

## Water adjustment

Water in your heating system should have necessary conductivity in order to gain exact power of your boiler. Water conductivity changes amperage of your boiler, so you can check it with clamps amperemeter. Otherwise, conductivity has to be 320  $\mu$ Sims.

Switch on the boiler and after 30 seconds check starting amperage with clamps amperemeter, inlet water temperature should be 15- 20<sup>0</sup>. Switch off the boiler. Here you can get three results: starting amperage can be higher, lower or equal to the described values in the table below.

No	Boiler type	Nominal power kW	Voltage V	Phase	Starting amperage in 15 <sup>0</sup> C inlet water A	Maximum boilers amperage in 60 <sup>0</sup> C inlet water A
1	Ochag 2	2	220	1	4	9.1
2	Ochag 3	3	220	1	5	13.7
3	Ochag 5	5	220	1	10-12	23
4	Ochag 6	6	220	1	15-18	27
5	Geyser 9	9	380	3	6-8 per phase	13.7 per phase
6	Geyser 15	15	380	3	8-10 per phase	23 per phase
7	Volcano 25	25	380	3	12-15 per phase	37 per phase

When amperage is lower from described in the table, you should do next correction:

Make salty water (1 tea spoon per 200ml hot water) and add to your heating installation. Such salty water quantity supposed to be mixed with approximately 100L water in you installation. Depending on the values difference, add some salty water to 20L water, poured out from your installation, mix it well and pour in back to the installation. Switch on pump to work for about 20-30 minutes to mix water. Water mixing time depends on the system volume. After that Switch on the boiler and after 30 seconds check starting amperage with clamps amperemeter, inlet water temperature should be 15- 20<sup>0</sup>. Switch off the boiler. If necessary, repeat described procedure. When value compares to corresponding from the table, check amperage in 60<sup>0</sup>C inlet water temperature.

When amperage is higher from described in the table, you should add to your installation water with higher resistivity, for example you can use distilled water, pure filtered water or any other water with lower conductivity, such as tap water with resistivity more than 3000 – 3200  $\Omega$  in 15<sup>0</sup>C Water quantity depends on your heating installation volume. Measurements carry out similar to the described above, when amperage is lower, than it is necessary.

## Maximum warmth – minimum expenses

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