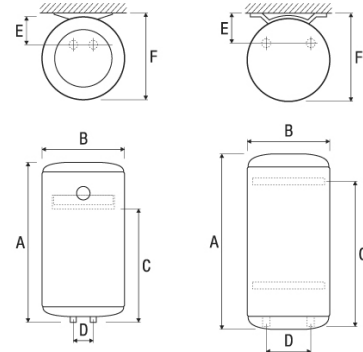


INSTALLATION INSTRUCTION

ATLANTIC Electric Water Heater
Capacity
80, 100, 150 and 200 L

1. Basic Technical Data

Capacity (l)	Net Weight (kg)	IP Protection	Input (W)	Maintenance Consumption (kWh/den)	Voltage (V)	Heating Time (hod:min)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
80	21	IP 25	1200	1,40	220-240 50/60 Hz	3:50	821	433	590	100	164	451
100	23	IP 25	1600	1,62		3:36	987	433	740	100	164	451
150	41	IP 25	2200	1,60		3:56	1256	505	1048	230	175	529
200	50	IP 25	2200	1,90		5:14	1574	505	1048	230	175	529



2. Installation

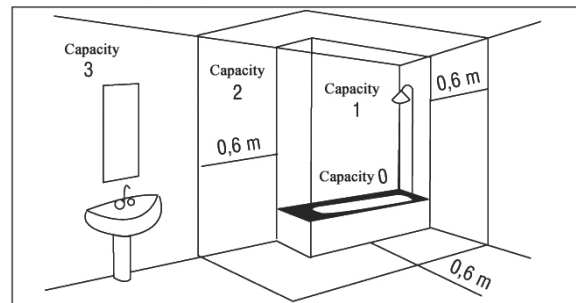
A qualified technician carrying out the installation is obliged to observe applicable national standards and regulations concerning connection to the water distribution system and the electric network. The manufacturer is not responsible for any unprofessional or incorrect installation.

- Locate the heater in a room protected against frost.
- Verify whether the wall will carry the weight of the heater filled with water.
- If the heater is to be located in a room with high humidity or temperature exceeding 35 °C, ensure proper airing of the room.
- Our products may be installed in all bathroom sections except “Capacity 0” (see fig. 1).
- Should the heater be installed above a residential area, a bathtub or a washbasin with outlet must be installed.

FIXATION OF HEATER ON A WALL

Heaters 80 and 100 L

- Fasten the heater on a wall with 2 L-shaped hooks of min. 6 mm diameter. Check carefully the quality of fastening (full wall) (see photos 1 and 2 at the end of the instruction).
- Observe the direction of fastening. Clearance capacity of installation on the packing will help you drill holes for fixing screws.



Heaters 150 and 200 L

- Leave a minimum gap of 480 mm under the heater piping.
- Fasten the heater on a wall with 4 Æ-shaped screws of a 10 mm diameter.
- Check carefully the quality of fastening (full wall).
- The heater may be placed on a tripod (optional).
- The upper bracket must be fixed to a wall so that the heater cannot overturn.



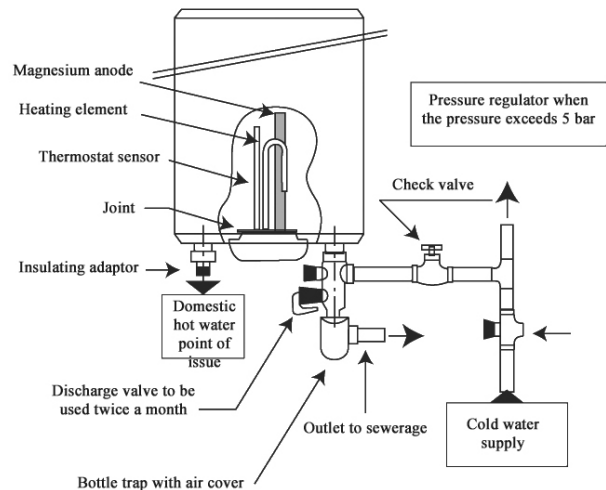
3. Connection to the Water Distribution System

- Before starting connection to the water distribution system, it is very important to clean inlet pipes properly to prevent metal or other particles from getting into the heater body.
- In case of copper piping, connection to the hot water outlet must be made with a cast-iron or steel coupling sleeve or a non-conductive sleeve to avoid corrosion of piping (by direct contact of iron and copper). Brass sleeve is not permitted.

