

# AQUA SOFT II

## The “100% ecological” electronic water processor

THE NEW ADVANCED ULTRASOUND TECHNOLOGY FOR VERY HARD, BRACKISH, SEA WATER

### SHORT PRESENTATION

- **AQUA SOFT II** is an electronic device which after its installation on a hydraulic network and on any apparatus encompassing a water flow, it rids it fast and permanently of the already existing scale, rust deposits and algae. Consequently it protects the network from electrolysis, corrosion and further damage increasing its life span to the highest degree. Thus, you have an immediate and significant benefit, as you are relieved of this problem once and for all. Moreover, you can forget about the cost of any “expendables” as the device does not need any maintenance

### APPLICATIONS

1. HOUSES – HOTELS – BUILDINGS.
  2. CULTIVATIONS (certified by an official research of the Athens Geoponic University).
  3. INDUSTRIES – ARTISANSHIP – WATER UTILIZING BUSINESSES.
  4. VESSELS – BOATS.
- **AQUA SOFT II** can be installed on **plastic, steel or copper** water supply pipeline, achieving the same end results. Its efficiency is not affected by pressure, neither by the volume of the water flow, not even by temperature. The only matter, which defines the size as to the device’s power, is how many inches of diameter is the water pipe that we are going to install it on.
  - There are three ways in which **AQUA SOFT II** intervenes in water salts:
    - It changes the way crystallization occurs resulting in no further built-up on the network’s inner walls.
    - It removes the scale from previous built-ups.
    - Henceforth the water acquires soft water properties and the calcium – magnesium no longer encapsulates laundry detergents so that we need at approximately 50% less chemicals or cleansing materials, which means a “vertical” reduction of your expenses.
  - **AQUA SOFT II** is a wave transmitter, in the ultrasound spectrum frequencies, which are completely harmless. These waves penetrate the inner walls of the pipeline and change the way water is behaving (it behaves like soft water).
  - PH also improves.
  - The neutralization of calcium and magnesium charges allows non-built-ups on the inner walls, keeping them in 100% soluble form and floating into water. This new technology causes the neutralization of the above elements at approximately 95 % that’s why they do not build-up outside of water due to they are transformed in other forms of the these elements.
  - **Water becomes more sanitary** because the oxygen’s solubility is increasing and acquires beneficial properties for all living organisms.  
Due to plaque detachment, microbes and bacteria are destroyed. These microbes create health problems and are the main reason for the bad smell and taste of water. This is obvious from the weed (mould) appearing on the walls of pipelines and appliances, electrical or not, which use water and in the inner basin of swimming pools (joints – tiles).  
**AQUA SOFT II** helps to drastically reduce this phenomenon thanks to the complete removal of the plaque, as the microbes no longer have a rich ground on which to develop, while at the same time the electric field that is created instantly kills 40% of these microbes in a single pass. Tests have proved zero pathogen microorganisms (coli form organisms) after three recirculation turns of water.

- The detachment rate of scale from a water pipeline network or an appliance is defined by the thickness of the existing layer of salts, its quality and the water flow passing through the area of retained salts.
- **AQUA SOFT II** is not only creating electrolysis, but also the pipelines in every hydraulic network are maintained clean internally, while at the same time the phenomenon of electrolysis is significantly reduced up to 97 - 100%.
- **AQUA SOFT II** is not a filter in the sense that it does not retain (neither adds, nor removes) any water component, as it does not come into contact with the water.  
It does not change (transform) nor does it alter the water's chemical constitution.  
It's potability is not at all influenced. If the water wasn't potable before, the use of the device it does not make it potable. If there were doubts from the client regarding the potability of the water before use of the device, it would be wise if the client gave a sample of water to an authorised chemical laboratory.
- Its efficiency in extreme water forms "has been proved". That is:
  - Electric conductivity of 13 -14.000 (thirteen - fourteen thousand)  $\mu\text{S}/\text{cm}$  of brackish water (watering of hydroponic NFT type cultivation at the Athens Geoponic University that came mainly from sodium chloride. That is to say that from 400  $\mu\text{S}/\text{cm}$  with the addition of sodium chloride –salt– it reached 12.000  $\mu\text{S}/\text{cm}$  + 2.000  $\mu\text{S}/\text{cm}$  in fertilizers = 14.000  $\mu\text{S}/\text{cm}$ ).
  - Electric conductivity of 60.000 (sixty thousand)  $\mu\text{S}/\text{cm}$  of seawater in evaporator and condenser (the particular machines constitutes the most difficult water applications on vessels) where only 10% traces were visible which were rinsed out just flushing them with water without pressure.
  - Hardness of 325 (three hundred twenty five) French degrees (180 German degrees).

**Particularly for the vessels following results will happen to some of the applications:**

#### **EVAPORATORS – CONDENSERS (OF SHIPS)**

Complete detachment of salts – scale built up. Evaporator works regularly with the highest output something it is obvious from the not reduction of water quantity that it produces.

