Instruction manual





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Bain marie electric 80 400 V / 3N
BMD-68 ET

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1. DECLARATION OF CONFORMITY

Decree of the Ministry of Health of the Czech Republic no. 38/2001 Coll. of 19 January 2001 Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation of the European Parliament and Council Regulation (EC) no. 1935/2004 of 27 October 2004

The products meet the requirements of §26 of Act No.258/2000 as amended. The products meet the requirements of RoHS Directive 2015/863/EU, 10/2011, 517/2014, 2015/1094, 2015/1095.

Attention, the manufacturer gives up any responsibility in case of direct and indirect damage that is relate to poor installation, incorrect intervention or adjustments, insufficient maintenance, incorrect by using and which are eventually caused by other causes that the points referred to in the conditions sales. This appliance is intended only for professional use and must be operated by qualified by persons. Parts that have been secured by the manufacturer or authorized worker after the setting rebuild.

2. TECHNICAL DATA

The label with technical data is located on the side or back panel of the device. Please read the wiring diagram and all the following information in the attached manual before installation.

Net Width [mm]	Net Depth [mm]	Net Height [mm]	Net Weight [kg]	Power electric [kW]	Loading
800	300	300	36.00	4.200	400 V / 3N - 50 Hz

Gross depth [mm]	GN device depth	Gross Height [mm]	Maximum device temperature [°C]	Minimum device temperature [°C]	Number of basins
630	150	470	90	30	1

Number of GN / EN	Gross Volume [m3]	Net Volume [m3]	Gross Weight [kg]	Gross Width [mm]
1	0.216	0.144	40.00	730

3. LOCATION ELECTRIC

For the correct operation and placement of the appliance, it is necessary to observe the following all prescribed standards for the given market. Unpack the device and check that the device has not been damaged during transport. Place the device on a horizontal surface (maximum unevenness up to 2°). Small unevenness can be leveled with adjustable feet. If the device will be placed in such a way that it will be in contact with the walls of the furniture, these must withstand a temperature of up to 60°C. Installation, adjustment, commissioning must be performed by a qualified person who is authorized to perform such operations, according to applicable standards. The device can be installed separately or in series with devices of our production. A minimum distance of 10 cm from flammable materials must be observed. In this case, it is necessary to secure the appropriate modifications to ensure the thermal insulation of the combustible parts. The appliance must only be installed on a non-flammable surface or against a non-flammable wall. **Parts of the appliance provided by the manufacturer. or his representative, the worker performing the installation may not rebuild the product.**

4. SAFETY MEASURES FOR FIRE PROTECTION

- the appliance may only be operated by adults
- the appliance may be used safely in accordance with applicable market standards:

Fire protection in spaces with special risk or danger

Protection against the effects of heat

- the appliance must be placed so that it stands or hangs firmly on a non-combustible surface

Objects of flammable substances must not be placed on the appliance at a distance less than a safe distance from it (the smallest distance between the appliance and flammable substances is 10 cm).

Table: degree of flammability of building materials included in st. flammability of substances and products

Degree of flammability	Building materials
A - non-flammable	granite, sandstone, concrete, brick, ceramic tiles, plaster
B - Not easily flammable	Acumin, Heraclitus, Lihnos, Itaver
C1 - highly flammable	wood, hardwood, plywood, hard paper, umakart
C2 - moderately flammable	chipboards, solodur, cork boards, rubber, flooring
C3 - Highly flammable	wood fiber boards, polystyrene, polyurethane, PVC

- information on the degree of flammability of common building materials is given in the table above. Appliances must be installed in a safe manner. During installation, the relevant design, safety and hygiene regulations must also be respected:
- fire safety of local appliances and heat sources
- fire protection in areas with special risk or danger
- protection against the effects of heat

5. INSTALLATION

Important: The manufacturer does not provide any warranty for defects arising as a result of incorrect use, failure to follow the instructions contained in the attached user manual and mishandling of appliances. Installation, modification and repair of appliances for large kitchens, as well as their dismantling due to possible damage to the gas supply, can only be carried out on the basis of a maintenance contract, this contract can be concluded with an authorized dealer, while technical regulations and standards and regulations must be observed regarding installation, electrical supply, gas connection and work safety. Technical instructions for installation and adjustment, for use by specialized technicians ONLY. The instructions that follow refer to a technician qualified for installation to carry out all operations in the most correct manner and according to the applicable standards. Any activity related to regulation etc. must only be performed with the device disconnected from the network. If it is necessary to keep the appliance under voltage, the utmost care must be taken. The type of appliance for extraction is declared on the nameplate, it is an A1 appliance.

