INSTALLATION INSTRUCTIONS –
POINT OF USE WATER HEATERS

EPU - OS5

01

CONTENTS

SPECIAL INFORMATION

-- The appliance may be used by children aged 8 and older and persons with reduced physical, sensory or mental capabilities or a lack of experience and know-how, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the resulting risks. Children must never play with the appliance. Children must never clean the appliance or perform user maintenance unless they are supervised.

-- When permanently connected to the power supply using a dedicated junction box, the appliance must be able to be isolated from the mains power supply by an isolator that disconnects all poles with at least 3 mm contact separation.

-- The power cable may only be replaced (for example if damaged) by a qualified contractor.

-- Never connect the appliance via a time switch.

-- Secure the appliance as described in chapter “Installation / Installation”.

-- During heating, expansion water will drip from the tap outlet.

-- The appliance must only be installed with an open (non-pressurised) tap.

-- Never subject the appliance to water pressure.

-- The tap outlet has a vent function. Scale build-up can block the outlet and subject the appliance to pressure.
-- Never seal the tap outlet.

-- Only use special aerators for non-pressurised water heaters.

-- Never extend the tap outlet with a hose.

-- Drain the appliance, described in chapter “Maintenance”.

GENERAL INFORMATION

The chapters “Special Information” and “Appliance description ” are intended for both the user and qualified contractors.
The chapter “Installation” is intended for qualified contractors.
Note
Read these instructions carefully before using the appliance and retain them for future reference.
Pass on the instructions to a new user if required.

Safety instructions

Structure of safety instructions

Type of risk
Here, possible consequences are listed that may result from failure to observe the safety instructions.
»» Steps to prevent the risk are listed.

Symbols, type of risk

Symbol	Type of risk
	Injury
	Electrocution
	Burns (burns, scalding)

Keywords

KEYWORD	Meaning
DANGER	Failure to observe this information will result in serious injury or death.
WARNING	Failure to observe this information may result in serious injury or death.
CAUTION	Failure to observe this information may result in non-serious or minor injury.

Other symbols in this documentation

Note
General information is identified by the adjacent symbol.
»» Read these texts carefully.

Symbol	
	**Material losses (appliance damage, consequential losses and environmental pollution)**
	**Appliance disposal**

»» This symbol indicates that you have to do something. The action you need to take is described step by step.

UNIT OF MEASUREMENT

Note
All measurements are given in mm unless stated otherwise.

SAFETY

Intended use

This open vented (non-pressurised) appliance is designed for heating domestic hot water. The appliance can supply one draw-off point.

This appliance is intended for domestic use. It can be used safely by untrained persons. The appliance can also be used in a non-domestic environment, e.g. in a small business, as long as it is used in the same way.

Any other use beyond that described shall be deemed inappropriate. Following of these instructions and of instructions for any accessories used is also part of the correct use of this appliance.

General safety instructions

WARNING Burns
During operation, the tap can reach temperatures in excess of 60 °C.
There is a risk of scalding at outlet temperatures in excess of 43 °C.

WARNING Injury
The temperature selector should only be removed by a qualified contractor.

WARNING Injury
The appliance may be used by children aged 8 and older and persons with reduced physical, sensory or mental capabilities or a lack of experience and know-how, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the resulting risks. Children must never play with the appliance. Children must never clean the appliance or perform user maintenance unless they are supervised.

Material losses
The user should protect the appliance, the water pipes and the tap against frost.

Material losses
Never subject the appliance to water pressure. The tap outlet has a vent function. Scale build-up can block the outlet and subject the appliance to pressure.

- Never seal the tap outlet.
- Only use special aerators for non-pressurised water heaters.
- Never extend the tap outlet with a hose.

Material losses
Connecting the appliance via a time switch will cause an unintentional reset of the high limit safety cut-out.

- Never connect the appliance to the power supply via a time switch.

TEST SYMBOLS

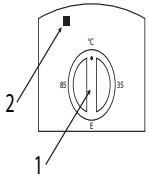
See type plate on the appliance.

APPLIANCE DESCRIPTION

The open vented (non-pressurised) appliance constantly maintains the water content at the pre-selected temperature. The appliance switches on automatically as soon as its temperature falls below the set value. During heating, expansion water drips from the tap. The appliance must only be installed with taps suitable for open vented (non-pressurised) water heaters.

Operation

You can set any required DHW outlet temperature variably at the temperature selector. The heat-up indicator illuminates during the heat-up process.



1 Temperature selector
2 Heat-up indicator

Depending on the system, the actual temperatures may vary from the set value.

°C = Cold. On this setting, the appliance is protected from frost. The tap and the water line are not protected.

