

ELEKTRYCZNY PRZEPŁYWOWY PODGRZEWACZ WODY

ELEKTRISCHER DURCHLAUFERHITZER

ELECTRIC INSTANTANEOUS WATER HEATER

CHAUFFE-EAU ÉLECTRIQUE INSTANTANÉ

PL

DE

GB

FR



EPME

Safety instructions

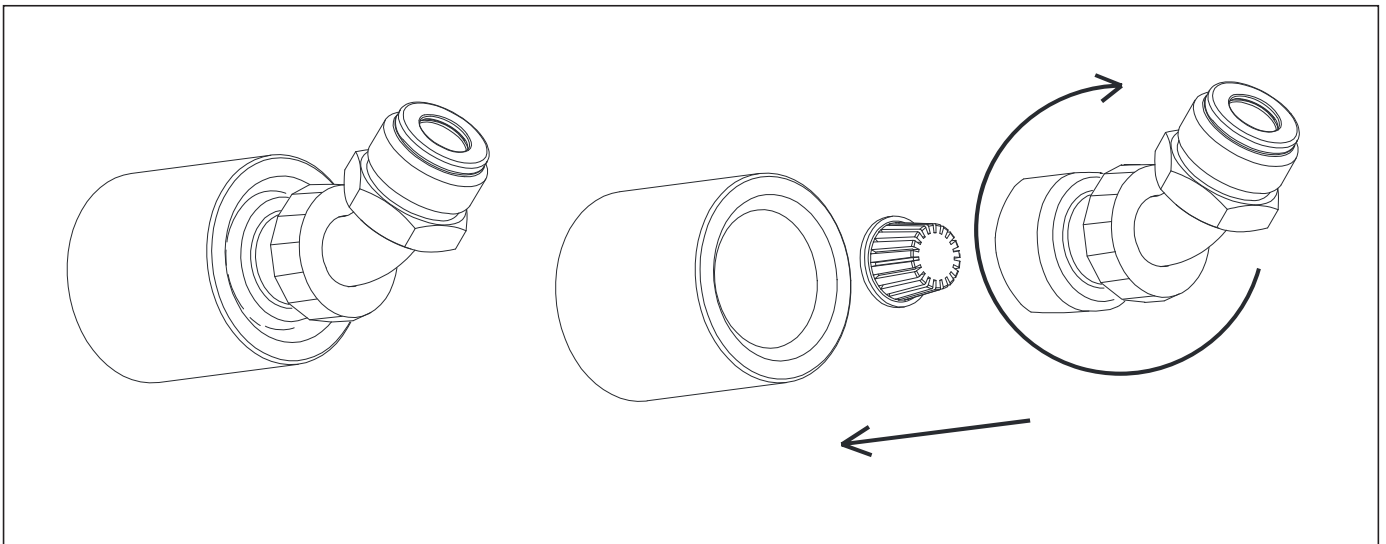
GB

1. Read and strictly follow the installation and operating instructions to ensure a long life and reliable unit operation.
2. The unit can only be used when in perfect technical condition and correctly assembled.
3. The unit is designed for installation with the connectors facing toward the wall or the bottom.
4. The unit shall be installed on a flat wall without openings
5. The unit should always be vented before initial start-up. Vent the unit each time after the water has been emptied from the heater or pipes (e.g. when water supply system has been repaired or maintained). Follow the procedure provided in section „Venting”.
6. The unit should be connected to electrical system and the reliability of fire protection system should be tested by a qualified person.
7. The unit has to be earthed or neutrally grounded.
8. If there is a non-return valve installed on the water supply pipe the safety valve must be fitted between unit and non-return valve.
9. The unit should be installed close to the most frequently used tap.
10. Inlet and outlet pipes should not be made of plastic.
11. The unit must not be installed in the place which is exposed to the danger of explosion and place in which the temperature may go down below 0°C.
12. Do not use when the water has been emptied from the unit or pipes (e.g. when water supply system has been repaired or maintained).
13. Unit's cover must not be taken off while power is on.
14. Failure to install the filter on water supply pipe can cause unit damage.

