THERMOFLOW®

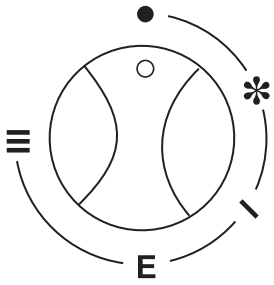
Storage Water Heater 5L

Ot5
Ut5
Ot5 Combi
Ut5 Combi

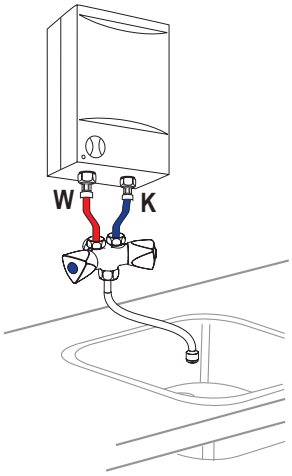
Non-Pressure 0 MPa (0 bar)

OT5 OBERTISCH/ OVERSINK

1.

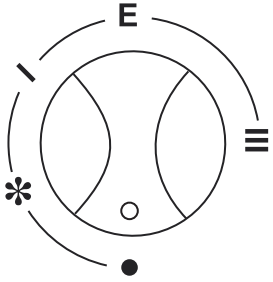


2. Ot5 Set QMIX10

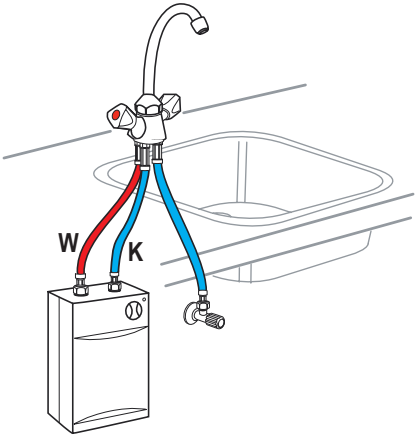


UT5 UNTERTISCH/ UNDERSINK

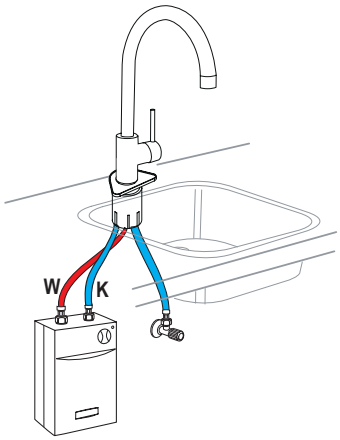
1.



