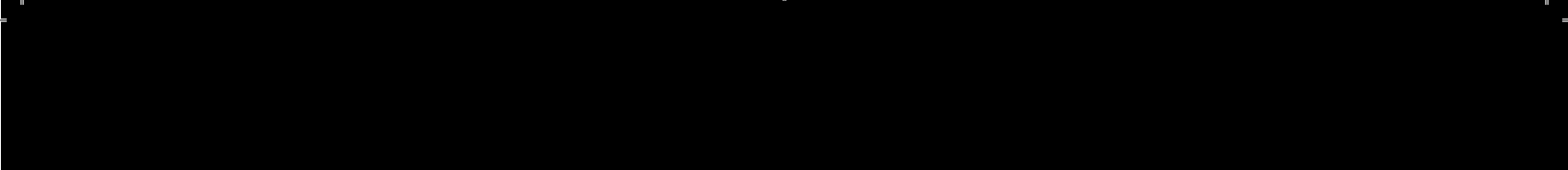


MOD : WR-TAB1-B1

Production code : BBC 138

 
 *Instruction manual*

BACK BAR RANGE

P2M019STD VER.1.0



Dear Customer,

Congratulations on your purchase of this product. Like all products, this product has also been developed on the basis of the latest technical knowledge and produced using reliable and modern electrical/electronic components.

Please take a few minutes before starting operation of the machine and read the following operating instructions.

Many thanks.



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IMPORTANT SAFETY INSTRUCTIONS

Read these instructions for use carefully before using the device. Observe all safety instructions, so as to avoid damage through improper use.

1. Keep this instruction manual for future use. Should this appliance be passed on to a third party, this instruction manual must be handed over.
2. This appliance is heavy. To prevent injury or damage to it, unpack and set up with two people.
3. Never use a damaged appliance! Disconnect the appliance from the mains outlet and contact your supplier, if it is damaged.
4. Connect and install this appliance in strict compliance with the relevant instructions in this manual.
5. Only use the appliance for its intended use. The appliance is intended for commercial use.
6. No responsibility is accepted for damage resulting from improper use or non-compliance with the instructions.
7. Only use the appliance indoors.
8. Danger of electric shock! Never try to repair the appliance yourself. Refer to qualified customer service outlet for maintenance and repairs.

IMPORTANT SAFETY INSTRUCTIONS

9. Regularly check the power plug and power cord for damage. A damaged power cord has to be replaced by the manufacturer, his customer service or a similar qualified person in order to avoid danger of injury.
10. Before inserting the power plug into the mains outlet, check that the power supply voltage and current rating corresponds with the power supply details shown on the appliance rating label.
11. Avoid damage to the power cord. Do not squeeze, bend or scour on sharp edges. Keep away from hot surfaces and naked flames.
12. Please connect the earthing wire to the terminal of equipotentiality using a qualified technician.
13. For your safety, only connect the appliance with a properly earthed mains outlet. Unplug the appliance immediately if you get an electric shock when touching the appliance.
14. Do not pull on the power cord. Only pull on the plug. Do not wrap the power cord around the appliance.
15. This appliance must be earthed!
16. Securely route the power cord so that no unintentional pulling or tripping over it is possible.
17. Connect the power plug with an easy reachable mains outlet so that in case of an emergency the appliance can be unplugged immediately.
18. Only use original accessories.
19. The appliance is powered when connected to the power supply.
20. Warning! Do not insert any objects into the casing of the appliance.
21. Do not open the casing.
22. Do not obstruct or cover the ventilation openings. Keep the appliance well ventilated at all times.
23. Should the cover of the light or ventilator grill fall off or break, unplug the appliance immediately and contact qualified personnel for repairs.
24. 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.
25. Children should be supervised to ensure that they do not play with the appliance.
26. Do not keep the key of the appliance lock near or within reach of children.
27. Do not touch the appliance with wet or damp hands. Do not operate the appliance with wet hands or standing on a wet floor.

