

# Installation instructions

Combined fridge-freezer with BioFresh compartment

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140213 **7085284 - 00**

**SBSes 8283 ... 6**

**LIEBHERR**

# General safety information

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The manufacturer works constantly on the further development of all the types and models. Therefore please understand that we have to reserve the right to make design, equipment and technical modifications.

To get to know all the benefits of your new appliance, please read the information contained in these instructions carefully.

**Instructions for action are marked with a ►, the results of action are marked with a ▷.**

## 1 General safety information

- The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency. It must be outside the area of the rear of the appliance.

	DANGER	identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
	WARNING	identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
	CAUTION	identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.
	NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.
	Note	identifies useful information and tips.

## 2 Installing the appliance



### WARNING

Fire hazard due to dampness!  
If live parts or the mains lead become damp this may cause short circuits.

- The appliance is designed for use in enclosed areas. Do not operate the appliance outdoors or in areas where it is exposed to splash water or damp conditions.



### WARNING

- Risk of fire due to short circuit!  
If the mains cable/connector of the appliance or of another appliance touch the rear of the appliance, the mains cable/connector may be damaged by the appliance vibrations, leading to a short circuit.
- Stand the appliance so that it is not touched by connectors or main cables.
- Do not plug the appliance or any others into sockets located near the rear of the appliance.



### WARNING

- Fire hazard due to refrigerant!  
The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.
- Do not damage the piping of the refrigeration circuit.



### WARNING

- Fire hazard and danger of damage!  
► Do not place appliances emitting heat e.g. microwaves, toasters etc. on the appliance!



### WARNING

- Blocked ventilation openings pose a risk of fire and damage!  
► Always keep the ventilation openings clear. Always ensure that the appliance is properly ventilated!

- In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.
- The floor at the site must be flat and level.
- Do not install the appliance in a location where it is exposed to direct radiation of the sun, next to a cooker, heater and similar.
- Always stand the appliance with its back directly to the wall.
- The appliance may be moved only when it is empty.
- Do not install the appliance without assistance.
- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m<sup>2</sup> per 8 g of R 600a refrigerant used in the appliance. If the room in which the appliance is installed is too small, a flammable gas-air mixture may form in the event of a leakage in the refrigeration circuit. The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.
- Detach the connecting cable from the rear of the appliance, removing the cable holder at the same time because otherwise there will be vibratory noise!
- Remove the protective film from the outside of the appliance.

### NOTICE

The stainless steel doors are provided with a high-quality surface coating and must not be treated using the accompanying care product.



- Otherwise the surface coating will be affected.
- Wipe the coated **door surfaces** using a soft, clean cloth only.
- Apply a stainless steel cleaner only to the **stainless steel side walls** evenly, wiping with the grain. Subsequent cleaning becomes easier as a result.
- Wipe **side walls with a paint finish** using a soft, clean cloth only.
- Remove all transit supports.

- ▶ Dispose of packaging material.
- ▶ Mount the appliances according to the separate installation instructions.

## Note

- ▶ Clean the appliance .

If the appliance is installed in a very damp environment, condensate may form on the outside of the appliance.

- ▶ Always see to good ventilation at the installation site.

## 3 Side-by-side assembly

Install the freezer or the appliance with freezer compartment on the left as viewed from the front. These appliances have a side-wall heating on the right-hand side to prevent the formation of condensation.

