

TECHNICAL DESCRIPTION OF THE ELECTRONIC WATER PROCESSOR AQUA SOFT II

AQUA SOFT II is a radio wave transmitter, in the high spectrum frequencies, which are completely harmless. These radio waves penetrate the inner walls of the pipeline and create an electric field of convertible polarity in the water, which forces the salt / metal ions to oscillate like a pendulum.

The result is the neutralization due to the ions trade and **alteration of the salts crystallization**, water behaves henceforth like “soft water” as becomes better dissolver, **removal of preexisting lime scale and loose rust**. Finally **hyperoxidation occurs on the metallic surface which means that electrolysis, rust and corrosion stops**.

This protection is obtained due to the alteration of charge on the inner surface of the metal pipe by virtue of its “bombardment” by the profusion of electrons

Due to convertible high frequency field does not create static charge in the environment. It does not create decay to electronic and electric systems which are close to that. It is completely harmless

It is CE – LVD (low voltage directive) approved and holds EMC electromagnetic compatibility certificate (radiated immunity test EN 61000-4-3 : 2000 και product family standard EN61000-6-1).

It could be ordered to be contained in a certified explosive proof box. (for special applications).

This electronic device consists of 3 parts:

- The grey electronic box (the main box) with following dimensions:
27cm length X 15cm width X 6,5cm height
or
36cm length X 20cm width X 17cm height
- The black small box
- The electrode – antenna (in a special black protecting cover) of 1,5 cm wide and length corresponding to cover the full diameter of the pipe to be installed which will be wrapped up around the pipe on which will be installed.



1,5 - 2 cm pipe length (minimum) up to 10 cm pipe length (for better application) is needed for the application of the antenna.



- The device can be under 110 – 240 Volt with no need of transformer (and up to 290V for very short period).
- At the lower part of the box protrudes a thick black cable which receiving power of 100 – 240 Volt with a Schuko type plug.
- At the upper side of the box protrudes a thick black cable of approximately 3 – 10 mm until a small black box.
- This black box on the other side has a gray cable covered by Teflon tube of about 10cm length till the electrode – antenna which will be connected round the tube according to the instructions.

To check it's proper operation it has:

1. A green light indicating function at the grey box
2. An green light indicating function at the black small box

WATT	3 – 30
VOLT	100 – 240
IP MODULE	65
IP BOX	56 CLASS II
Hz	50 – 60
UL internal box	94

Electric protection:

- 1 fuse 2 Amp glass type for power transformer inside the BENS (power transformer type, switching)
- 1 safety 2 Amp glass type external fuse (for protection of the full system).
- Protection for overload (150% on starting), over-current (for up to 260V), voltage spikes.