INSTALLATION OF PRESSURIZED HEATERS (see fig. 2)

- Installation of a new safety device A (see photo no. 5 at the end of this instruction) on the water heater inlet is compulsory in accordance with applicable standards (a safety valve is delivered together with the heater).
- A pressure-reducing valve is necessary in case the inlet pressure exceeds 5 bar (not delivered).
- It is necessary to remember a safety device of the outlet pipe taking away water dripping due to thermal expansivity or discharged to empty the heater.

Vertical suspension model



INSTALLATION OF NON-PRESSURIZED HEATERS (supply to one intake point)

- A special blender not included in the delivery must be used.
- Warning: When water is heated at the level of mixing tap, it is dripping. Let the dripping water flow off free.

4. Connection to the Mains (photos 6 – 9 at the end of the instruction)

- The heater may only be connected with a single phase to alternating voltage 220/240 V.
- Connect the heater to a fixed service drop or a standardized grooved lead with a cable of conductors of 2.5 mm² profile in case of heaters equipped with C cable, or use direct connection.
- The cable earthing conductor must be connected to the earth or an earthing wire must be led to a prepared connector indicated with the symbol \perp . This connection is necessary due to safety. The green-and-yellow earthing wire must be longer than phase wires.
- The installation must be equipped with a device for disconnection in both poles corresponding to the applicable CSN EN standards (min. 3 mm disconnection of contacts).

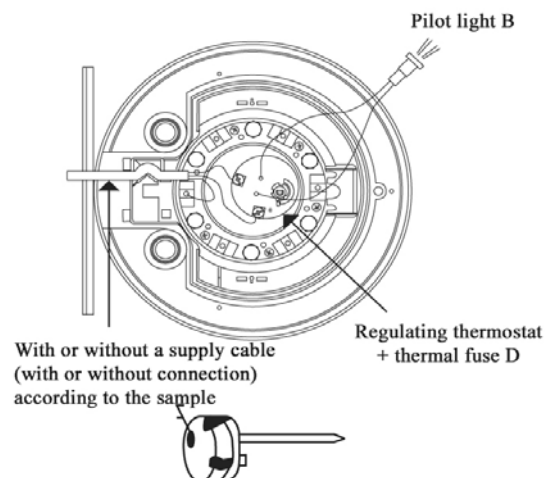
THERMAL FUSE

All our products are equipped with a manually controlled thermal fuse that interrupts power supply to the heater when the temperature of water reaches dangerous height.

In case of the safety fuse failure:

- Disconnect the power before any intervention.
- Remove the cover.
- Check the electrical connection.
- Throw up the fuse.

In case of repeated fuse failure have the thermostat replaced by a competent expert.



5. Commissioning

- **Attention! Never switch on the heater without water content.**
- Before switching the heater on, fill it with water. Do not forget to open hot water taps and vent the piping completely before filling the heater with water.
- Check the piping and sealing of the door under the cover for impermeability. In case of water leakage, tighten moderately.
- Check the function of pressure fuses and valves.
- Switch on the heater.
- Check the heater for its normal operation according to the capacity in 5 to 20 minutes (if there is no water leakage in sealing points and if water is already lukewarm) (due to the safety device water should drip from the safety valve).
- Fizz of boiling water can be heard during heating, in dependence on the water quality, in some heaters with immersion heating elements. It is a normal phenomenon that means no failure.