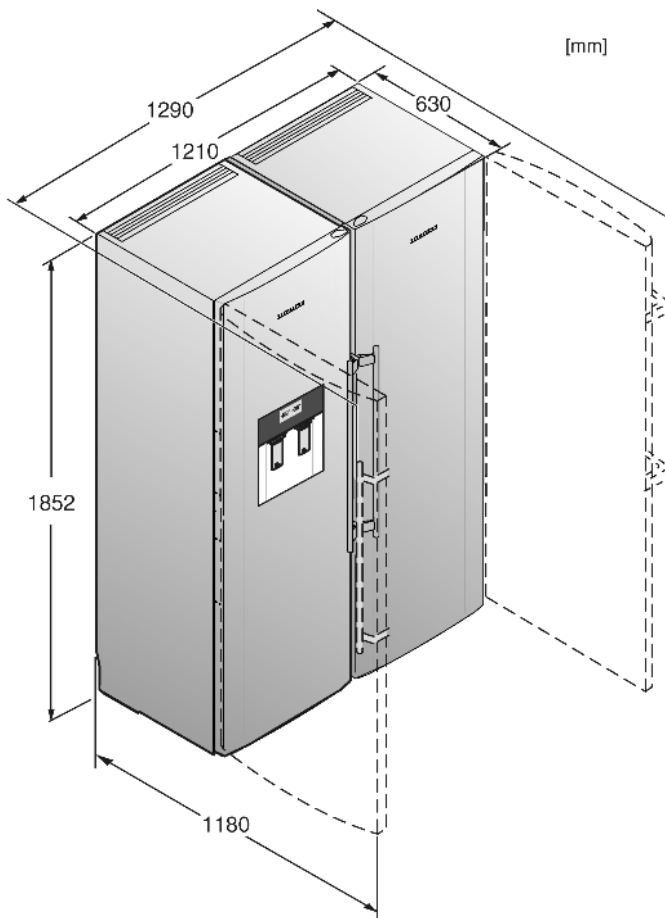


Fig. 1

All the assembly components are supplied with the appliance.

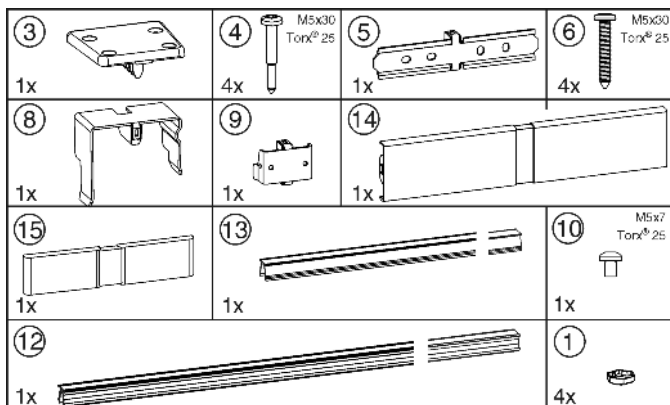


Fig. 2

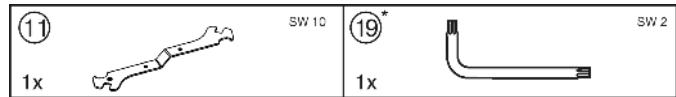


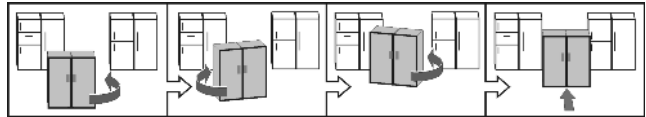
Fig. 3

Ensure that the following tools are to hand:

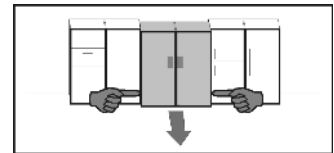
- Spirit level
- Power screwdriver
- Screwdriver Torx® 25
- Open-ended spanner size 10 (included in supply package)
- Allen key size 2 (included in supply package)

### Information for moving the combined appliance:

- Before assembling the appliances, site them as closely as possible to the final position.
- When moving the appliances, always take hold of them at the outer front corners. On no account should you push with your knee against the side walls or door.
- The combined appliance is easiest to shift diagonally by moving the left and right corner alternately. Once the combined appliance is exactly in front of the aperture, push it straight in.



- If the combined appliance has to be pulled out of the aperture again, take hold of it in the lower third area and pull it straight forwards.



### NOTICE

Risk of damage when moving the combined SBS appliance! The combined SBS appliance is heavy once assembled. The appliance may be dented by improper movement.

- ▶ Observe the information given on moving the appliance (see above).

- ▶ Remove all protective film from the outside of the housing.

### On the front of the appliance:

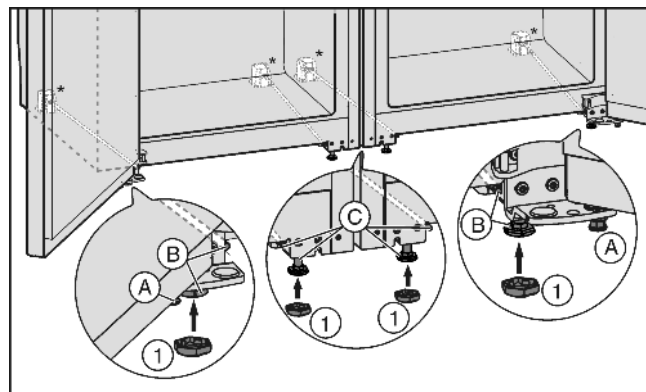


Fig. 4

- ▶ If necessary, completely retract the height-adjustable feet Fig. 4 (A) at the front of both appliances so that they are not touching the floor.
- ▶ Place the caps Fig. 4 (1) onto the four front height-adjustable feet.
- ▶ Push both appliances together up to approx. 10 mm apart so that they stand flush at the front.

# Side-by-side assembly

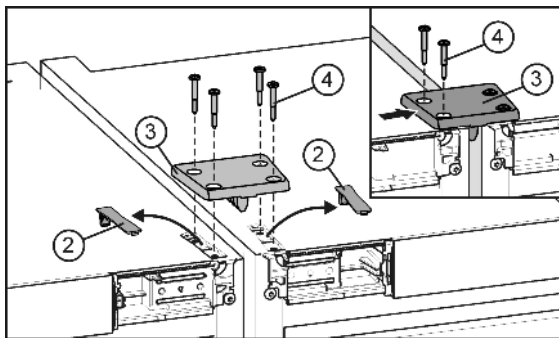


Fig. 5

- ▶ Unclip and remove the covers Fig. 5 (2).
- The joining plate automatically aligns the height of the appliances. If one appliance is slightly higher than the other, start with that appliance.
- ▶ Put the joining plate Fig. 5 (3) in place and fix it loosely to one appliance with two screws Fig. 5 (4).
  - ▶ Move the joining plate sideways so that the centre bar of the plate lies on the side wall of the appliance. Tighten the screws.
  - ▶ Now screw the joining plate to the other appliance. As you do this, shift the appliances together or apart slightly as necessary.

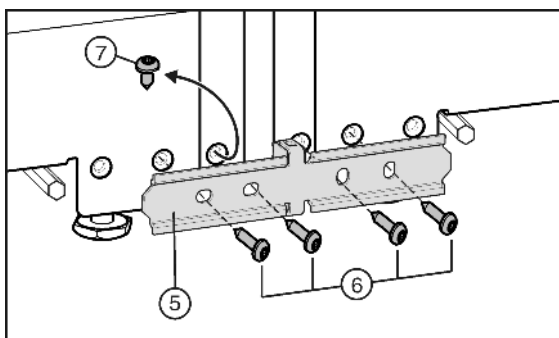


Fig. 6

- ▶ If the appliance is fitted with the pre-mounted screw Fig. 6 (7): Undo the screw.
- The joining plate automatically aligns the depth of the appliances. If one appliance is further forward than the other, start with that appliance. Otherwise start with the appliance on the left.
- ▶ Fix the joining plate Fig. 6 (5) loosely to one appliance with two screws Fig. 6 (6).
  - ▶ Move the joining plate sideways so that the centre bar of the plate lies on the side wall of the appliance. Tighten the screws.
  - ▶ Now screw the joining plate to the other appliance. As you do this, shift the appliances together or apart slightly as necessary.

## On the rear of the appliance:

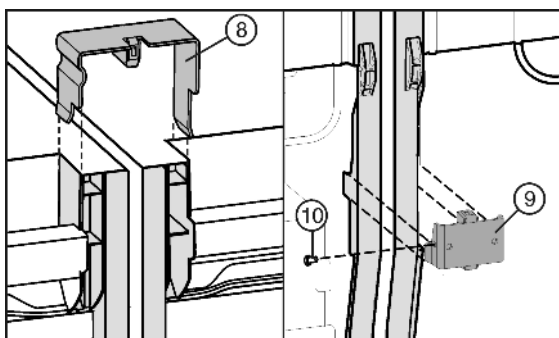


Fig. 7

- ▶ Insert the joining clamp Fig. 7 (8) at the top of the centre side walls.
- ▶ Insert the joining angle Fig. 7 (9) into the recess at the bottom.
- ▶ If the joining angle is too loose, fix it with a screw Fig. 7 (10).

## Note

- ▶ To avoid vibration noise, ensure neither the clamps nor the screws are in contact with the tubes on the rear of the appliance!

## On the front of the appliance:

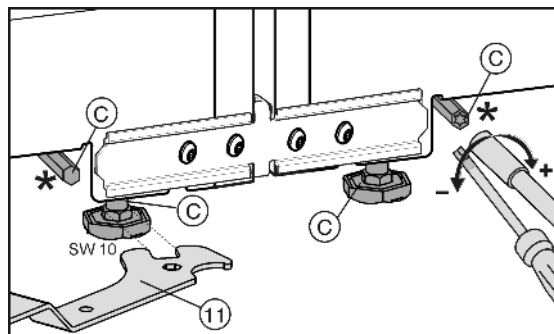


Fig. 8

## NOTICE

Risk of damage to the castor bases!

