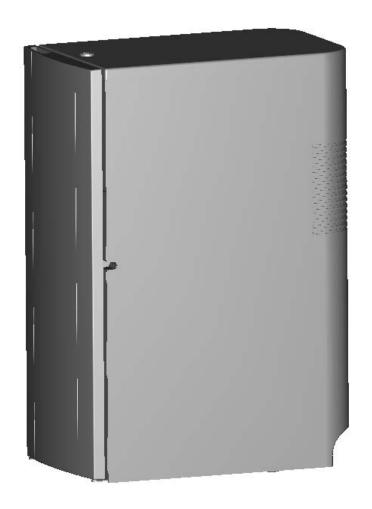


SCP cooling cell

Operating instructions



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To learn about the features of your new device, please read the information in these instructions carefully.



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1 Safety notes

The following signs and symbols are used in these operating instructions to point out sources of danger and special features:

A	Danger! Risk of	An imminently dangerous situation that may result in death or serious injury from electric shock.
	electrocution!	The measures described to prevent this danger must be adhered to.
	Caution! User at risk!	A generally dangerous situation that may result in injury. The measures described to prevent this danger must be adhered to.
	Caution! Device at risk!	A situation that may result in damage to the device. The measures described to prevent this danger must be adhered to.
	Caution! Risk of trapping fingers!	A dangerous situation that may result in crushing injuries. Identified solely by the symbol in the text below. The measures described to prevent this danger must
		be adhered to.
SSS	Caution! Hot surface!	A dangerous situation that may result in burn injuries. This danger is present at the cup warming positions (option).
		This danger is solely indicated by the symbol in the text below.
		The measures described to prevent this danger must be adhered to.

Dangers to the user:

- This device is not intended to be operated by persons (including children) with limited physical, sensory or mental capabilities or a lack of experience and/or knowledge.
- In case of a malfunction, pull the power plug (do not pull on the power cord) or switch off the fuse.
- Repairs, operations on the device and replacement of the power cable should only be performed by customer service or technical personnel trained in these procedures.
- When unplugging the device, pull only on the plug. Do not pull on the cable.
- Only set up and connect the device as described in the instructions.
- Keep these instructions in a safe place and give them to the new owner if the device should change hands.



- Do not damage the piping of the refrigeration circuit.
- Do not use open flames or sources of ignition inside the device.
- Do not use electrical equipment inside the device (for example, steam cleaners, heaters, ice cream makers, etc.).
- Do not store explosive substance or aerosol spray cans with flammable propellants such as butane, propane, pentane, etc., inside the device. These spray cans can be identified by the declaration of contents or a flame symbol. Escaping gases may be ignited by the electrical components.
- Avoid skin contact with cold surfaces.

2 The device at a glance

2.1 Device overviews

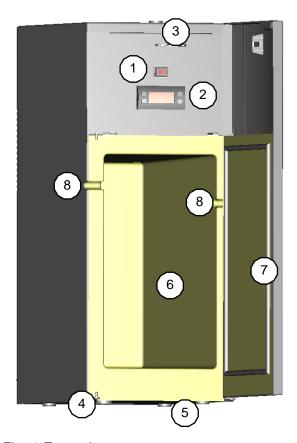


Fig. 1 Front view

- 1 On/off switch
- 2 Temperature display
- 3 Lock
- 4 Adjustable foot
- 5 Non-adjustable feet
- 6 Interior
- 7 Door with door seal (replaceable)
- 8 Feed-through for milk hose

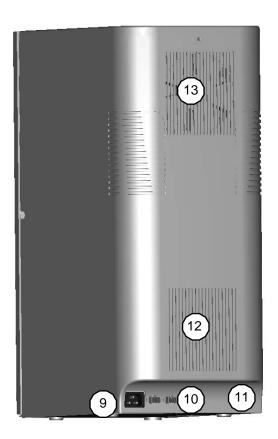


Fig. 2 Rear view

- 9 Refrigerator connector
- 10 Sensor connectors
- 11 Serial plate
- 12 Air supply (cold)
- 13 Air supply (warm)



2.2 Technical data

Width	230 mm
Height	563 mm
Depth	393 mm
Inside volume	16 I
Empty weight	12 kg
Noise level*	<70 dB

^{*} The A-weighted sound level (slow) and Lpa (impulse) at the operating personnel workstation is below 70 dB (A) in every operating mode.

2.3 Area of application of device

The device is only suitable for cooling pasteurised, homogenised and/or ultra heat treated milk. Only use the device for its intended use. Any other uses are not permissible.