THERMOSTAT SETTING (see photos 6 and 9)

- Some heaters are delivered with a regulating knob to set water temperature from 10 to 65 °C. The water in the heater must be heated to the minimum temperature of 60 °C at least once a day to kill all germs in the tank.
- On heaters without regulating knobs temperature is set right on the thermostat under the cover. The thermostat is regulated with a stop ($65\text{ °C} \pm 5\text{ °C}$).

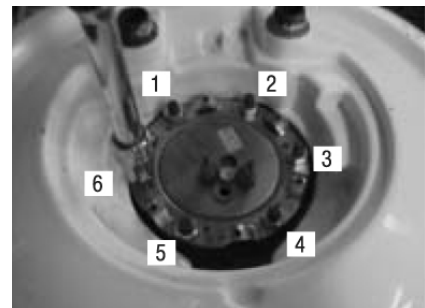
6. Maintenance

HOME MAINTENANCE

- Open the safety discharge valve once a month.

PROFESSIONAL MAINTENANCE

- We recommend:
 - a) Remove incrustation from the heater and its parts without scratches and other damage of walls every two years. It is recommended to treat water with thermal unit higher than 20 °F. If a softening agent is used, water hardness should not drop below 15 °F.
 - b) Exchange the magnesium anode every two years or every time when its wear is higher than 50 %.
- The heater must be drained off for exchange of the heating element or anode. Do not forget to disconnect the power, shut the cold water supply and open hot water taps (see photos 10 and 12).
- Any time the heater is opened, sealing must be exchanged. Closing the heater, tighten nuts properly (for cross scheme 1/4/2/5/3/6 see photo 12). Check the tightness next day and retighten in case of need.



SPARE PARTS

Thermostat D (photos 6 to 8), heating element G (photo 10), sealing H (photo 11), pilot light B (photo 6), magnesium anode H (photo 10).

Original spare parts delivered by the manufacturer must be used! (For the list of offered spare parts see www.fenixgroup.cz)

7. Guarantee Conditions

- The water heater must be installed by a qualified technician in accordance with applicable standards, our service manual and instructions for use.
- The water heater shall be used in a normal way and its regular maintenance shall be carried out by an expert.
- In compliance with these conditions, our guarantee covers a free exchange or delivery of parts recognized as defective by our authorized service technician, or prospectively, a free exchange or

delivery of the whole heater except installation and transport costs, indemnification or prolongation of the guarantee.

- The guarantee period starts from the delivery date or the date written on the proof of purchase or installation. Should the above documents not be presented, the guarantee period will start from the date of production written on the heater nameplate to which 6 months will be added.
- The manufacturer will in no case reimburse costs arisen from any damage due to incorrect installation (frost, missing discharge piping, bathtub or washbasin) or difficult approach.
- Any complaint will be reported to the exclusive dealer before an exchange under guarantee. The exchanged heater/part will be at the seller's disposal then.
- The guarantee does not cover the wear of magnesium anode.

THE GUARANTEE DOES NOT COVER DAMAGES DUE TO

- Extraordinary environment conditions (installation in frost or exposure to unfavourable weather conditions, use of abnormally aggressive water which does not meet markedly drinking water criteria, feeding with too high voltage)
- Wrong installation inconsistent with applicable regulations, standards and rules of the country of purchaser, missing safety device preventing from too high pressure or its wrong installation, abnormal corrosion due to wrong hydraulic connection (direct contact of iron and copper), faulty earthing, insufficient diameter of cable, non-compliance with the prescribed wiring diagram, etc.
- Wrong maintenance (abnormal incrustation on the heating element and the safety device, failure to perform the safety device maintenance, the body exposed to outside damages, changes in the original equipment without manufacturer's approval, or use of spare parts not recommended by the manufacturer).

GUARANTEE PERIOD

In the event that the conditions of this Installation Instruction are observed, the guarantee for the tank corrosion is 60 months provided the magnesium anode was exchanged 24 months after installation. The guarantee for other defects is 24 months. For more details on the guarantee conditions see www.fenixgroup.cz

Date of sale:

Seller's signature and stamp:

