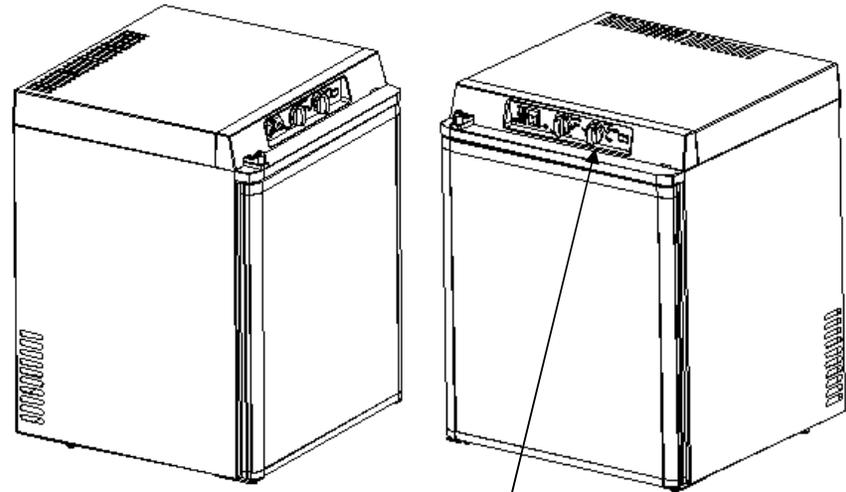


## KB-7060UK



DC Connector AC Connector Thermostat Knob Gas Regular Knob Gas Meter

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### ABSORPTION FRIDGE KB-7060 INSTALLATION, OPERATION, MAINTENANCE INSTRUCTIONS

## IMPORTANT

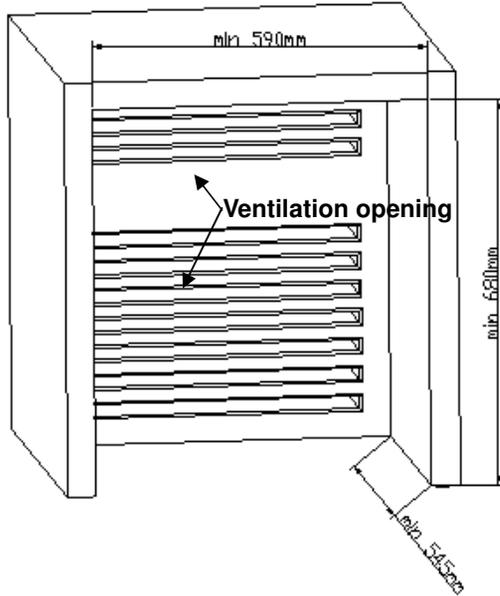
Read the operating instructions carefully in order to get to know the equipment before putting it into operation.  
Keep the instructions for future reference.

### The absorption fridge is designed for built-in application.

#### ➤ Installation of the appliance

Appliance dimensions (H X W X D): 630mm X 490mm X 485mm

Built-in dimensions (H X W X D): 680mm X 590mm X 545mm



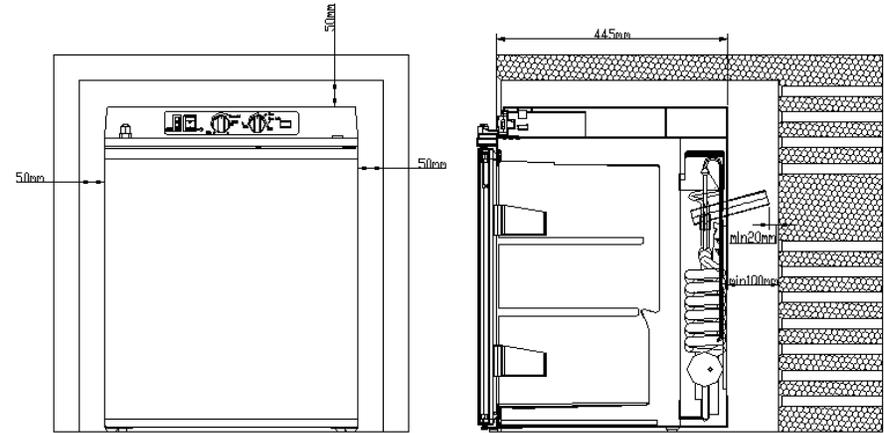
**CAUTION:** Do not operate by liquefied petroleum gas if there are no ventilation openings.

The area of ventilation opening must not be less than 20% of the appliance back cross-sectional area.

The appliance must be installed in an enclosure, the bottom of which must

be horizontal and even so that the appliance can be easily pushed into place. It must be sturdy enough to carry the weight of the appliance.

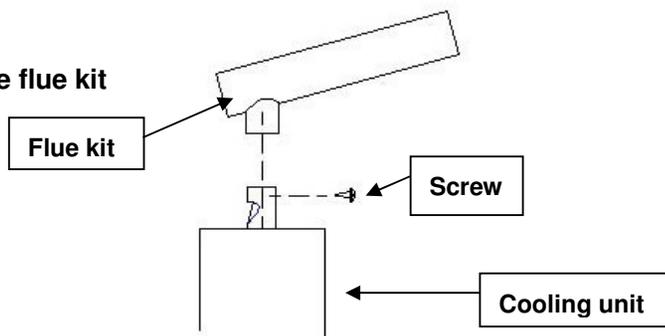
There must be 100mm free space at least behind the appliance, and keep more than 50mm of clearance between the appliance and enclosure on other sides.