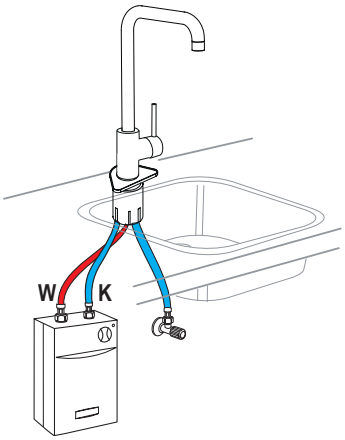
2. Ut5 Set QMIX12



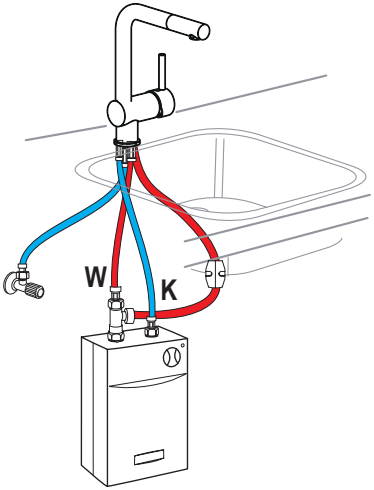
3. Ut5 Set Ovalis



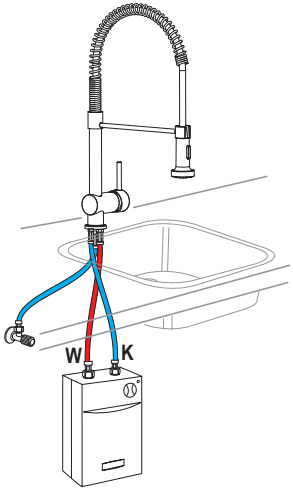
4. Ut5 Set Angular



5. Ut5 Set Tantum



6. Ut5 Set Ovalis Pro



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1. Use of the manual

Thank you for selecting our non-pressure 5-litre Thermoflow device.

These instructions contain important information about commissioning, operating the device and maintenance. To ensure your safety and that of others we suggest that you read these installation and operating instructions before using the device for the first time. Please keep the instructions and other documentation close to the device.

This device has been manufactured in accordance with the prescribed standards and has been tested by the competent authorities. It has a Safety Certificate and a Certificate of Electromagnetic Compatibility. The technical data for the product is displayed on the label between the inlet and outlet pipes.

The appliance should be installed by qualified persons. All repair and maintenance work on the device, for example the removal of limestone and water scale deposits, may only be carried out by duly authorized technical staff. The applicable regulations (German Technical and Scientific Association for Gas and Water (DVGW) Technical Guidelines for Water Systems) and regional requirements must always be duly observed!

This device has been designed for use in modern small apartment blocks, hotels and toilets. Its modern design and the use of carefully selected materials and an improved manufacturing process ensure high quality.

Symbols

The following symbols are used in these instructions/appear on the appliance:

	Complies with the basic safety standards set by European Directives.
	Failure to observe the instructions identified by this symbol may endanger persons. Failure to observe the instructions identified by this symbol may lead to damage to the device.
	Indicates a voltage that is present. Failure to observe the instructions identified by this symbol may lead to damage to the device.
	Read the manual.
	Faulty and/or electrical or electronic appliances that are to be disposed of must be handed in at the relevant recycling centers set up for this purpose.

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.

It is adamant you use a low pressure valve!

Statement of conformity

Thermoflow duly declares that the Thermoflow boiler complies with the following directives:

- 2014/35/EC Low Voltage Directive
- 2014/30/EU Electromagnetic Compatibility Directive (EMC)
- 2011/65/EC (RoHS II)
- 2009/125/EC Eco design
- (EC) No. 814/2013

The product also conforms to the following harmonized European standards:

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3
- EN 62233
- EN 50581
- EN 60335-1
- EN 60335-2-21

12-2022
NEG-Novex Großhandelsgesellschaft für Elektro- und Haustechnik GmbH
Chenover Str. 5, D-67117 Limburgerhof

2. Mounting instructions

Environment

This device is delivered in sturdy packaging in order to avoid damage during transport. This packaging consists mainly of recyclable materials. We request that you dispose of the packaging accordingly for recycling purposes.

Disposal of the appliance

Old appliances must not be disposed of in your household waste!
Every consumer is legally obliged to dispose of old appliances separately from their house-hold waste and to take them, for example, to a collection point in their local community or local district. Old electrical appliances will be accepted there free of charge. This ensures that the old appliances are properly recycled and any negative impacts on the environment are avoided.
This is why electrical appliances are marked with the symbol shown on the left.

Installation

The device should be installed in accordance with the drawing on the first page of the user manual. Any other installation position may result in serious damage to the device. Installation should take place as close as possible to a cold water connection. The product should be protected from the effects of frost (for example in caravans, summer houses, etc.). Depending on the model, the device may be installed above (OT-model) or under (UT-model) the work top.

Frost

If there is the risk of frost in a room, the device should not be installed in this room. If, despite this advice, the device is installed in a room where there is a risk of frost, the device should be emptied before the risk arises.