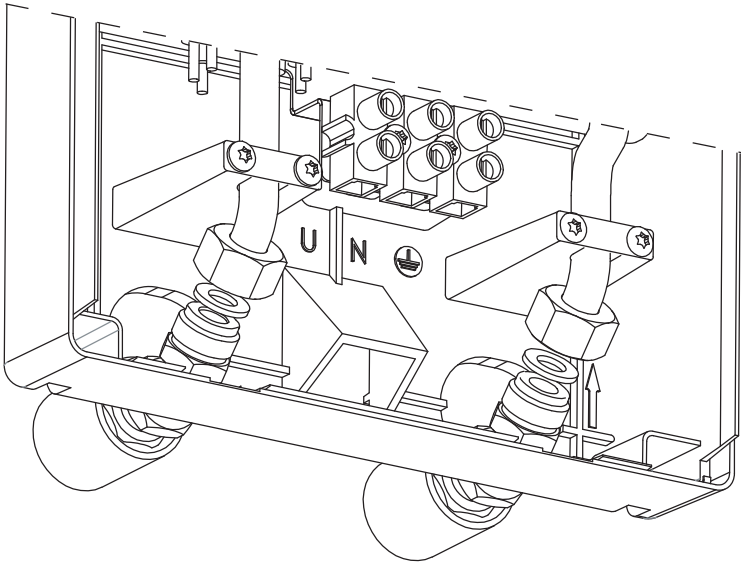
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Installation – Assembly

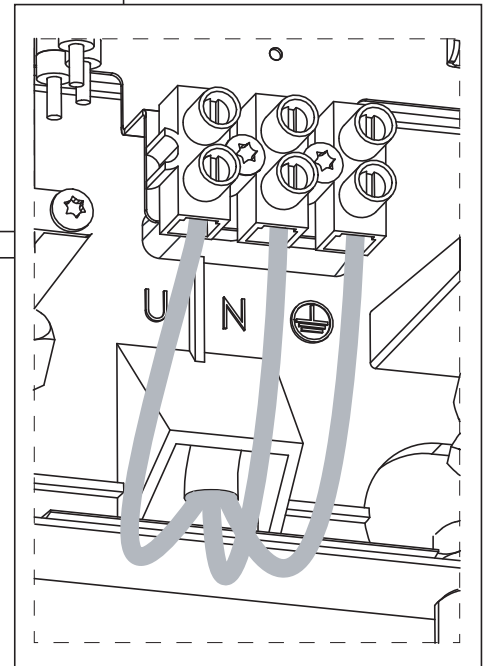
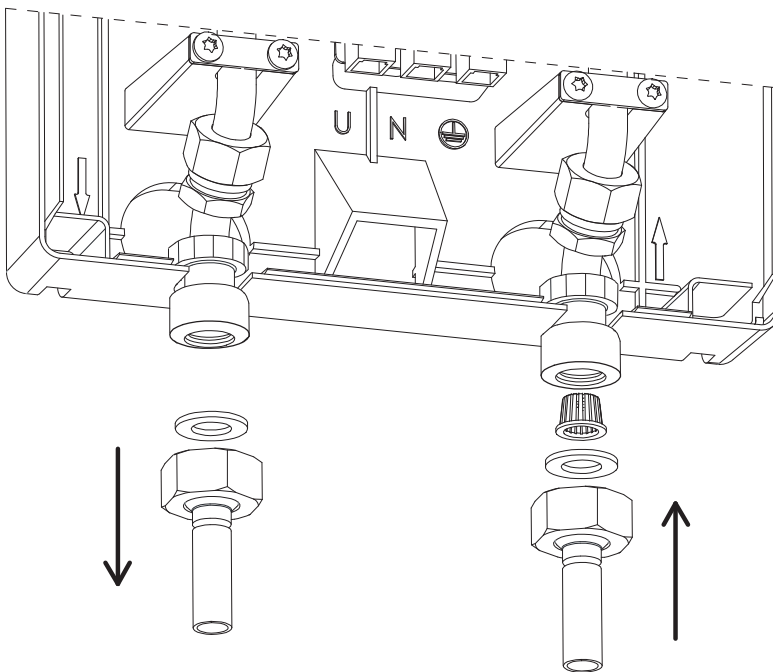
1. Bring the water system pipes and electric supply cables (observing binding norms) to the place where the unit will be fitted.
2. Take off the unit's cover: undo the screws, slide the cover off.
3. For unit installation with the connectors facing toward the wall: screw the fittings to the end of water pipes according to the picture below (make sure you install the filter in the cold water inlet), install the heater to the pre-installed fittings through the back holes and then fix the unit to the wall.
4. For unit installation with the connectors at the bottom: break open the thin plastic at the bottom of unit's cover, screw the fittings according to the picture below (make sure they are facing down), put the filter and connect the cold water pipe to the inlet connector (e.g. using the flexible hoses) and hot water pipe to the outlet connector.
5. Open the cold water valve and check for leaks.
6. Connect the unit to the electric mains according to the labels, run the supply wire through the rectangle hole at the unit's bottom.
7. Put the unit's cover back.
8. Make sure that there is no access to live parts through the holes at the back plate.



