and P4:

1. Press buttons (fig.7 , C3 and C4) simultaneously and keep them pressed in until P1 appears in the display (fig.7 C2).
2. Release the buttons very briefly and then press them again until P2 appears in the display.
3. Release the buttons very briefly and then press them again until P3 appears in the display.
4. Release the buttons very briefly and then press them again until P4 appears in the display.

6.1.2.2 P1 Temperature setting

1. Press buttons (fig.7 , C3 and C4) simultaneously and keep them pressed in until P1 appears in the display (fig.7 C2) (after approx. 10 seconds).
2. Release the buttons. The set temperature appears in the display.
3. Now press button (fig.7 C3) for a higher temperature or button (fig.7 C4) for a lower temperature.

The range of settings is from 5°C to 12°C.

The default factory setting is 6 °C.

6.1.2.3 P2 Displaying the number of litres drawn off

1. Press buttons (fig.7 , C3 and C4) simultaneously and keep them pressed in until P1 appears in the display (fig.7 C2).
2. Release the buttons very briefly and then press them again until P2 appears in the display.
3. Release the buttons. The display shows the number of litres that has passed through the present water filter. This number scrolls across the display continuously. The quantity comprises a number of no more than 5 digits (65535). If the number contains fewer than 5 digits, this will be filled up with dashes (e.g. – – – 4 0). This example shows that 40 litres of water have passed through the water filter. It is only possible to read off this level here, it cannot be adjusted.

6.1.2.4 P3 Filter–replacement status

1. Repeat points 1, 2 and 3 of § 6.1.2.1.
2. Release the buttons. The display shows the number of litres after which the water filter must be replaced. (The filter–replacement indicator lights up when this set level is reached.)
3. Now press button (fig.7 C3) to set a higher number of litres or button (fig.7 C4) to set a lower number of litres after which the filter must be replaced.

4. The range can be set from 0 to 10.
 - 0 = 0 litres, the filter–replacement indicator is switched off.
 - 1 = 1,000 litres
 - 2 = 2,000 litres
 - 3 = 3,000 litres
 - 4 = 4,000 litres
 - 5 = 5,000 litres
 - 6 = 6,000 litres
 - 7 = 7,000 litres
 - 8 = 8,000 litres
 - 9 = 9,000 litres
 - 10 = 10,000 litres

The default factory setting is 5.

TIP

- The filter–replacement indicator lights up after 5000 litres of water have passed through the filter.



6.1.2.5 P4 Display of the number of litres drawn off

1. Repeat points 1, 2, 3 and 4 of § 6.1.2.1.
2. Release the buttons.

The display shows the total number of litres that have been drawn off during the life span of the device. This number scrolls across the display continuously. The quantity comprises a number of no more than 5 digits (65535). If the number contains fewer than 5 digits, this will be filled up with dashes (e.g. – – 4 0 0). This example shows that a total 400 litres of water have been drawn off.
3. It is only possible to read off this level here, it cannot be adjusted.
4. Subsequently, the programming and read–off program automatically ends and the set temperature reappears in the display.
5. The modified settings are stored in the system.

7. CORRECTING MALFUNCTIONS

If the device is not operating (correctly), consult the following checklist to learn whether you can resolve the problem yourself. If this is not the case, please contact your dealer.

WARNING

△ Always check whether the malfunction of a mechanical or electrical nature. Work on and repairs to the electrical system and the cooling system are strictly reserved for service engineers with the appropriate authorisation and training.



7.1 General

LIST OF MALFUNCTIONS		
Symptom:	Possible cause:	Actions:
1. Nothing appears in the display.	The plug is not put into the socket.	Put the plug into the socket.
	The mains voltage is interrupted.	Switch on the mains voltage.
2. The device no longer switches off and/or no longer chills correctly.	The airflow to the condenser (rear) has become dirty owing to dust having been drawn in.	Use a vacuum cleaner to clean the grille at the rear.
	The grille is (partially) covered.	Ensure that the grille is free from obstacles that might impede the airflow.
	The device is being chilled inadequately because it has been installed too close to a source of heat.	Locate the device in a position where it can draw in cool air.
3. The water has an unusual taste when it is drunk.	The filter requires replacing.	Replace the filter, see § 5.3.2. Verify the filter settings and change these if necessary.
	The cold-water reservoir requires cleaning.	Clean the reservoir, see § 5.3.1.
	The device has not been used for a long period of time.	Replace the filter and clean the reservoir, see § 5.3.2 and 5.3.1.
4. The red lamp alongside the display (fig. 1 , C1) is flashing.	The period for the effective life of the filter has elapsed (6 months).	Replace the filter, see § 5.3.2.
	The set number of litres of P2 has been reached, see § 6.1.2.3.	Replace the filter, see § 5.3.2.

LIST OF MALFUNCTIONS		
Symptom:	Possible cause:	Actions:
5. The water is not at the desired temperature.	The temperature has been set either too high or too low.	Change the temperature of P1, see § 6.1.2.2.
6. The device does not dispense any water, and the display remains on 5.	This means the device is frozen. Check this via the filler opening (fig. 1 , N).	Switch off electricity and water supply. Place the device in a warm area until all the ice has disappeared from the reservoir. Check this via the filler opening (fig. 1 , N). Re-install the Chiller as is outlined in § 3.2 to § 3.2.2. Never use a hairdryer or anything similar to defrost the Chiller.

7.2 Display messages and their meaning

Messages may appear in the display during normal operations (e.g. in the case of malfunctions or errors) or during the adjustment procedure.

The table below contains an overview of these messages as well as the possible cause and the actions to be undertaken (by the system or the user) in order that the system can operate correctly again.

DISPLAY MESSAGES		
	Cause/Action of the system:	Action by the user:
“E1”	The water supply is interrupted or shut off.	Restore the water supply and reset the device by pulling the plug from the socket for several seconds.
	The overflow protection is activated. (Water is probably under the device.) The system is switched off automatically.	Pull the plug from the socket for several seconds and then put it into the socket again. If necessary, contact an authorised service engineer.

8. ORDERING CONSUMABLES AND ACCESSORIES

The consumables and accessories available for the device are indicated in the following lists.

- Send your order to your dealer, always indicating the following data with your order:
 - model code, type and serial number of the device (see the identification label)
 - name of the item in question
 - order number
 - quantity

8.1 Consumables

Name	Order number	Quantity
water filter	7.211.007.101	1

8.2 Accessories

Name	Order number	Quantity
drip-tray + grille	7.270.101.101	1
funnel	7.094.000.101	1
water-connection hose	6.000.205.050	1