Connection to the water supply

(Illustration 1.)
K = cold water entry side (for filling) blue.
W = hot water exit side (hot water demand) red.
The device is designed for use in non-pressure systems. This system allows water to be drawn from a single discharge point. Never use a shut-off valve in the appliance's outlet. The connection pipes must be installed as shown in the drawing.

A low-pressure tap fitting must be used for non-pressure installation.

It is important you are absolutely certain that the tap you want to connect concerns a low pressure tap. If any doubt, always consult your installer.

The water supply pipe and water discharge pipe are marked (red for hot water, blue for cold water). (See the assembly instructions for the tap fitting.)

If the mains water supply pressure exceeds 5 bars, a pressure restrictor must be fitted in the feed pipe. At the spout of the tap only a strainer (supplied with tap) can be installed, whereas a normal aerator or restrictor is prohibited.

Use of the latter, or usage of a tap that is not meant for low pressure installations (e.g. garden hose), may cause pressure build-up in the device that might lead to damage and thereby void the warranty!

Connection to the electricity supply

The device must be filled with water (see above). Only then may the appliance be connected to the electricity supply (insert the plug in the wall socket). Connection of the device to the power supply network must take place in accordance with electric installation standards and as specified by local laws and regulations. The device must be directly connected to the power supply network (230V) via an electrical cable and plug.

Avoid danger from damaged power supply cables. In the event of damage, the device must be replaced by the manufacturer or its customer service department, or by an equivalently-qualified person.

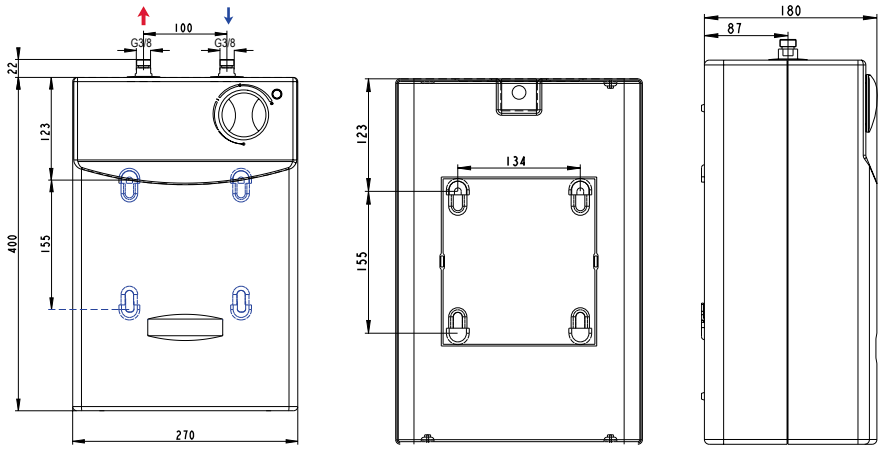
Ensure that the addition of this boiler will not overload the fuse protection in your mains. Internal modifications to the product may cause problems if this work is not carried out by authorized and qualified technical staff. The warranty only applies if the product has not been modified in any way, i.e. subject to it being in unchanged condition.

In order to avoid creating an unsafe situation by inappropriate reset-ting of the maximum temperature safety device, this unit may not be powered via an external switching device (a time switch for example) or connected to a circuit, which is regularly switched on and off by the power supply company.