Unit installation with the connectors facing toward the wall



Unit installation with the connectors at the bottom



Venting

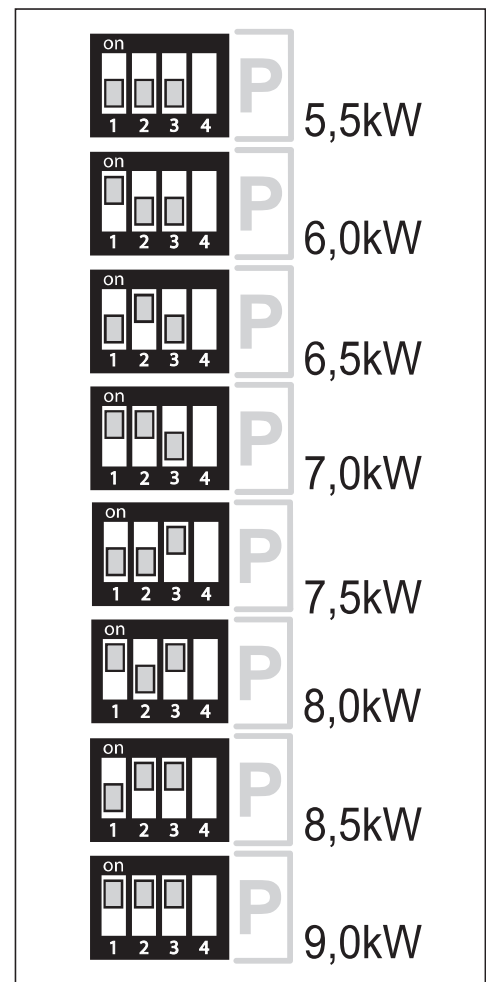
1. **Shut off electric supplies to the heater.**
2. Turn the flow on (turn the hot water tap on) in order to vent the water installation (for about 15-30 seconds), until the flow of water becomes constant and even.
3. Turn the flow off (turn the hot water tap off).
4. Switch on the electric supplies.

The venting process must be repeated each time after the water has been emptied from the unit or pipes.



Configuration

Before you supply voltage for the first time, make sure that you set the heater's power at appropriate value (always consider the capacity of your home's electrical system). A power configuration shall be performed by authorized person (installer or service engineer) Set the switches 1-3 at appropriate position to configure the heater.

Switch number 4 at ON position blocks access to the heater's setting. In this case, the display shows the desired temperature value (which has been adjusted before the heater start-up), the heating icon and other possible working characteristics. When you supply voltage to the heater the display will show (PW...)- the control panel software version, (MSP....)- the controller software version and the power value that has been set.



Operation

The heater switches on automatically straight after reaching the flow rate over 2,0 l/min. The temperature control system adjusts the power rate according to the water flow rate, required temperature and the temperature of water in the mains. The LCD backlight and  icon signalises the heating operation. If the unit reach the maximum power value which is too low for a given operating conditions the LCD display will show flickering  icon. The LED display backlight also turns on while pushing or turning the setting knob. The backlight will automatically turn off when the heating operation is turned off, or if more than 50 seconds have passed since the last adjustment.

If you block the unit by master appliance (NA entry) the display will show „NA BLOCK”. If the fault occurs the display will show **E** icon and error message.

Error messages:

- ER>T INLET - inlet sensor failure.
- ER> T OUTLET - outlet sensor failure.
- ER> T MAX - temperature has exceeded the maximum value.



- ER> AIR 1 - air bubbles in the heating box - equipment detection.
- ER> AIR 2 - air bubbles in the heating box - program detection.