The appliance must keep away from tinder and any source of heat.  
To be used only in a well-ventilated area, above ground and protected from rain.

To guarantee a good level of air circulation, do not obstruct the ventilation grids of the upper, lower or rear surface of the appliance.  
Complying with the above will ensure efficient and economical cooling.  
Before the first use of the appliance, clean the inside and the cover of the appliance with warm water, adding detergent if necessary. Never use an abrasive product.

### Installation of the flue kit



The flue kit is as an accessory. To install the flue kit on the cooling unit and use a screw to firmly fix it according to the needs of use.

### ➤ Operation with the mains

Never use another source of energy at the same time (battery, liquefied petroleum gas).

Check that the mains voltage corresponds to the operating voltage specified on the label.

If the electrical specifications are correct, push the safety electrical plug into an earthed wall socket which is wired according to the specifications.

If the supply cord is damaged, it must be replaced by the supply cord with identical technical data of the original supply cord.

The plug should be accessible after the appliance installed.

### Start-up

Turn the thermostat knob clockwise to the MAX position. The effects of the cooling process (frost on the evaporator) only become visible after about an hour.

The thermostat enables the temperature of the refrigerator to be adjustable ("0"=cooling process stopped).

After a sufficient cooling period (approximately 5 hours), the thermostat can be set to an intermediate position. The selected temperature is regulated automatically by the thermostat.

### Shut-down

Turn the AC or DC switch off.

Remove the plug from the wall outlet.

### ➤ Operation with a battery

Do not use another source of energy at the same time (mains, liquefied petroleum gas).

A safety fuse must be installed in the power supply line between the battery and the refrigerator.

The cable between the battery and the appliance must be protected by a fuse with a maximum rating of 6.25 amps.

Select a cross section for the cable between the battery and the socket of the 12V power supply according to the following table:

Cable cross-section	Max. cable length 12V DC
2.5mm <sup>2</sup>	2.5m
4.0mm <sup>2</sup>	4.0m
6.0mm <sup>2</sup>	6.0m

It is not necessary to check the polarity when starting up the appliance.

Check that the battery voltage corresponds to the operating voltage of the refrigerator, as marked on the corresponding the label. When the battery used is a car battery, only switch the refrigerator on while the car is traveling. If the refrigerator is left running when the car is stopped, this could discharge the battery and it may be impossible to restart the engine. When the appliance is running on the battery, there is no thermostat-controlled temperature regulation.

### ➤ Operation with liquefied petroleum gas

Operation of the refrigerator on liquefied petroleum gas is prohibited in the open air.

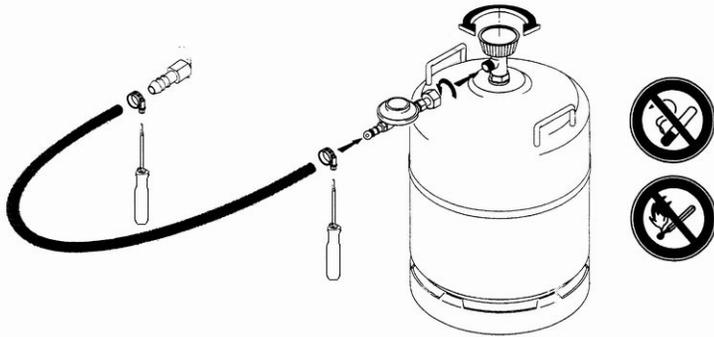
Do not use another source of energy at the same time (mains, battery). The label at the rear of the appliance gives the recommended gas supply pressure expressed in milibars.

The appliance can not operate at a pressure other than the one specified on the label. It is recommended to use an appropriate pressure regulator (butane 28-30 mbar or 50mbar, propane 37 mbar).

### ➤ Storage of gas cylinders

Store the gas cylinder in a cool, dry and ventilated area, protected from sunlight and do not exposed to temperatures above 50 degrees.

➤ **Connection of the refrigerator to the cylinder of liquefied petroleum gas**



**CAUTION:** always stay clear of any source ignition during this operation. Do not smoke.

Connect the COOLBOX in the following order:

Gas cylinder > pressure regulator > appliance

Precautions shall be taken to comply with national regulations relating to the operation of gas appliances whilst the vehicle is in motion.

The gas connection tube at the rear of the appliance is designed for a standard NF XPD 36 110 butane / propane flexible hose. It is essential to follow the assembly and connection instructions for the appliance to be connected. Excessive twisting and bending are to be avoided. Bends in the gas hose must have a radius of more than 40 mm. The length of the hose must not exceed 1.5m.

If you wish to check for leaks, please use soapy water, do not use a flame. It is prohibited to check for leaks with a flame. Do not smoke: danger of explosion and burns.

When changing the gas cylinder and/or disconnecting the hose, it is mandatory to close the valve of the gas cylinder.