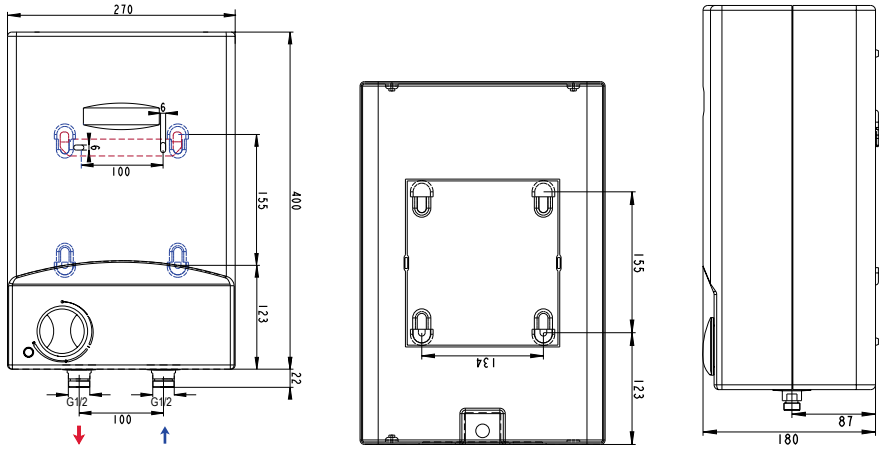
Technical specifications

Description		Ut5 / Ut5 Combi	Ot5 / Ot5 Combi
Wall mounting		Vertical	
Nominal volume	Liter	5.3	
Construction		Open outlet	
Heat loss	Wh/h	12.5	
Maximum recommended water volume	Liter/Minute	5	
Nominal capacity	kW	2.0	
Nominal voltage	V	230	
Frequency	Hz	50	
Protection class	I	I	
IP rating		IP24	
Water connection	Zoll	G3/8“	G1/2“
Connector material		Brass	
Dimensions (h x w x d)	mm	420x270x180	
Temperature range	°C	35-75	
Distance, pipe to wall	mm	85	
Weight when empty	kg	2.8	
Operating pressure	MPa	0	
Standby consumption	W	<1W	
Min. inlet pressure	MPa	0.1MPa	
Heating time from 10 to 65 °C	min	10min	
Cable length	cm	85cm	
Annual electricity consumption	kWh	490kWh	
Daily electricity consumption	kWh	1.34kWh	
Load profile		XXS	
Sound power level	L_{wa}	16dB	
Energy efficiency	η_{wh3}	37.7%	
Energy level		A	

Device size (Ut5 / Ut5 Combi)



Device size (Ot5 / Ot5 Combi)



3. User instructions

The device must be filled with water before connection to the electrical supply!

When powering up for the first time, you must verify that the temperature indicator (light) extinguishes when the required temperature is reached (the device has reached the set temperature). The device only switches on again if the temperature falls below this setting. (See troubleshooting)

When filling for the first time, the hot water valve in the low-pressure tap fitting must be open so that water can flow into the device. If the device is not filled with water beforehand during installation, the automatic safety device will activate and switch off the appliance. (See troubleshooting instructions on how to act in the event of a fault.)

Thermostat (temperature setting)

(Illustration 2.)

•	Cold; heater is switched off.
✻	Automatic frost protection active; the device switches on if the water temperature falls below 7°C.
I	Water temperature has risen by +/- 35°C.
E	Energy-saver mode/reduced energy consumption: Greater energy savings are possible if the water temperature is set to a maxi-mum of +/- 55°C. This also reduces the risk of damage to the device.
III	Water temperature is +/- 75°C.

Usage and maintenance

Please refer to the previous section for details of the thermostat settings. We recommend you use position „E“ as this guarantees maximum energy efficiency by maintaining the water temperature at approximately 55°C; furthermore lime scale build-up and heat loss are much lower than at higher temperatures.
Operation of the device is indicated by the indicator light, which lights up when the device is on and extinguishes when the set temperature is reached or the device is turned off.

During heating, the volume of the water in the device expands, causing a flow of water („expansion water“) from the low-pressure tap fitting. This is perfectly normal and no preventive action needs to be taken. Further tightening will not prevent the flow of expansion water. This may damage the hot water valve.

Frost

When the device has not been used for a couple of months, it must be protected against the effects of frost.
Leave the power supply on and set the thermostat knob to „✻“. When set to this position, the device maintains the water temperature at approximately 7°C.
If you will not use the device for more than half a year, unplug it, disconnect it from the water supply and empty it. To that end, hold the device with the connection hoses upwards. Remove the connection hoses. Then hold the device, with the connections pointing downwards, over a sink. Caution: the boiler will release 5 liters of water.