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IMPORTANT SAFETY INSTRUCTIONS

28. Warning! During cleaning or operation do not immerse the appliance in water or other liquids. Do not clean the appliance with a garden hose.
29. Should water flow into the appliance, immediately unplug the appliance and let it be inspected by qualified personnel before using again.
30. Do not place combustible, explosive or volatile articles, corrosive acids or alkali in the appliance. Store high-proof spirits only in upright position and close them properly. Containers with flammable gases and liquids can leak at low temperatures and catch fire from electrical appliances' sparking. Danger of explosion!
31. Warning! This product is for food storage with containers. Do not place food without container.
32. Danger of fire! In event of refrigerant leakage, unplug the appliance, remove any ignition sources nearby, ventilate the room and contact your supplier. Avoid contact with the eyes as the refrigerant may cause serious eye injury. You can find details on the refrigerant on the rating label.
33. Do not accelerate the defrosting process by using mechanical devices, heating sources (candles or heaters) or other means. The emerging steam can cause short circuit and too high temperatures can damage the synthetic covering of the appliance.
34. Caution: Fire hazard
35. Warning – keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for built-in.
36. Warning – do not use mechanical devices or other means to accelerate to defrosting process ,other than those recommended by the manufacturer.
37. Warning – do not damage the refrigerant circuit.
38. Warning – do not use electrical appliances inside the food storage compartments of the appliance ,unless they are of the type recommended by the manufacture.

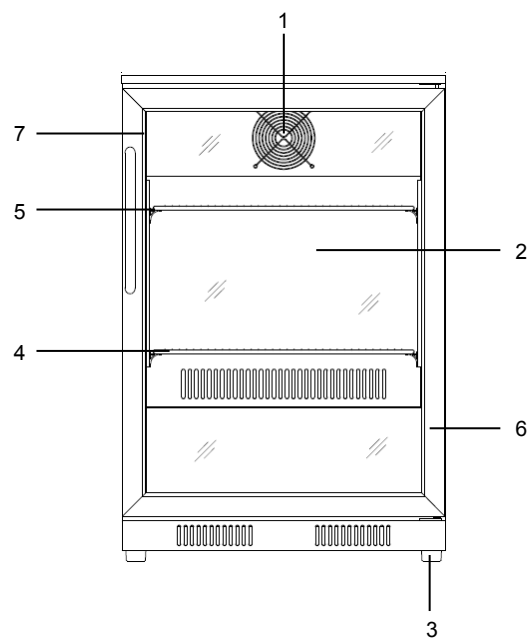


INTENDED USE

Only use this appliance for cooling and storage of food and beverage for commercial purposes.

PARTS

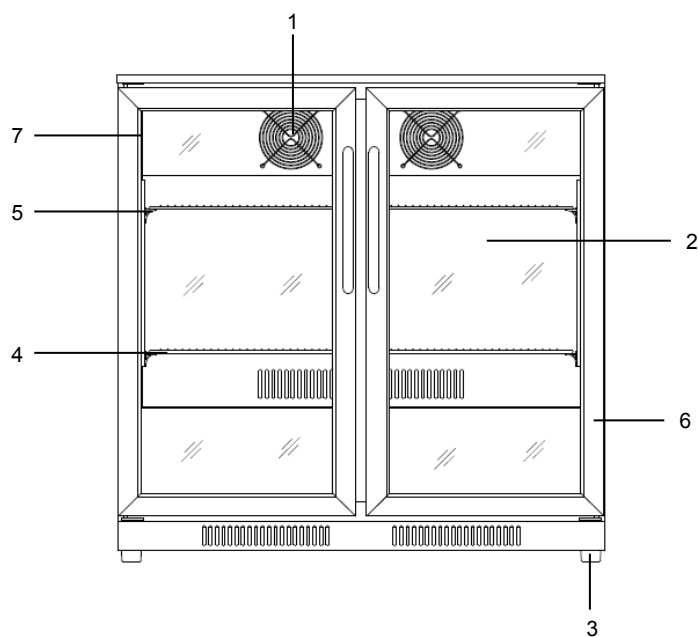
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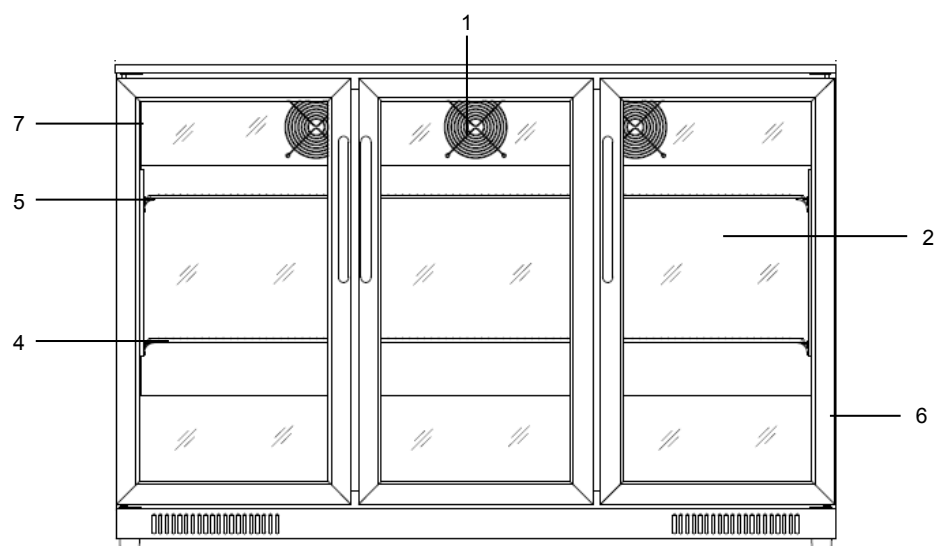
1. Ventilation opening with grill
2. Casing
3. Castors
4. Shelves
5. Inner compartment
6. Door
7. Lamp