The device is not suitable for storing and cooling medication, blood plasma, laboratory products or similar substances and products governed by the Medical Device Directive 2007/47/EC. Improper use of the device may damage the stored goods or cause their spoilage. Moreover, the device is not suitable for

operation in hazardous areas. The device is designed for operation in restricted ambient temperature ranges that depend on the particular climate class.

Note: Adhere to the specified ambient temperatures; otherwise, the refrigerating capacity will be reduced.

Climate class	for ambient temperatures
SN	10 – 32 °C
N	16 – 32°C
ST	16 – 38 °C
Т	16 – 43 °C

2.4 Conformity

The device meets the applicable safety regulations and the European Directives 2006/95/EC, 2006/42/EC and 2004/108/EC. Details can be found in the attached Conformity Declaration.

2.5 Saving energy

- Always ensure that the device is well ventilated. Do not cover the ventilation openings or the grilles.
- Do not set up the device in direct sunlight or next to heaters or similar heat sources.
- The energy consumption depends on setup conditions such as the ambient temperature (see 1.2).
- Open the device as briefly as possible.
- The lower the temperature setting, the higher the energy consumption.
- Avoid placing warm milk or milk at room temperature into the device.



3 Commissioning

3.1 Transporting the device



Risk of injury and damage from incorrect transport!

- Only transport the device in its original packaging.
- Only transport the device in an erect position. Never tilt the device by more than 45°, lay it on its side or place it upside down.

3.2 Unpacking the device

If the device is damaged, consult the supplier immediately before connecting the device.

- Unpack the cooling cell.
- Check the remaining package contents for accessories.
- Keep the original packaging for return shipment, if this should become necessary, or take the packaging material to an official recycling centre.

3.3 Setting up the device

In general, the cooling cell should be set up to the left or right of the coffee machine.



Location

The setup location of the device must meet the conditions specified below. Failure to comply with these conditions may lead to device damage. The following conditions absolutely must be met:

- The installation surface must be stable and level so that is does not become deformed under the weight of the device. The floor of the setup location must be horizontal and flat.
- Do not set up the device on hot surfaces, in direct sunlight or next to an oven, heater or similar device.
- Set up the cooling cell in such a way that it can be monitored by trained personnel at any time.
- Route the necessary supply connections to within 1 m of the machine location according to the on-site installation plans.
- Maintain the following clearances for maintenance work and operation:
 - Leave enough space above the device to insert and remove the lock.
 - Leave at least 15 cm clearance from the rear side of the machine to the wall (air circulation).
- Comply with all applicable local kitchen regulations.



Ambient conditions

The setup location of the device must meet the conditions specified below. Failure to comply with these conditions may lead to device damage. The following conditions absolutely must be met:

- Ambient temperatures of +16°C to +32°C
- Relative humidity of max. 80% rh



- The cooling cell is designed for indoor use only. Do not use in the open and never expose to the weather (rain, snow, subzero temperatures).
- Protect the device against spray water.

3.4 Power supply

Conditions

The electrical power supply must be connected in accordance with the applicable regulations (VDE 0100) and the regulations of the country of installation. The mains connection cable type must be at least H 05 VV-F. The voltage specified on the serial plate must match the supply voltage at the installation location.



Danger of electric shock! The following instructions absolutely must be complied with:

- The phase must be fused at the ampere value specified on the serial plate.
- It must be possible to disconnect the device from the mains power supply at all poles.
- Never operate a device with a damaged power cord. Have a defective power cord or plug replaced immediately by a qualified service technician.
- TM Technischer Gerätebau GmbH advises against using an extension cord. If, despite
 this, an extension cord is used (minimum cross-section: 1.5 mm²), observe the
 manufacturer data for the cord (operating instructions) and the locally applicable
 regulations.
- Route the power cord in such a way that it does not present a tripping hazard. Do not
 pull the cord over corners or sharp edges, pinch it between objects or allow it to hang
 loosely in the open. Do not position the other cords over hot objects, and protect the
 cord from exposure to oil and aggressive cleaning products.
- Never lift or pull the device by the power cord. Never pull the plug out of the socket by its cord. Never touch the power cord or plug with wet hands. Never insert a wet plug into a power socket.

3.5 Additional connections (empty detection)

The two connectors (10) are either for connecting one empty detection sensor (left and right) to each one or for connecting an empty detection sensor and the monitoring system for the interior and medium temperature using an NTC sensor.



4 Operation

4.1 Switching on

Before switching on the device, ensure that the device is connected to the power supply.