- ▶ When aligning the appliance by the back adjustable feet, do not use a cordless screwdriver, as this will either damage the height adjustment mechanism or possibly loosen the adjusting rod. Adjust the feet by hand.

You can adjust the front height-adjustable feet with the open-ended spanner Fig. 8 (11) included in the supply package, and the rear height-adjustable feet\* with a Torx® 25 screwdriver.

- ▶ Retract the centre height-adjustable feet Fig. 4 (C) so they are not in contact with the floor.
- ▶ Level the combination using the outer height-adjustable feet Fig. 4 (B).

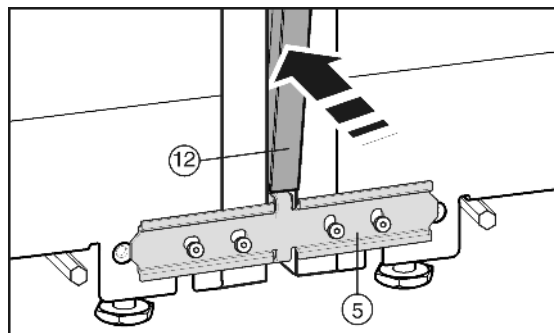


Fig. 9

Before fitting the cover strip Fig. 9 (12), press the two bars together along the whole length. That makes it easier to insert the strip into the gap. Use a soft cloth to press the strip into place to avoid making dents in the surface. Carefully press the strip into the gap, keeping it straight, to achieve an optimal joint.

- ▶ On the front, press the long cover strip Fig. 9 (12) into the vertical gap. Make sure the strip sits on top of the joining plate Fig. 9 (5).
- ▶ Peel the protective film off the cover strip.\*

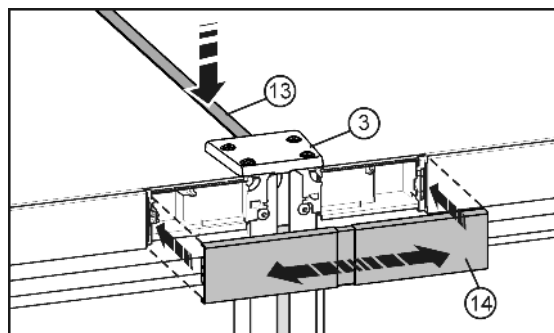


Fig. 10

- ▶ On the top of the appliances, press the short strip *Fig. 10 (13)* into the gap. Make sure the front edge of the strip is flush with the joining plate *Fig. 10 (3)*.
- ▶ Clip the cover *Fig. 10 (14)* over the gap between the two control panel covers. Make sure the side edges of the cover are flush with the control panel covers. To enable this, the cover is expandable.

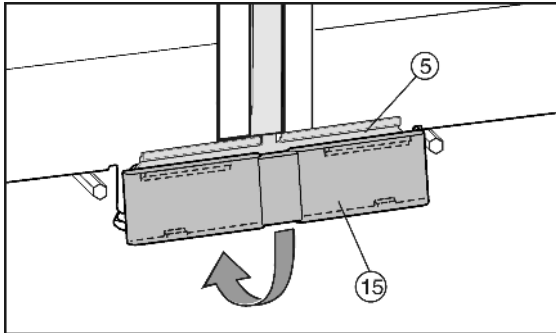


Fig. 11

- ▶ Fit the bottom cover *Fig. 11 (15)* from above onto the joining plate *Fig. 11 (5)* and snap it in at the bottom.

## 4 Fitting hoses and cables

The assembly components accompany the appliance:

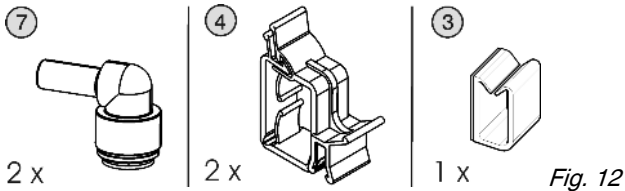


Fig. 12

- ▶ Undo the cable binders, remove the cables (1) and put them down at the sides.

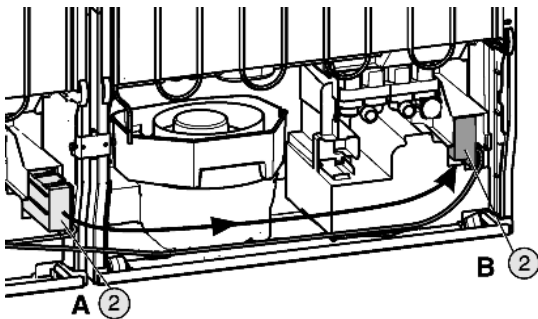


Fig. 13

- ▶ Remove the bus connection module *Fig. 13 (2)* from the transport position of the refrigerator **A** by pressing the side snap catch to the right, and transfer the module to the corresponding position on the freezer **B**. The catch must snap into place audibly.

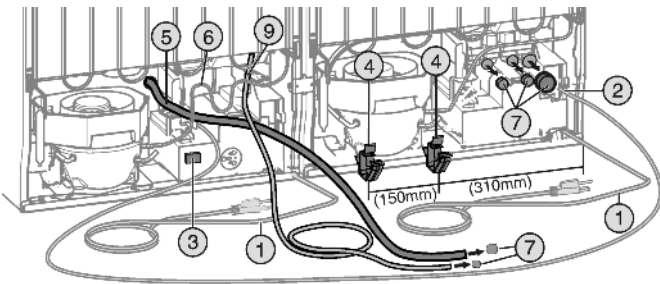
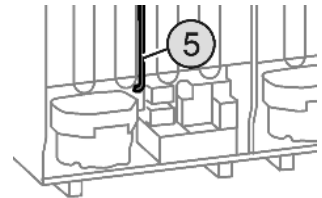


Fig. 14

- ▶ Stick on the holder *Fig. 14 (3)*.
- ▶ Open the two holding clips *Fig. 14 (4)* and slide them onto the compressor holder at the distance indicated.

- ▶ Pull out the insulated hose *Fig. 14 (5)* and pull it through behind the tube *Fig. 14 (6)*.



- ▶ Remove the protective caps *Fig. 14 (7)* from the hose ends and from the solenoid valves.
- ▶ Mark the insertion depth on the two hoses (17 mm).
- ▶ Push the hoses into the plug-in elbows *Fig. 15 (8)*, pushing them over the ridges as far as they will go (approx. 17 mm marked insertion depth.)

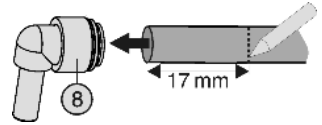


Fig. 15

### Note

- ▶ In case of disassembly: Press back the dark grey ring on the plug-in elbow and pull out the hose at the same time.

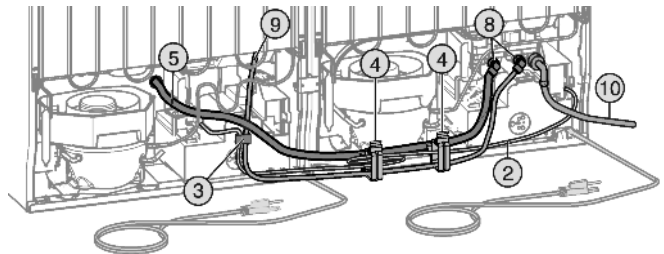


Fig. 16

### NOTICE

Danger of damage to the water circuit!

- ▶ When inserting the hoses, note the colour codes on the solenoid valve connectors (insulated hose on blue, other hose on red)!

- ▶ Push the plug-in elbow *Fig. 16 (8)* of the insulated hose *Fig. 16 (5)* into the connection (blue) of the solenoid valve as far as it will go.
- ▶ Push the plug-in elbow *Fig. 16 (8)* of the other hose *Fig. 16 (9)* into the connection (red) of the solenoid valve as far as it will go.
- ▶ Place the non-insulated hose *Fig. 16 (9)* into the holder *Fig. 16 (3)* and the holding clips *Fig. 16 (4)*.
- ▶ Also place the cable of the bus connection module *Fig. 16 (2)* into the holder *Fig. 16 (3)* and the holding clips *Fig. 16 (4)*. Close the holding clips.
- ▶ Lay the insulated hose *Fig. 16 (5)* on the appliance floor behind the holding clips *Fig. 16 (4)*.
- ▶ This prevents any damage to cable and hoses when moving the combined appliance.

### NOTICE

Risk of damage!

If you make sharp bends in the hoses or squash or damage them when pushing them into the aperture, the unit will not work and water can leak out.

- ▶ Check the routing of the hoses.
- ▶ Check that all the fitted parts are connected completely and correctly.
- ▶ Fit the water connection *Fig. 16 (10)* (see 5).



# Water connection

## 5 Water connection



### WARNING

Danger of electric shock!