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BBC208H / BBC208S



BBC330H / BBC330S



Controller Operation Instrction

The front panel of the thermostat



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1. Indicator light status description

Indicator light	Symbol	Status	Meaning
Setting	set	ON	Parameter setting
		OFF	Status of temperature measuring and controlling
Control load	out	ON	Control load works
		OFF	Control load stops
		FLASH	Control load in time delay
Heating mode	H	ON	Start heating mode
Refrigeration mode	C	ON	Start refrigeration mode
Defrost	def	ON	Start defrosting

2. Parameter list

Keys	Function
Set	Enter the status of parameter setting
	Switch between menu and parameter
	Adjust menu and parameters
	Open/close light (only valid for the model with light control)
	Adjust menu and parameters
	Press 10s to execute parameter one-key recovery
	Exit from parameter setting status
	Exit from one-key recovery status
	Force to start defrost

Controller Operation Instruction

3. Key description

3.1 Key description

Keys	Function
Set	Enter the status of parameter setting
	Switch between menu and parameter
	Adjust menu and parameters
	Open/close light (only valid for the model with light control)
	Adjust menu and parameters
	Press 10s to execute parameter one-key recovery
	Exit from parameter setting status
	Exit from one-key recovery status
	Force to start defrost

3.2 Key operation

1) User parameter setting

In the status of temperature measuring and controlling, press SET key for three seconds to enter user parameter setting state, It displays menu St in the digital tube. At this time, press SET key to display the corresponding parameter value, and press or to adjust the set temperature, and then press SET key to return to menu item St.

2) Enter to the administrator menu setting

In the state of user menu setting, when it displays menu item St in the digital tube, press to switch to the menu item Po, press SET key to display 00, and press and to adjust it to 55, then press SET key again to return to menu item Po. At this time, press key to display rd, Indicating that it has entered to the administrator parameter setting status.

If it doesn't adjust to 55, press SET key to return to menu item Po, then press the key , it will exit from user parameter setting status and return to the temperature measuring and control status.

3) Administrator parameter setting

After enter to the administrator parameter setting, press and to select menu items(St. Po. rd.....);

After select the item, press Set key to enter to the current parameter setting. press and to adjust parametes, and then press SET key to return to the menu item

4) Exit from parameter setting

Under the status of parameter setting, Press key or no key operation within 30s, or if Po is not set as 55, press key when it displays menu item Po(i.e. password input error), it will save the curent parameter value and exit from parameter setting.

5) Manually forced operation

In the status of temperature measuring and controlling, Press for three seconds to force the open or close of defrost (d1 is not 0, i.e. defrost is not forbidden).

Press to open or close the light.

6) Parameter recovery

In the status of temperature measuring and controlling, press key for 10s, display HO in the digital tube, it will execute one key recovery operation. It could continue to parameter recovery items by pressing key , and the selection range is HO~H7, press key to execute the parameter recovery and then exit, if there is no parameter recovery and then exit, if there is no parameter recovery operation within 30S, it will automatically exit from the mode without recovery of parameters.

Note: During the operation of one key recovery, it needs a stable power supply. If the power supply is not stable, please electrify the controller again then execute one key recovery.

H0	Give up parameter recovery, no change of each parameter, no display of parameter recovery success code dr
H1	Recovery parameter H1, recovery success display dr
H2	Recovery parameter H2, recovery success display dr
H3	Recoved
H4	Recoved
H5	Recoved
H6	Recoved
H7	Recoved

Controller Operation Instruction

4. Control output

1) Refrigeration/heating:

Normal status:

HC=0, refrigeration mode:

When the cabinet temperature is higher than the set temperature + hysteresis temperature, and finish the control load start delay time, the refrigeration will start; When the cabinet temperature is lower than the set temperature, the refrigeration will close.

HC=1, heating mode:

When the cabinet temperature is lower than the set temperature, and finish the control load start delay time, the heating will start;

When the cabinet temperature is higher than the set temperature+hysteresis temperature, the heating will close.

Note: in heating model, it needs to set d1 to 0(defrost forbidden)

Sensor failure:

A2=0, the function of "Run/stop in a proportional time" is canceled, the control output closes;

A2=0, the function of "Run/stop in a proportional time" opens, the control output will run and stop periodically according to the set time after the sensor fails.

2) Defrost

If the defrost cycle is not 0, the controller will start defrost when it finishes defrost cycle or it can be manually started.

Defrost stops when finish defrost time or it could be manually stopped.

Display during defrost:

d3=0: Display real time cabinet temperature

d3=1: Display dF during defrost

d3=2: Display defrost start temperature during defrost

3) Light

Press  to open the light, and press  again to close the light.

Light relay will pick-up when the light opens, disconnct when the light closes.

4) Code information

Code	Reason	Control output	Remark
E1	sensor failure	Run/stop control output in a proportional time	
dF	Defrost	With defrost relay: output defrost Without defrost relay: off cycle defrost	
dr	Parameter recovery	The original parameters will be overwritter by the selected parameters	Factory operation mode

BEFORE FIRST USE

- Remove all packaging (→ Disposal of packaging).
- Check for completeness and transport damage. In case of damages or incomplete delivery please contact your dealer (→ Guarantee).
- Clean the appliance (→ Cleaning).
- Place the appliance on a horizontal and stable surface with a maximum incline of 5%.
- Do not expose parts which heat up. Try to position the appliance close to a wall, but leave enough space for ventilation to ensure good circulation and efficiency of the appliance.
- Keep the appliance away from any substance, which can cause ignition.
- Do not position the appliance in direct sunlight or near any heat sources.
- Protect the appliance from moisture, extreme heat or cold.
- Climate class of the appliance: 4. Please see the climate class and matched temperature range for reference:

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Test room climate class	Dry bulb temperature	Relative humidity
	°C	%
1	16	80
2	22	65
3	25	60
4	30	55
5	40	40

- Never use an extension cord – risk of overheating! If the power cord (4) does not reach the nearest mains outlet, either rearrange your store layout or ask qualified personnel to fit a new outlet.
- The appliance is fitted with castors (5), so that you can easily move it from one place to another. Two of four castors have brakes. Warning! Do not move the appliance across uneven floors or steps.
- If power is cut off, wait for at least 5 minutes before plugging the appliance in again to avoid damaging the compressor.
- Important! Allow the appliance to stand upright for 8 hours before connecting to a mains outlet for the first time, in order to allow the refrigerant to settle.
- The maximum load for a shelf (8) is 40 kg.

CLEANING

- Unplug your appliance and remove any products to a suitable back-up showcase before cleaning.
- Take out all removable parts before cleaning.
- Clean the inner compartment (9), equipment parts and casing (3) with dry cloth. Do not allow the control panel (7), power cord with plug (4), Ventilation opening (2), lamp (11) or other electrical components to become wet.
- Never use corrosive detergents, wire brushes, or abrasive scourers to clean your appliance.
- Never use metal or sharp implements to remove debris.
- Dry all surfaces thoroughly.
- Use dry cloth to clean the gaskets and seals. Check them for debris to ensure the door (10) always closes properly.
- Do not remove or damage the rating label as it contains important data.

Replacing the lamp

- Please do not replace the lamp (11) yourself. Contact qualified personnel for this purpose.
- Note: the specification of replacement lamp should be the same as the original one.

DISPOSAL INTRODUCTIONS

Disposal of old appliances

- Disable discarded appliances by removing the plug and cutting through the power cord.
- Break any locks in order to avoid children and other persons becoming trapped. If possible, remove any doors and discard separately.
- Warning - hazardous chemicals! Do not allow children to play with the old appliance.
- Do not damage the refrigerant circuit during storage and transportation of old appliances! Make sure that the evaporator pipes, refrigerant circuit and surface coverings are not damaged. Avoid contact with the eyes as the refrigerant may cause serious eye injury.
- Do not store old appliance near heat and ignition sources. In event of leakage the refrigerant of this appliance is highly inflammable.
- Please note: the refrigeration system contains gases and refrigerants which require specialist waste disposal.