E = Recommended energy saving setting (approx. 60 °C), minor scaling

85 = Highest selectable temperature

CLEANING, CARE AND MAINTENANCE

Never use abrasive or corrosive cleaning agents. A damp cloth is sufficient for cleaning the appliance.

Check the tap regularly. You can remove limescale deposits at the outlet using commercially available descaling agents.

Almost every type of water will deposit limescale at high temperatures. This settles inside the appliance and affects both the performance and service life. The heating elements should therefore be descaled if necessary. A qualified contractor who is aware of the local water quality will tell you when the next descaling is due.

TROUBLESHOOTING

Problem	Cause	Remedy
The appliance does not supply hot water.	The temperature selector is set to "°C".	Switch the appliance ON by turning the temperature selector.
	No power at the appliance.	Check the plug / fuses in the domestic fuse box.
Water can only be drawn at a reduced rate.	The aerator in the tap is scaled up.	Descale / replace the aerator.
Loud boiling noises inside the appliance.	The appliance is scaled up.	Have the appliance descaled by a qualified contractor.

If you cannot remedy the fault, notify your qualified contractor. To facilitate and speed up your enquiry, please provide the numbers from the type plate.

INSTALLATION - SAFETY

Only a qualified contractor should carry out installation, commissioning, maintenance and repair of the appliance.

General safety instructions

We guarantee trouble-free function and operational reliability only if original accessories and spare parts intended for the appliance are used.

Instructions, standards and regulations

Note

Observe all applicable national and regional regulations and instructions.

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INSTALL- APPLIANCE DESCRIPTION

The appliance is intended to heat cold water and supply it to a single draw-off point. The appliance must only be installed with an open (non-pressurised) tap. This open vented (non-pressurised) appliance is only suitable for oversink installation.

Standard delivery

The following are delivered with the appliance:

Wall mounting bracket

INSALLATION - PREPARATIONS

Flush the water line thoroughly.

Water installation

No safety valve is required.

Taps/valves

Sealed unvented taps are not permitted.

Install an open vented tap.

Installation site

Material losses

Install the appliance in a room free from the risk of frost.

Store the dismantled appliance in a room free from the risk of frost, as water residues remaining inside the appliance can freeze and cause damage.

Material losses

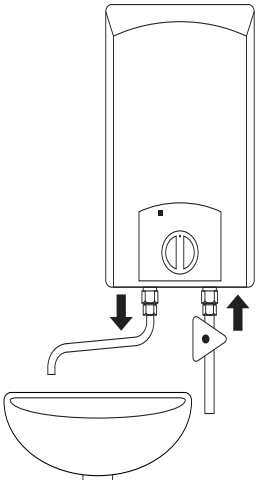
Mount the appliance on the wall. The wall must have sufficient load-bearing capacity.

Note

Ensure that the appliance is freely accessible for maintenance work.

Always install the appliance vertically and near the draw-off point.

Material losses
The appliance is only suitable for oversink installation. The water connections of the appliance point downwards.



Material losses
Connecting pipe length (from tap to appliance) may not exceed 1 m.

INSTALLATION

Appliance installation

Mark out the holes to be drilled on the wall (see chapter “Installation / Specification / Dimensions nd connections”).

Drill the holes and insert suitable rawl plugs.
Secure the wall mounting bracket using suitable screws.
Hang the appliance on the wall mounting bracket.

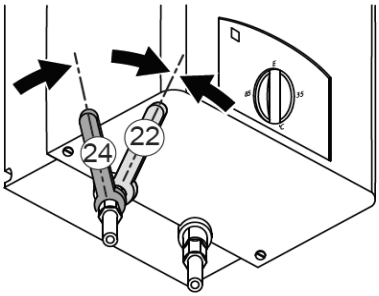
Water connection

Material losses
Carry out all water connection and installation work in accordance with regulations.

Material losses
The appliance may develop a leak and cease functioning.

Never subject the appliance to water pressure.
Never interchange the water connections.
Set the flow rate (see tap instructions). Observe the maximum permissible flow rate with a fully opened tap (see chapters "Installation & Data table").

Material losses
When tightening the fittings, counterhold with a suitable spanner.



Secure the water connections from the tap to the appliance

Power supply

WARNING Electrocution
Carry out all electrical connection and installation work in accordance with relevant regulations.

WARNING Electrocution
When permanently connected to the power supply using a dedicated junction box, the appliance must be able to be isolated from the mains power supply by an isolator that disconnects all poles with at least 3 mm contact separation.

WARNING Electrocution
Ensure that the appliance is earthed.

Material losses
The voltage specified on the type plate must match the mains voltage.
Observe the type plate.

The following electrical connections are permissible:

Permanent connection to a fuse spur with switch and earth conductor.

COMMISSIONING

WARNING Electrocution
Commissioning may only be carried out by a qualified contractor in accordance with safety regulations.

IInitial start-up

Either open the DHW valve of the tap or set the mono lever mixer tap to “hot” until the water that flows out is free of air bubbles.
Switch on power at the fused spur.
Select a temperature.
Check the entire hydraulic installation for tightness.

Note
If you fail to follow the correct sequence (first water, then power), the high limit safety cut-out will trip.
Proceed as follows:
Disconnect the appliance from the power supply.
Fill the appliance with water.
Connect the appliance to the power supply.

Appliance handover

Explain the functions of the appliance to the user. Show the user how to operate the appliance.
Make the user aware of potential dangers, especially the risk of scalding.
Hand over these instructions and, if applicable, the instructions for any accessories.

SHUTDOWN

Isolate the appliance from the power supply by switching off at the fused spur. Drain the appliance (see chapter "Installation / Maintenance / Draining the appliance").

TROUBLESHOOTING

Problem	Cause	Remedy
The appliance does not supply hot water.	The high limit safety cut-out has tripped.	Remedy the cause of the fault. If necessary, replace the temperature controller. Allow the appliance to cool down. If you have isolated the appliance from the power supply, the high limit safety cut-out will be reset automatically.
Loud boiling noises inside the appliance.	The appliance is scaled up.	Descale the appliance.

MAINTENANCE

WARNING Electrocution
Before any work on the appliance, disconnect all poles of the appliance from the power supply.

Dismantle the appliance for maintenance work.

Draining the appliance

WARNING Burns
Hot water may escape during draining.

Drain the appliance via its connectors.

Opening the appliance

Pull off the temperature selector.
Remove the screws from the appliance cap.
Open the appliance cover by lowering the bolt screws inwards and pivot the cover upwards, then remove it.

Descaling the appliance

Material losses
Never treat the cylinder surface with descaling agents.

Remove the flanged immersion heater.
Carefully tap the heating element to remove coarse limescale deposits.
Immerse the heating element up to the flange plate in descaling agent.

Checking the earth conductor

Pull off the temperature selector.
Check the earth conductor (in Germany, e.g. BGV A3) across a temperature controller fixing screw and the earth conductor contact of the power cable.

Replacing the power cable

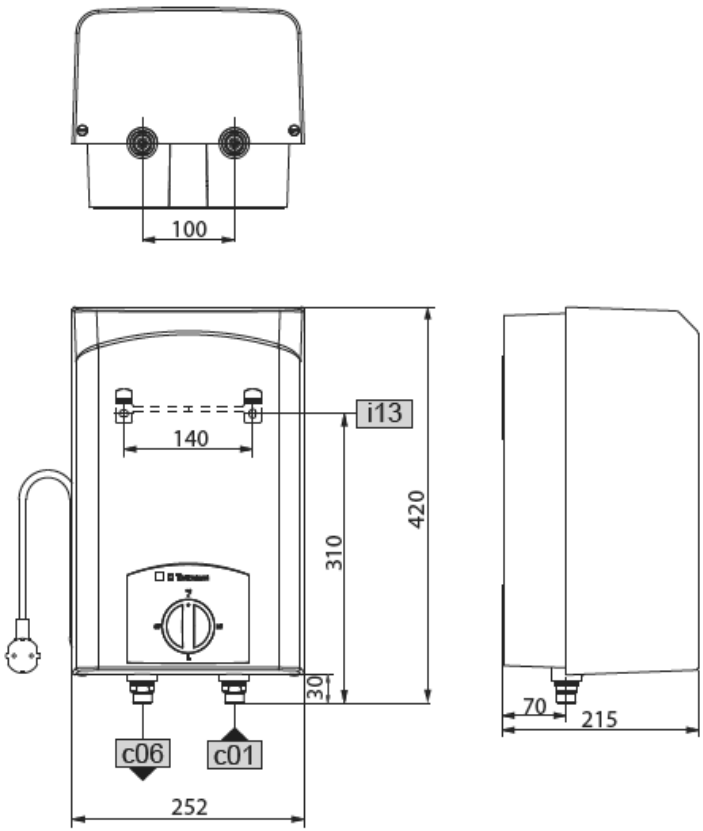
The power cable must only be replaced by a qualified contractor with an original spare part.

Note
Never remove the plastic thread holding the profile plate.

Positioning the temperature sensor in its protective pipe

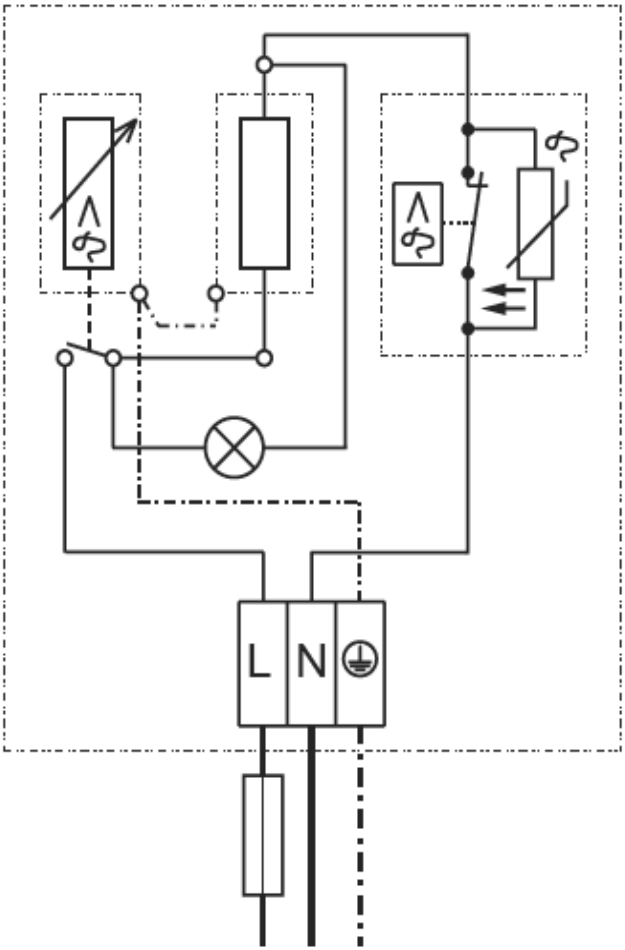
When replacing the temperature controller, guide the temperature sensor into its protective pipe.
Secure the temperature sensor in place below the earthed plug.
Ensure that the inserted legth is 200mm

DIMENSIONS



c01 Cold water inlet	Male thread	G 1/2 A
c06 DHW outlet	Male thread	G 1/2 A
i13 Wall mounting bracket		

WIRING DIAGRAM



HEAT UP PROFILE

Heat-up performance

The heat-up period depends on the degree of scaling and residual heat. The heat-up time for a cold water supply at 10 °C and a maximum temperature setting 60°C will be achieved in 8 minutes

Country-specific approvals and certifications

The test symbols can be seen on the type plate.

Extreme operating and fault conditions

In the case of faults, a peak temperature up to 100 °C may briefly occur in the system.

Details on energy consumption

The product data complies with EU regulations relating to the directive on the ecological design of energy related products (ErP).

ERP DATA

		EPU - OS5
Manufacturer		Tatramat
Load Profile		XXS
Energy Efficiency Class		A
Energy Conversion Efficiency	%	37
Annual Power Consumption	kWh	494
Default Temperature Setting	°C	55
Sound Power Level	dB(A)	15
Daily Power Consumption	kWh	2295

DATA TABLE

	Unit of Measure	EPU - OS5
Hydraulic data		
Nominal capacity	Litres	5
Mixed water volume at 40 °C	Litres	10
Electrical data		
Rated voltage	V	230
Rated output	kW	2
Rated current	A	8.7
MCB/fuse rating	A	10
Phases		1/N/PE
Frequency	Hz	50/60
Application limits		
Max. permissible pressure	bar	0
Max. flow rate	l/min	5
Energy data		
Standby energy consumption/24 h at 65 °C	kW	0,29
Energy efficiency class		A
Versions		
IP rating		IP24D
Type		Open
Internal cylinder material		PP
Thermal insulation material		EPS
Colour		White
Connections		
Water connection		G 1/2 A
Weight empty	kg	3.0

GUARANTEE TERMS & CONDITIONS

This product is guaranteed against faulty materials and manufacture for a period of one year from the date of purchase. In the event of issues with the product the customer shall return the product to the merchant or other retailer from where the product was originally supplied. No site field support will be provided for this product.

The Warranty is valid provided that:
1. The appliance has been installed by a competent person in accordance with the installation, User instructions, all relevant Code of Practice, Regulations in force at the time of installation and that all necessary controls and safety valves have been fitted correctly.

2. The appliance has only been used for heating potable water.

3. The appliance has been maintained as detailed in the Installation and User Instructions.

4. The product has been returned with proof of purchase.

Exclusions:
The inner container with integral heating element is not guaranteed against excessive scale build-up.

The Warranty is void if:
1. The appliance has been modified or tampered with in any way.

2. The appliance has been damaged by frost.

Should the product be faulty contact the technical support line and obtain a returns number and identify which branch the product will be returned to. Return the product to the brach along with the returns number.

This guarantee, in no way, affects the statutory rights of the consumer

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