4. Maintenance

Maintenance

This device does not require any maintenance by the user. Professional maintenance should always be carried out by an expert.

If faulty, never try to repair the device yourself. Please contact the nearest service specialist or the party that supplied the device originally.

De-scaling

A service inspection should be performed by authorized and qualified technical staff every year. De-scaling of the device during this inspection is highly recommended, especially when you live in an area with hard water exceeding 12°dH (German standard of hardness). Higher water temperature will intensify calcification. It is therefore recommended to set the device at maximum 55°C (energy-saving setting) in areas with extremely hard water >16°dH.

Cleaning

The housing of the device can simply be cleaned with a damp cloth. Do not use aggressive cleaners or cleaners with a scouring effect!

Legislation prevention

Do not use heated water as drinking water.
After prolonged shutdown of the device for example due to holidays, the device should be fully heated up to the maximum temperature (tap at minimum flow) before re-using. It is recommended to flush the pipes for one minute.

5. Trouble shooting

Fault	Explanation	Solution
The indicator lamp does not light up	No voltage	Check fuse and socket
	Device has reached the set temperature	No need to do anything
Water temperature not as required	Thermostat set incorrectly	Change the setting of the thermostat
Too little/no water	Water pressure too low	Check whether other cold water taps have the same problem
	Stop valve not fully open	Open the stop valve
	No water	The device should be turned off as soon as possible! See also „The device does not work.“
Water lying below the device	The device is leaking	Notify the place of purchase
	Water pipes are not securely connected to the device	Check the water connections
Tap drips when heating up	Is normal due to the expansion of the heated water	No need to do anything
Bubbling noises in the tank	Too much calcification	The device must be de-scaled by an expert
The leakage current circuit breaker is triggered	Too many devices on the safety group	Remove some devices from the group or look for an empty group
The device does not operate at all	If the device no longer operates, check whether the fuse or the leakage current circuit-breaker has tripped. The hot water reservoir is equipped with a maximum temperature switch to ensure your safety. The device will automatically switch off if excessive heating takes place. When this hap-pens, switch off the appliance for a few minutes by removing the plug from the power supply socket and allow the appliance to cool. The appliance can be reconnected to the mains power supply again after approximately 20 minutes.	

6. Warranty conditions

Guarantee	The rights under this manufacturer's warranty apply in addition to the statutory rights of the purchaser. This warranty does not affect the statutory rights of the buyer in any way, in particular against the seller.
Claim	The assertion of rights from this guarantee requires the submission of the respective proof of purchase.
Contents	NEG-Novex Großhandelsgesellschaft für Elektro- und Haustechnik GmbH, Chenover Str. 5, D-67117 Limburgerhof, guarantees that this product is free from material and manufacturing defects. Material and manufacturing defects occurring during the warranty period justify the warranty rights. This warranty does not cover failures resulting from improper installation or misuse, improper operating conditions, or improper maintenance or repair work.
	Normal wear and tear such as limescale deposits is also excluded from this guarantee. The warranty is void if the problem is caused by extreme levels of drinking water (pH not between 7 and 9.5 and/or Cl over 150mg/L and/or Fe over 0.2mg/L).
Duration	The warranty is 24 months. The warranty period begins on the day of purchase of the product. Warranty services neither extend the warranty period nor trigger a new warranty period.
Malfunction	Please report the defective product to your specialist retailer.
Lapse	Attempted repairs by a customer or a third party not authorized by NEG-Novex will void the warranty. The same applies if parts are installed in the product or connected to the product that are not original parts from NEG-Novex.
Restriction	This warranty is limited to rectification and subsequent delivery. This guarantee does not cover compensation, withdrawal from the contract, price reduction or reimbursement of consequential damages due to defects.

ISO 9001 CERTIFIED

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