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Disposal of packaging

All packaging materials should be disposed of in an environmentally friendly way.
The cardboard may be used as scrap paper. The protective foil and the foam cushions are CFC – free.
Do not allow children to play with the packaging and destroy plastic bags safely.
You can break or cut the cardboard into smaller pieces and give to a waste paper disposal service.



Environmental protection

Discarded electric appliances are recyclable and should not be discarded in the domestic waste! Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection centres (if available).

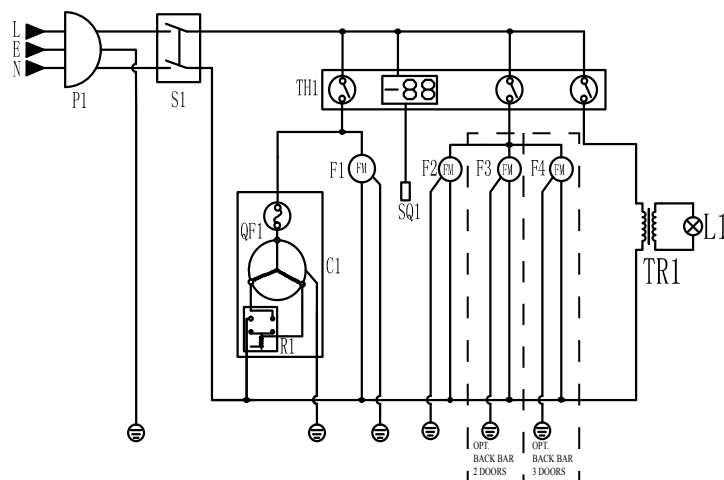
TECHNICAL DATA

	BBC 138	BBC 208H	BBC 208S	BBC 330H	BBC330S
Rated Voltage	220/240V	220/240V	220/240V	220/240V	220/240V
Rated Frequency	50Hz	50Hz	50Hz	50Hz	50Hz
Climate Class	4	4	4	4	4
Protection Class	I	I	I	I	I
Temperature	+1-+10°C	+1-+10°C	+1-+10°C	+1-+10°C	+1-+10°C
Foam Blowing Agent	C-Pentane	C-Pentane	C-Pentane	C-Pentane	C-Pentane
Rated Current	1.1A	1.5A	1.5A	1.7A	1.7A
Rated Power	138W	175W	175W	250W	250W
Refrigerant	R134a	R134a	R134a	R134a	R134a
Light	8W	14W	14W	21W	21W
Net Volume	138L	138L	138L	138L	138L
Net/Gross Weight	44Kg/46Kg	53.5Kg/56Kg	56.5Kg/59Kg	75Kg/78Kg	78Kg/81Kg
Dimension(WxHxD)	600x500x900mm	900x500x900mm	900x500x900mm	1335x500x900mm	1335x500x900mm
Noise Level	60dB(A)	67dB(A)	67dB(A)	55dB(A)	55dB(A)

TECHNICAL DATA

ELECTRICAL DIAGRAM

P1	POWER PLUG
TH1	THERMOSTAT
C1	COMPRESSOR
QF1	OVERLOAD
R1	RELAY
SQ1	TEMPERATURE PROBE
F1	CONDENSER FAN
F2	EVAPORATOR FAN
F3	EVAPORATOR FAN
F4	EVAPORATOR FAN
TR1	TRANSFORMER
L1	LAMP



GUARANTEE

A statutory guarantee applies for this product.
Claims must be submitted immediately after their determination.

The right to guarantee claims expires upon any intervention of the purchaser or third parties. Damages caused by wrong treatment or operation, by false placement or storage, improper connection or installation, as well as force or other external influences are not covered by this guarantee. We recommend careful reading of the operating instructions as it contains important information.

The purchaser must prove the right to guarantee claims by presentation of the purchase receipt.

Note:

- In case this product does not function correctly, please firstly check if there are other reasons, e.g. interruption of the power supply, or incorrect handling are the cause.
- Please note that the following documents need to be submitted together with your faulty product:
 - Purchase receipt
 - Model description/Type/Brand
 - Describe the fault and problem as detailed as possible

In the case of a claim for guarantee or defects, please contact the seller personally.