Machinery and pipings are not destroyed by salts – scale, electrolysis – corrosion, thus their life is expanded. It anticipates costly damage. It is also minimizing the chemicals use which anyway is harmful for humans and the environment. Where there is copper piping which is filled with water that has been treated by AQUA SOFT, you will see the surface having brown appearance which means that «copper hyperoxide» has been created that is neutral material and is very good when it happens. The same happens where the circuit is from iron. At this case «ferrite - saturated iron epitetartoxide» has been created which has blackish appearance. Consequently the use of anodes is not needed anymore. It does not affects coatings but it acts protectively even if in certain spots there are coating detachments.

#### Note

The only systems on which is not functioning properly, are at very few evaporators (mainly Nitchitsu Industries – Model SEVS 16) and this is due to the way they work. At these systems, seawater entering to the evaporator strikes at a vertical plate which forces water to become spray that falls in pipes "which are not covered from water" and evaporates immediately. This means that if the pipes are not covered from water we have not detachment of scale built up. The detachment is sure in all systems that they have continuous cover from water. eg Atlas evaporators.

#### **FRESH WATER PIPE NETWORK SUPPLY**

Protection against scales, rust and corrosion

#### **CENTRALL COOLERS-ENGINE COOLERS**

Protection against scales, rust and corrosion

#### **IN BALLAST TANKS – UPPER WING TANKS (OF SHIPS)**

Installing it to the supply pipe of ballast water tank - upper tank (it can also placed after the main pump therefore covers all the ballasts tank system simultaneously), we have detachment of loose

rust and what remains it is changed in «ferrite - saturated iron epitetartoxide» that it has blackish appearance and is neutral material. The water - pipings network are not destroyed internally by salts – scale, electrolysis –corrosion, rust therefore their life duration is expanded. This is obvious from the intense reduction of deterioration of anode protection increasing simultaneously their life considerably. Also, it does not influence coatings but it acts protective even if at certain spots or places there were coating detachments. At these spots «ferrite - saturated iron epitetartoxide» will be created which will protect from further corrosion. The effectiveness is proportional on how long the water remains in the network of ballast water tank–upper tank. A small recirculation helps the speed of result.

**- AQUA SOFT II has additionally the following technical improvements:**

- It is functioning stable on a currency fluctuation of 90 – 265 V without problem.
- It has long life due to it is made of very high quality material
- It has very minimal current consumption in relation to the result we get, and contains modern microprocessor technology in order succeeds accuracy in operating and its characteristics.
- There are now 2 leds. One for the operation condition and one for the sonic signal.
- Only 10 cm of a pipe are now required for the installation.

If anyone needs more extensive information in terms of function and applications we are always at your service.

**SALES CONSULTANT**

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# Aqua soft II®

Απαραίτητο σαν το νερό!

ΓΙΑ ΝΑ ΜΗΝ ΓΙΝΟΥΝ ΤΑ ΥΔΡΑΥΛΙΚΑ ΣΑΣ...

# ΣΤΗΛΗ ΑΛΑΤΟΣ

## ΕΞΕΛΙΓΜΕΝΗ ΤΕΧΝΟΛΟΓΙΑ ΜΕ ΥΠΕΡΗΧΟΥΣ

Μετά την επιτυχία του επαναστατικού ηλεκτρονικού συστήματος επεξεργασίας νερού Aqua Soft με τεχνολογία ακουστικών συχνοτήτων, που απαλλάσσει αποδεδειγμένα το δίκτυο νερού και τις συσκευές που συνδέονται σε αυτό από επικαθήσεις αλάτων, ηλεκτρολύση και ακουριά, τώρα ήρθε κοντά σας η εξέλιξη της τεχνολογίας αυτής! Το Aqua Soft II με τεχνολογία υπερήχων δίνει λύσεις σε πολύ σκληρά και υφάλμυρα νερά, πάνω από 10000  $\mu\text{S}$ . Εκπληκτικά αποτελέσματα σε οικιακές και επαγγελματικές εφαρμογές! Κατάλληλο για ύδρευση κατοικιών, θερμοσίφωνες, πλυντήρια, συστήματα κεντρικής θέρμανσης, συστήματα κλιματισμού, πύργους ψύξης, ατμολέβητες, διαχωριστήρες ελαιουργείων αλλά και σε χώρους μαζικής εστίασης (πλυντήρια ποτηριών, παγομηχανές, μηχανές του καφέ).



Στο πότισμα: τώρα μπορείτε να ποτίζετε και σε υφάλμυρα νερά μέχρι 15000  $\mu\text{S}$ !

Το νέο Aqua Soft II διαθέτει:

- τροφοδοτικό με σταθεροποιητή – επιτηρητή τάσης
- μικρό μήκος κεραίας (10cm) με αποτέλεσμα η εγκατάστασή του να γίνεται πιο εύκολα
- ξεχωριστή λυχνία ελέγχου αποτελεσματικής λειτουργίας

Εγγύηση ικανοποίησης 90 ημερών ▶ Χρωματικές κάρτες δεκτές ▶ 5 έτη κατασκευαστική εγγύηση