- Open the door (7).
- Switch the on/off switch (1) to position 1. The green light switches on.
- The display shows the current temperature and the blue snowflake flashes (top left corner). The device starts running after approx. 2 min. The blue snowflake lights up permanently.

4.2 Temperature setting

The device is set to 4 °C by default. To set another temperature, proceed as follows:



- Press and release the SET button. SET appears on the display.
- Press and release the SET button again. The preset temperature appears (e.g. 4°).
- Set the desired temperature using the up and down arrows (possible setting: 0°–8°).
- Press the button twice to return to the temperature display (if this button is not pressed, the temperature display automatically appears after approx. 30 s).

All other programming may only be performed by a service technician.

4.3 Filling

- Open the door
- Place suitable milk containers (food safe) or clean milk packs (Tetrapack, gallon bottles, etc.) upright into the cooling cell
- Connect the milk hose and route it through the feed-throughs (8)
- Close the door again



5 Cleaning



Risk of damage through incorrect handling!

- Do not use abrasive or scratchy sponges or steel wool.
- Do not use cleaning products that are aggressive, abrasive, sandy, chlorinated, acidic or contain chemicals.
- Do not use chemical solvents.

5.1 Cleaning the inside



There is a risk of contamination of the milk and cooling unit due to milk deposits and bacteria.

Clean the cooling unit daily.

- Open the door
- Switch off the cooling cell using the on/off switch (1)
- Pull the power plug
- Take out the milk containers or milk packs and hoses
- Clean the milk containers and milk hoses as specified by the coffee machine manufacturer
- Thoroughly clean the interior and door with water and a household cleaning product.
 Only use food-safe cleaning and care products.
- Wipe the device dry
- Fill the device (see Point 4.3)
- Switch on the device and close the door

5.2 Cleaning the outside

- Manually clean the outside and inside plastic surfaces with lukewarm water and a small amount of detergent. Use soft cloths and an all-purpose cleaner with a neutral pH value.
- Clean the outer stainless steel surfaces with a commercially available stainless steel cleaner.
- Regularly clean the ventilation grilles with a soft brush. Always ensure that the grille openings are clear.



6 Service and maintenance

6.1 Defrosting

A layer of frost and ice forms in the device during operation. Frost and ice forms more quickly if the milk is uncovered, if it is warm when placed in the device and if the device is opened frequently. A thicker ice layer causes an increase in energy consumption. Therefore, defrost the device regularly.



Risk of damage through incorrect handling!

- To defrost, do not use electrical heating or steam cleaning devices, open flames or defrosting sprays.
- Do not use sharp objects to remove the ice.

The device can be defrosted as follows during daily cleaning:

- Open the door and switch off the device. The ice or frost melts after approx. 10 min.
- Absorb the melt water with a sponge or cloth
- Clean the device and wipe it dry

6.2 Malfunctions

Your device is designed and manufactured to ensure functional reliability and a long service life. If a malfunction occurs during operation, please check whether the malfunction is due to an operating error.

- Is the device connected to the power supply?
- Is the power socket fuse OK?
- Is the device switched on?

If all above-mentioned conditions have been met and the device is not functioning or is not cooling properly, please contact customer service.

7 Disposal

The device contains valuable materials and must be disposed of separately from unsorted household trash. Old devices must be disposed of properly according to local laws and regulations.

When transporting the old device, make sure not to damage the refrigeration circuit so that refrigerant (specified on the serial plate) and oil cannot escape.



8 Liability

8.1 Operator obligations

Operators of devices such as these are responsible for regularly cleaning and maintaining the device and adhering to the safety and hygiene regulations.

The service area may only be accessed by the service technician.

The operator must ensure that the electrical equipment and operating fluids are in good condition.

8.2 Warranty and liability

No responsibility will be taken for warranty or liability claims in the event of personal injury or material damage as a result of one or more of the following causes:

- Unintended use of the device.
- Improper mounting, commissioning, operation, cleaning and maintenance of the device.
- Failure to observe maintenance intervals.
- Operating the unit with defective safety devices or safety and protective equipment that is not properly installed or is not functional.
- Failure to observe the safety notes in the operating instructions pertaining to storage, installation, commissioning, operation and maintenance of the device.
- Operating the device when it is not in perfect condition.
- Repairs carried out improperly.
- Use of non-original TM spare parts.
- Use of unallowed cleaning products.
- Catastrophic incidents due to foreign objects, accident, vandalism or force majeure.
- Penetrating the device with any type of object or opening the housing.