Replace the hose if it is damaged or if it becomes porous and in any case before the expiry date printed on the side

➤ **Gas valve assembly**

This assembly consists of an adjusting device with an incorporated safety pilot, a burner with an electric igniter.

The adjusting device can be set to 3 different positions:

Max	Maximum cooling
MIN	Minimum cooling
0 off	Igniting position / burner gas supply closed

The safety pilot automatically maintains the gas supply to the burner as long as it remains lit. It automatically shuts off the supply if the flame goes out.

➤ **Ignition of the liquefied petroleum gas burner.**

Turn on the valve of the gas cylinder.

Press the adjusting knob and hold it in this position, then turn the knob the anti-clockwise to Max. The burner starts to work, and the gas meter points to the red area. If the appliance has not been ignited for a long period, or if the gas cylinder has been changed, there may be some air in the duct, so it may fail to be ignited. It is necessary to check that the pilot is lit by looking through the orifice at the top of the appliance. If the appliance fails to be ignited, try it again after approximate 10 seconds.

When the outside temperature is low, set the adjusting device to MIN after a sufficient long cool-down period in MAX position.

➤ **To disconnect an appliance running on gas Far from any source of ignition**

Shut off the gas cylinder or the pressure regulator. Turn the knob to the OFF position.

➤ **Storing food**

Liquids to be stored in the refrigerator shall always be placed in a closed vessel.

The air circulation inside the appliance must not be obstructed.

Never place hot food or drink in the appliance.

Never keep flammable liquids and/or gases inside the refrigerator. Danger of explosion.

➤ **Defrosting—Measures to be taken if the appliance is to be left unused for a long period.**

The refrigerator must be defrosted regularly, in order to ensure that it operates correctly.

To defrost the refrigerator, disconnect it and remove all food outside. If necessary, use a cloth soaked with hot water. After de-icing, mop up the water with a dry clean cloth and clean the inside as described in paragraph 13.

If the appliance is to remain unused for an extensive period, disconnect it and remove all food outside. After de-icing, clean and dry the inside of the appliance.

In order to prevent unpleasant odor, leave the cover of the refrigerator slightly open.

➤ **Measures to be taken after unused for a long period**

If, after an extensive lay-up period, the refrigerator does not produce any cooling, disconnect the appliance and turn it upside down for a few minutes then turn it the right way up. After turn it over several times, reconnect it.

➤ **Maintenance**

Clean the appliance regularly with warm water, containing a detergent if necessary. Never use an abrasive product. Dry the cleaned surfaces with a soft cloth. Use only clear water to clean the seal of the cover, and then coat the seal with talcum powder.

All repairs, particularly of the cooling unit or the gas burner system, must mandatorily be carried out by a qualified technician.

➤ **Service**

If a problem occurs, carry out the following checks:

- Is the appliance installed in a horizontal position?
- Is there sufficient ventilation?
- For 220V mains operation, check that the mains supply is correct. And is the thermostat set correctly?
- For battery operation, check the battery and the connection.
- For gas operation, is the burner ignited?
- Has the ignition safety (adjustment) knob been set to MAX?
- Are the gas cylinder valve and/or the pressure regulator open?
- Is there still a sufficient quantity of gas in the cylinder? The cylinder is empty if no liquid can be heard moving about when it is shaken.
- Have two modes of energy (gas and electricity) been selected at the same time?
- Has too much food been placed inside the refrigerator all at once? Arrange the food so that the air is free to circulate inside the refrigerator. Do not use pieces cardboard or plastic as separations. Keep vessels containing liquids closed.

If, despite the above checks, you still need to contact the service department, describe the failure and state the type of equipment and its serial number (these are marked on the label).

If the power cable is damaged, it must be maintained by the original factory/ after-service center or qualified person to avoid harmful substances.

## Technical specifications

Model	KB-7060		
Gross volume	60L		
Climate classification	SN, N		
Insulation class	I		
Refrigerant	NH <sub>3</sub> (80g), H <sub>2</sub> O, He		
Foam vesicant	C-Pentane		
Net weight	23.5kg		
Mains voltage	AC220-240V 50HZ		
Rated power	82W		
Consumption of energy	1.2kWh/24h		
Battery voltage	DC12V		
Rated power	75W		
Consumption of energy	170Ah/24hrs 24hrs		
Gas classification	I <sub>3</sub> +	I <sub>3</sub> B/P(30)	I <sub>3</sub> B/P(50)
Heat input (Hs) (W)	180W	180W	200W
	140W	140W	140W
Gas pressure	28-30/37 mbar	30mbar	50mbar
Gas consumption (Max)	12.8g/h		
Gas consumption (Min)	8.3g/h		

### ➤ For the disabled person and children

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

### Guidelines for protection of the environment



This appliance should not be put into the domestic garbage at the end of its useful life, but must be disposed of at a central point for recycling of electric and electronic domestic appliances. This symbol on appliances' instruction manual and packaging puts your attention to this important issue. The materials used in this appliance can be recycled. By recycling used domestic appliances you contribute an important push to the protection of our environment. Ask your local authorities for information regarding the point of recollection.