If the display shows ER> T MAX, ER> AIR 1 or ER> AIR 2 the unit will stop heating. The unit will not heat again until the failure is resolved and the appropriate value of water flow is reached.

Temperature adjustment

Turn the knob to the right to increase the temperature value, or to the left to decrease it. Push the knob to read the temperature value that is stored in memory. Push it again to read the next stored value. You can switch between the following settings „SINK“, „SHOWER“ and „BATH“. To change the temperature setting in memory:

- select the temperature setting by pushing the control knob,
- push the knob and keep for about 3 seconds until the value starts to flashing,
- turn the knob to adjust the value,
- push the knob to save the value.

Notice: save the new value within 10 seconds, otherwise you will lose it.


Configuration and parameters view

Set the minimum temperature value then push and keep knob for about 5 seconds until the display shows „>SET TEMP“. Turn a knob to select the required value.

There are some parameters that are not changeable by the user (e.g. >T INLET, >FULL POW), or can be used to change the work configuration only (e.g. display brightness, language version). To change the parameters value push (position flickering) and turn the knob. Push the knob to confirm a changes. Notice: confirm a new parameter value within 10 seconds, otherwise you will lose it.

The new parameter value will be saved when you exit menu using [>EXIT].

You can switch between the following parameters:

- [>SET TEMP] temperature (min-max) - °C.
- [>T INLET] inlet temperature value - °C.
- [>T OUTLET] outlet temperature value - °C.
- [>FLOW] flow rate - l/min.
- [>FULL POW] percentage of maximum power with which the unit currently heats, -%.
- [>T - h] work time.
- [>BRIGH MIN] minimum brightness / stand-by-mode (0 - BRIGH MAX).
- [>BRIGH MAX] maximum brightness / active (BRIGH MIN - 25).
- [>ENGLISH] select language version (POLSKI, FRANCAIS, ENGLISH, DEUTCH, РУССКИЙ).
- [>TEMP LIMIT] maximum temperature limit (min setting - max setting).
 - Notice: a new maximum temperature value will be saved in memory for other temperature settings as well,
 - If you try to set the temperature above the adjusted maximum value the display will show  for about 1 second.

- [>HE TEST] for authorized service only.
- [>POWER SET] configured power value.
 - push knob to check a software version (PW..., MSP...),
 - restore to factory settings [FACTORY SET] or to restart controllers [RESET],
 - push and keep knob (for about 5sec., until the display show [--]) to up grade [FACTORY SET] and [RESET] function,
- [>EXIT] save a new parameters and menu exit.

Notice: parameters view mode will automatically exit (without saving changes) after 5 minutes since the last adjustment.

Maintenance

1. Cut off power and cold water supplies.
2. Undo the fittings on the inlet pipe.
3. Take the filter out from the fittings at the cold water inlet.
4. Clean the filter and install it in the former position.
5. Connect cold water supply pipe with the inlet connector.
6. Open the cut-off valve on cold water supply pipe - check connections for leaks.
7. Vent the unit and the water system.

EPME water heater		5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0
Rated power	kW	5,5	6,0	6,5	7,0	7,5	8	8,5	-
Rated voltage		220V ~							
Rated current	A	25,0	27,3	29,5	31,8	34,1	36,4	38,6	-
Min. connecting wires section	mm ²	3 x 6							

Rated power	kW	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0
Rated voltage		230V ~							
Rated current	A	24,0	26,1	28,5	30,6	32,7	34,8	37,0	39,3
Min. connecting wires section	mm ²	3 x 6							

Rated power	kW	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0
Rated voltage		240V ~							
Rated current	A	23,1	25,1	27,3	29,2	31,4	33,3	35,5	37,7
Min. connecting wires section	mm ²	3 x 6							

Efficiency (at $\Delta t = 40^{\circ}\text{C}$)	l/min	2,0	2,2	2,3	2,5	2,7	2,9	3,1	3,2
Max. connecting wires section	mm ²	3 x 16							
Pressure in the water mains	MPa	0,1 ÷ 0,6							
Activation point (min. rate of flow)	l/min	2,0							
Temperature adjustment range	°C	30 ÷ 60							
Overall dimension (height x width x depth)	mm	350 x 200 x 110							
Weight	kg	~3,3							
Water fittings		G 1/2"							