- ▶ Disconnect the appliance by unplugging it before you connect it to the water line.
- ▶ Shut off the water supply before you connect the water feed lines of the IceMaker.
- ▶ The connection to the drinking water system may be carried out only by a qualified gas fitter and plumber.



### WARNING

Risk of poisoning!

- ▶ The water quality has to comply with the drinking water ordinance of the respective country (e.g. 98/8)
- ▶ The IceMaker serves exclusively for making ice cubes in household quantities and has to be operated with water suitable for the purpose.

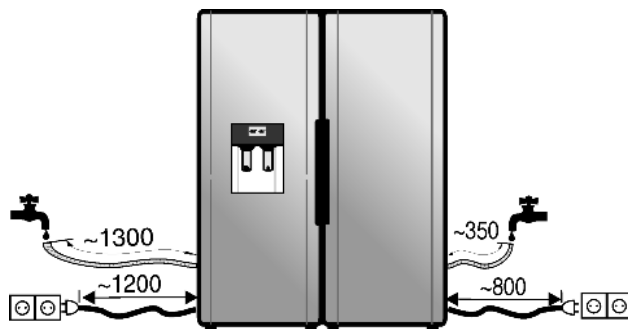


Fig. 17

- The water pressure has to be between 0.15 MPa and 0.6 MPa (1.5 bar - 6 bar).
- If a water filter is used, the information on water pressure in the **section Using the water filter** (see 8) applies.
- The water supply to the appliance must be via a cold water pipe which withstands the operating pressure and complies with the hygiene regulations.  
Use the accompanying stainless steel hose (1.5 m). Do not reuse old hoses. A 3 m hose is available from the customer service department and has to be fitted by an expert.  
In the hose connecting piece is a sieve with seal.
- Between the hose and the domestic water connection there has to be a stopcock to interrupt the water supply in case of need.
- The stopcock should be outside the area at the back of the appliance and should be readily accessible so that the appliance can be slid in as far as possible and the stopcock can be closed quickly if necessary. Observe the clearances Fig. 17.
- All the fixtures and fittings used for water supply have to comply with the applicable regulations of the respective country.
- Do not damage or kink the water inlet pipe when installing the appliance.

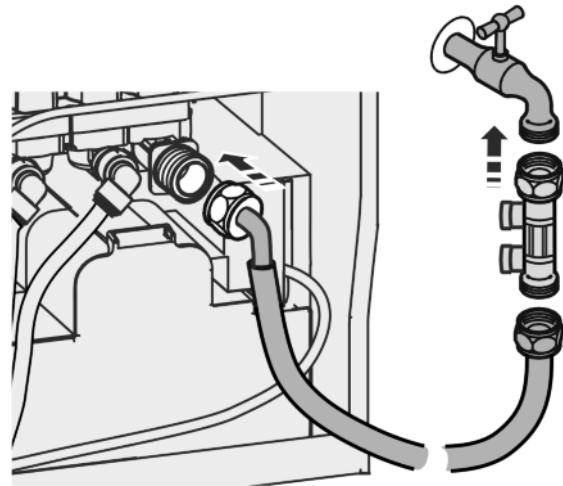
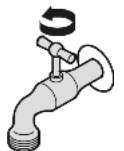


Fig. 18

- ▶ Connect to the water supply through a non-return valve, type EA.
- ▶ Connect the straight part of the accompanying stainless steel hose to the stopcock.

The solenoid valve is at the bottom back of the appliance. It has a metric R3/4 connecting thread.

- ▶ Open the stopcock of the water supply and check that the entire water system is leakproof.  
Before initial use:
- ▶ Have the water pipe bled of air by the proper expert.



### NOTICE

Malfunction of the water intake!

- If the water intake is shut off during operation but the IceMaker remains in operation, the water intake pipe may ice up.
- ▶ Switch off the IceMaker if the water supply is interrupted (e.g. holiday).

## 6 Insertion into a row of kitchen units

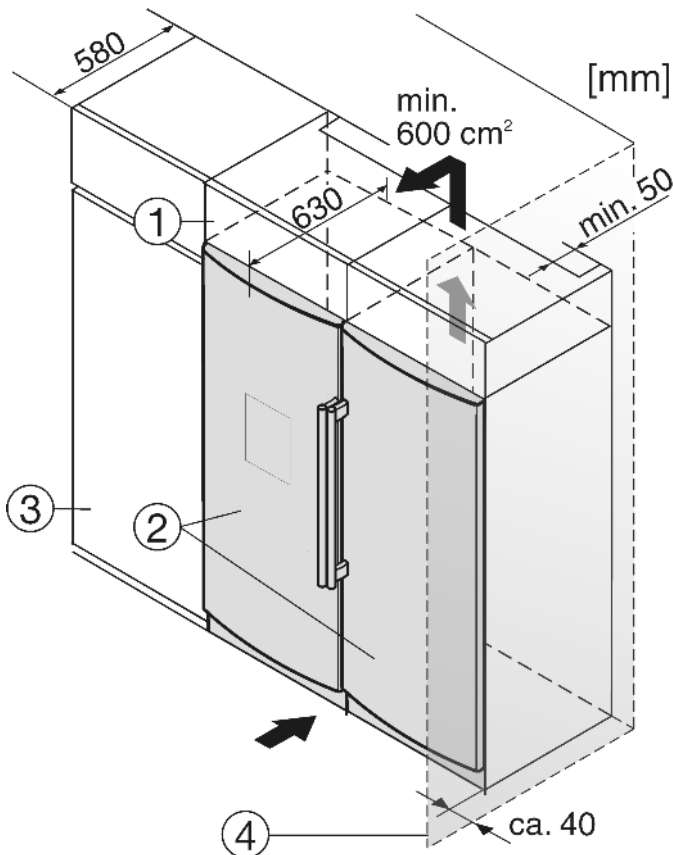


Fig. 19  
 (1) Stack cabinet (3) Kitchen cabinet  
 (2) Appliance (4) Wall

The appliance can be inserted into a row of kitchen units. To match the appliance Fig. 19 (2) to the height of the row of units, a suitable stack cabinet Fig. 19 (1) can be fitted above the appliance.

When inserting the appliance into a row of kitchen units (max. depth 580 mm), the appliance can be installed directly next to the kitchen unit Fig. 19 (3). The appliance door projects relative to the front of the kitchen unit by 34 mm at the side and by 50 mm in the middle of the appliance. It can be opened and closed perfectly as a result.

Important for the ventilation:

- At the back of the stack cabinet there has to be a ventilation duct of at least 50 mm depth throughout the width of the stack cabinet.
- The ventilation space under the ceiling has to be at least 600 cm<sup>2</sup>.
- the larger the ventilation space, the more energy-saving the appliance is in operation.

If the appliance is installed with the hinges next to a wall Fig. 19 (4), the distance between appliance and wall has to be at least 40 mm. This corresponds to the projection of the handle when the door is open.

## 7 Finish setting up the combination.

Connect the combined appliance to the mains (see 9).  
 When the appliances are assembled and all connections attached:

### NOTICE

Risk of damage when moving the combined SBS appliance!  
 The combined SBS appliance is heavy once assembled. The appliance may be dented by improper movement.

- Observe the information given on moving the appliance (see above).

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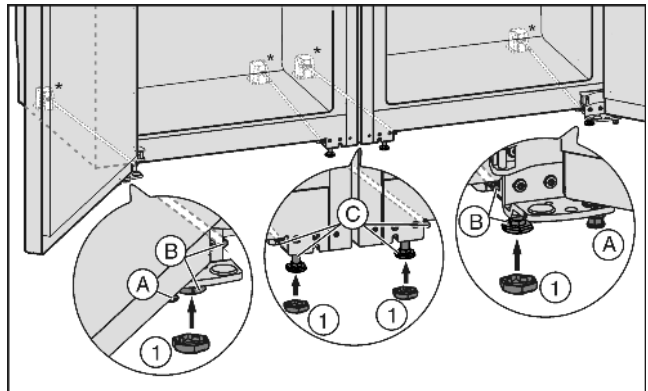


Fig. 20

- Carefully slide the combination into the intended position.
- If necessary, align the height with the height-adjustable feet.
- Lower the centre height-adjustable feet Fig. 20 (C) until they touch the floor.
- Then support the door: Extend the height-adjustable feet Fig. 20 (A) at the turn hinge until they are resting on the floor, then turn them further by 90°.

The doors can be aligned in height with the aid of the outer, lower turn hinges:

- Extend the threaded pin Fig. 21 (17) a little (by one turn at most!).

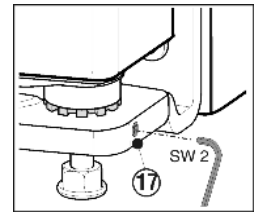


Fig. 21

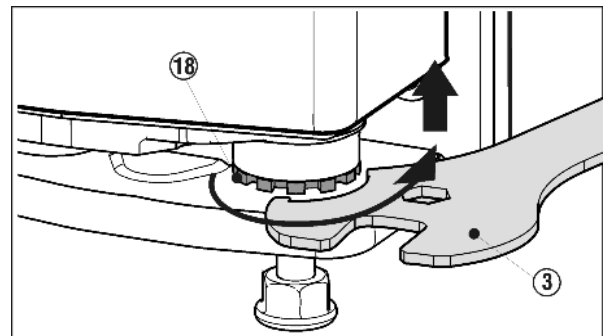


Fig. 22

- To lift the door, turn the bearing pin Fig. 22 (18) clockwise using the open-ended spanner Fig. 22 (11) included in the supply package. In the delivery condition, the bearing pin is completely screwed in.
- Tighten the threaded pin Fig. 21 (17) again to secure the bearing pin.

## 8 Using the water filter

The water filter guarantees optimal water quality and should be used when the combined appliance is put into operation.

Alternatively the appliance can also be operated without water filter.

Flow rate	1.89 lpm
Water connection	Drinking water

# Connecting the appliance

Water pressure	2,8 bar - 6,2 bar/ 0.28 MPa - 0.62 MPa
Water temperature	0.6 °C - 37 °C
Capacity	1135 l



## WARNING


Risk of intake of harmful substances!

- ▶ If the water poses a microbiological risk or is of unknown quality, do not use the system without suitable disinfection upstream or downstream of the system. The water filter cannot produce drinking water from water of inferior quality.

## NOTICE

Risk of material damage due to seepage!

- ▶ Do not connect to hot water pipes. The maximum process water temperature of this system is 37,7 °C.
- ▶ Installation and use **MUST** comply with all national and local installation regulations.
- ▶ Do not install in water hammer conditions. In case of water hammer, install an anti-pressure surge device. If you are uncertain about checking these conditions, consult a plumber.
- ▶ Do not install if water pressure exceeds 6,2 bar. If your water pressure exceeds , install a pressure limiting valve. If you are uncertain about checking the water pressure, consult a plumber.
- ▶ Protect against frost; if temperatures below 0.6 °C are to be expected, remove the filter.
- ▶ Given the prescribed performance, the disposable filter cartridge has to be replaced every 6 months when the filter

button  shines or when there is a significant reduction in the throughput rate.

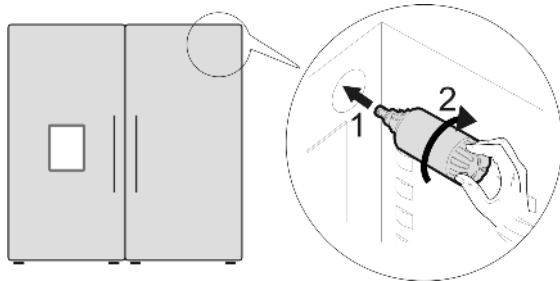
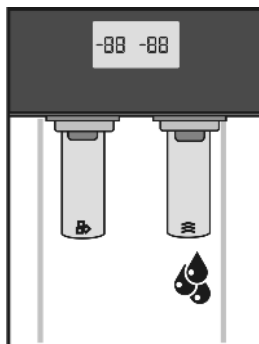


Fig. 23

- ▶ Remove the cover and store it in a suitable place. The cover can be used as dust protection if no water filter is used.
- ▶ Remove the supplied water filter from the packaging.
- ▶ Insert the water filter and turn it clockwise through approx. 100° up to the stop.
- ▶ Allow water to run for about 3 minutes to remove air from the system: Actuate the paddle several times because it switches off automatically after about 30 seconds. Wait about 1 second before re-actuating the paddle.



## Note

New water filters may contain suspended matter.

- ▶ Do not use the first filling of the ice-cube drawer. Throw it away.

- ▶ Check whether the filter is leakproof and no water escapes.
- ▷ The water filter is now ready for use.

## 9 Connecting the appliance

### NOTICE

Risk of damage to the electronic control system!

- ▶ Do not use stand-alone inverters (conversion of d.c. to a.c./ three-phase) or energy saving plugs.



## WARNING

Fire and overheating hazard!

- ▶ Do not use extension cables or multiple socket outlets.

The type of current (alternating current) and voltage at the installation site have to conform with the data on the type plate (see Appliance at a glance).

The socket must be properly earthed and fused. The tripping current for the fuse must be between 10 A and 16 A.

The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency. It must be outside the area of the rear of the appliance.

Keep to the distance measurements to the socket outlet.

- ▶ Check the electrical connection.
- ▶ Plug in the power plug.