6. WATER CONNECTION

Water connection is done using G1/2 threaded hoses. The water supply must be fitted with separate closures that are freely accessible and within reach of the device. The device includes return valves. The water for filling the duplicator space must be softened - a maximum of 5 ° the French scale of water hardness. The water pressure must be in the range of 50-300 kPa.

7. CONNECTING THE ELECTRICAL CABLE TO THE NETWORK

Installation of the electrical supply - this supply must be separately secured. Ato with the corresponding circuit breaker of rated current depending on the power input of the installed device. Check the power consumption of the device on the production label on the back panel (or side) of the device. The connected ground wire must be longer than the other wires. Connect the device directly to the network, it is necessary to insert a switch between the device and the device with a minimum distance of 3 mm between the individual contacts, which corresponds to the applicable standards and load. The earth supply (yellow-green) must not be interrupted by this switch. Connect the device to the mains if the socket has adequate protection. In any case, the supply cable must be located so that it does not reach a temperature of 50 degrees higher than the environment at any point. Before the appliance is connected to the network, it is necessary to first make sure that:

- the supply circuit breaker and the internal distribution can withstand the current load of the appliance (see matrix label)
- the distribution board is equipped with effective grounding according to the standards of the relevant market and the conditions given by law
- the socket or switch in the supply is easily accessible from the appliance

- the electrical supply to the device must be made of oil-resistant material

We disclaim any responsibility in the event that these standards are not respected and in the event of a violation of the above principles. Before first use, you must clean the device, see chapter """"cleaning and maintenance""""". The appliance must be grounded using a screw with a grounding mark.

- Do not insert the plug of the power supply into the electrical outlet. sockets and do not pull out the zel. sockets with wet hands and pulling on the power cord!
- Do not use extension cords or multiple sockets.
- **The mains connection point must have a maximum of the following impedance: ZMAX = 0.042 + j 0.026 Ω for the phase conductors and 0.028 + j 0.017 Ω for the neutral conductor.**

Models	Dimensions (cm)	Voltage	Power (kW)	Current (A)	GN size	Cable size (mm2)
BMD - 64 EM	40 x 60 x 30	230 V / 1N / 50 Hz	2,1	9,13	1/1	3 x 1.5 mm^2
BMD - 68 ET	80 x 60 x 30	400 V / 3N - 50 Hz	4,2	9,13	1/2	5 x 1.5 mm^2

Connecting the power cable to the mains:

Before connecting the appliance to the electrical installation, it is necessary to check that the new or repaired electrical installation has been properly wired by its contractor and that an inspection report has been made on the ability to operate the electrical system safely. We do not recommend connecting the appliance to the mains without this condition being met!

Installation of the electrical supply:

The supply cable to the appliance must be separately protected by an appropriate circuit breaker of the rated current, depending on the power input and type of appliance installed. The recommended circuit breaker value for the type of appliance is given in the table of values. Check the rating of the appliance on the rating plate on the rear of the appliance. Connect the appliance directly to the mains. It is essential to insert a circuit breaker between the appliance and the mains with a minimum distance of 3mm between each contact, which corresponds to the applicable standards and loads. The earth lead (yellow-green) must not be interrupted by this switch.

The supply cable must be positioned so that at no point does it reach a temperature 50o C above ambient. It shall be so routed that it cannot be mechanically damaged during normal operation and maintenance and shall be of sufficient and adequate length to allow the appliance to be handled in the event of servicing.

Before connecting the appliance to the mains electricity supply, it is necessary to check whether:

- the supply circuit breaker and the internal wiring can withstand the load of the appliance (see matrix label)
- the distribution is equipped with an effective earthing according to the standards (CSN) and conditions given by law
- the socket or switch in the supply is easily accessible from the appliance

We recommend using flexible cables in H07RN-F unless specified in the installation instructions otherwise (THIS is the installation manual !!) , or a CSN approved cable for the type of appliance with regard to its location and nature of operation. The earth wire (yellow-green) must be longer than the other wires and must not be connected to the switch or otherwise interrupted. The cables shall be freely located and shall not interfere with normal operation, shall be sufficiently far from the work surface and long

enough to allow the appliance to be handled in the event of cleaning and servicing. The cable must not come into contact with combustible materials such as carpets, tablecloths, etc., and must not be exposed to sharp objects or subject to mechanical stress.

The "PE" ground wire must be connected to all electrical appliances that have screws or terminals marked "PE". It is recommended to connect a separate "PE" protective earth wire for each appliance.

The recommended supply cable size for the appliance type is given in the table of values.

Permanently connected appliances and appliances equipped with a grounding clamp or terminal must be connected to the protective earth conductor. It is recommended to connect a separate current protector to the circuit of each appliance.

After the appliance is connected to the mains, it must be checked and an inspection report must be drawn up to ensure that the appliance is operating safely.

WE DISCLAIM ANY LIABILITY IN THE EVENT THAT THESE ABOVE RULES, RECOMMENDATIONS AND RELEVANT APPLICABLE STANDARDS WILL NOT BE RESPECTED.

8. INSTRUCTIONS FOR USE

Attention!

Never leave the device unattended when it is in use. Use the instrument only under constant supervision. Water baths are appliances for heating and keeping warm meat, fish, vegetables, legumes, etc., except for fried foods.

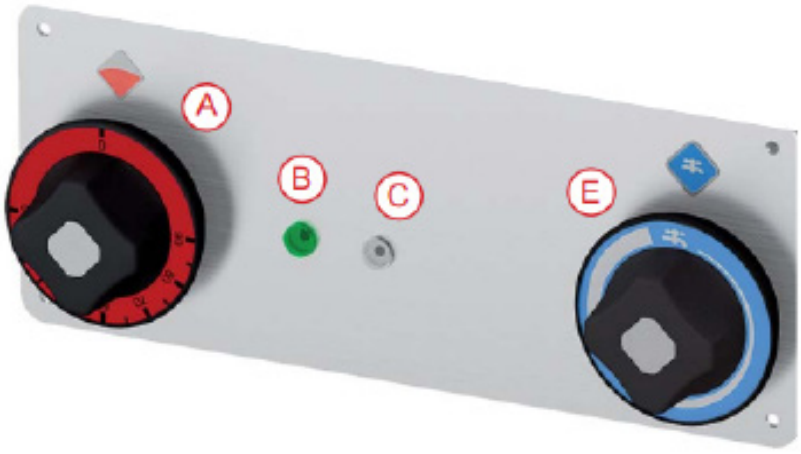
Never use the device without water or when the water is below the minimum water mark. There is a risk of damage to the equipment!

Switching the device on and off

Turn the control knob (A) to the right and set the desired temperature on the scale in the range of 30 - 90°C.

The white indicator light (C) indicates the switching on of the appliance and the green indicator light (B) indicates the operation of the heating elements. When it goes out, the desired temperature set on the scale is reached.

Switch off the device by turning the knob to the "O" position.



Warning:

Do not forget that at higher levels, lifting caused by water pressure occurs when emptying the containers.

WARNING! Evaporation of water occurs during operation. Therefore, it is necessary to check the level and refill the water during operation.

Filling and draining

Before filling the water, check that the drain valve (D) is closed. Open the fill valve on the front panel (E) and fill the bath to the maximum level mark.

Always drain the water from the device when it is cool (max. 60° C). Failure to do so may result in injury to the operator or damage to the discharge valve.

When draining, proceed as follows:

- let the water cool down after operation
- open the front door
- open the valve and drain the contents of the bath
- after emptying, clean the bath and the filter of coarse dirt
- close the outlet valve
- before further use, fill the bath with water up to the maximum level



Cleaning and maintenance

Before cleaning, disconnect the gas and electricity supply.

Do not clean the device:
- water under pressure
- with a metal brush
- aggressive and corrosive agents and corrosives
- means containing abrasive particles
- with chlorine

The device must be cleaned regularly. Daily maintenance of the equipment prolongs its life and functionality. Stainless steel parts can be cleaned with a damp cloth and detergent, then washed with detergent and wiped dry.

Service interruption:

When the appliance is not in use for a long period of time, it must be thoroughly washed and coated with a

protective coating using suitable means and disconnected from the gas and electricity supply.

Emergency instructions:

Disconnect the device from the mains and call a service technician.

9. CLEANING AND MAINTENANCE

It is recommended to have the device checked with a specialist service at least once a year. All the interventions in the device can only be carried out by a qualified person who has the authorization to do so. **CAUTION!** The device must not be cleaned with direct or pressure water. Clean the equipment daily. Daily maintenance extends the life and efficiency of the equipment. Always turn off the main inlet to the device. Wash the stainless steel parts with a damp cloth with a detergent without coarse particles and wipe dry. Do not use abrasive or corrosive cleaning agents. Attention! Before using the device, it is necessary to remove the protective foil from the entire surface, and then wash it well with water with detergent, and then wipe it with a damp cloth. **ALERT!** The warranty does not apply to all consumables subject to normal wear (rubber seals, bulbs, glass and plastic parts, etc.). The warranty also does not apply to the device if the installation is not carried out in accordance with the instructions - an authorized worker according to the corresponding standards and if the equipment was unprofessionally manipulated (interventions in the internal equipment, etc.) or were operated by unhappy staff and contrary to the instructions for use, further The warranty does not apply to damage by natural effects or other external intervention. **Required service organization 2 times a year. After the lifetime, the shipping packaging and equipment are submitted to the collection, according to the regulations on waste management and hazardous waste.**