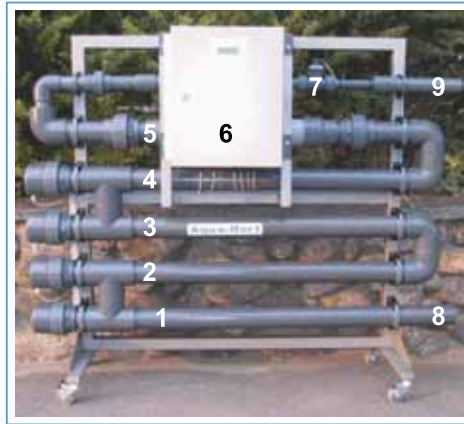


Aqua-Hort® for Nursery Production

Explanation:

- 1 - Electrode 1
- 2 - Electrode 2
- 3 - Electrode 3
- 4 - Electrode 4
- 5 - Electromagnet
- 6 - Control Box
- 7 - Flow meter
- 8 - Water in
- 9 - Water out



Why Aqua-Hort®?

Aqua-Hort® implements a controlled supply of supercharged copper ions and an electromagnetic water treatment to the water.

It has been known for a long time that a controlled level of free copper ions in the water can contribute considerably to the prevention of fungus attacks. Especially from **Pythium** and **Phytophthora**. Both of these can be very destructive when they attack. These two fungi form zoospores which are spread in watery environments. Laboratory tests show that the zoospores are killed when exposed to Aqua-Hort® treated water. Recent testing shows that Pythium, Phytophthora, Ramorum, Clavibacteria, Xanthomonas, Agrobacteria, Ralstonia, Erwinia and Chalara is also killed by Aqua-Hort®.

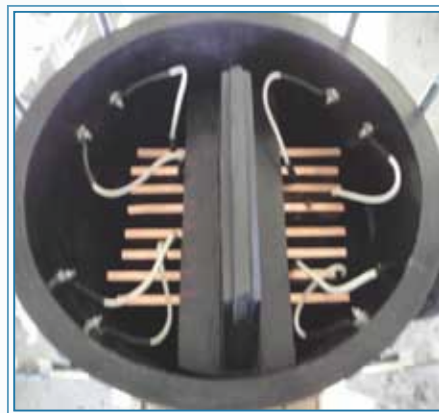
A controlled supply of copper ions was difficult in the past, because copper binds easily before coming into action. With Aqua-Hort® a regulated supply of copper ions is achieved at the moment of watering. The amount released (0.0 to 5.0 ppm) is within normal fertilizer standards.

The ions in the water are charged particles with hydrate layers around them. Due to the electromagnetic treatment with dynamic electro magnetic pulses the hydrate layers are removed, and the ions will, therefore, obtain an easier passage into the plants.

Aqua-Hort® reduces the usage of fungus chemicals, which means positive economical consequences and also means acieving points in the MPS system.

What is Aqua-Hort® technically speaking?

The Aqua-Hort® system consists of: a Control Box, standard 25 amp, an electromagnetic treatment pipe and 4 set of electrodes, 20 mm thick and 1,5 m long, for release of copper. A flow meter is part of the system to automatically adjust variations in flow. The whole system is built upon a stand of stainless steel. Treatment is made during watering. Aqua-Hort® is normally installed down-stream the fertilizer mixer. The nutrition water is led through the electrode pipes, then through the electromagnetic pipe and finally to the plants. The control box receives a start signal from the flowmeter. It runs on 1 x 110-230 Volt. 50/60 hz. The amperes released are a product of the water flow, the Cu set point and a constant factor ($m^3/h \times ppm \text{ Cu} \times 0,8$).

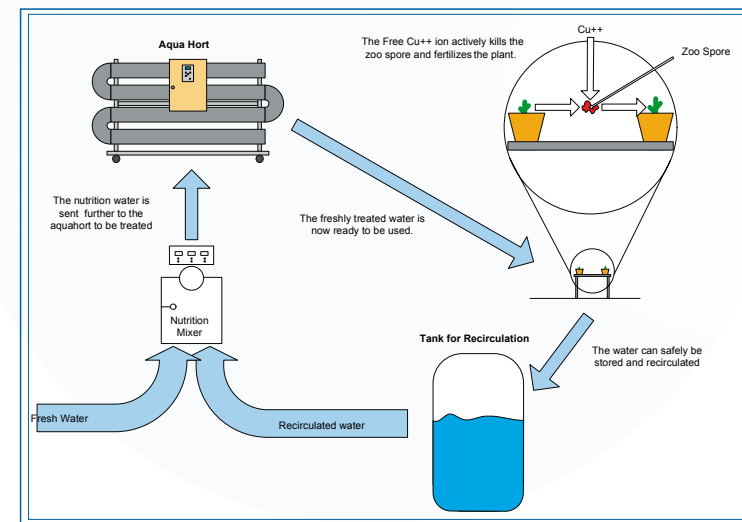


Tank model



Boat model

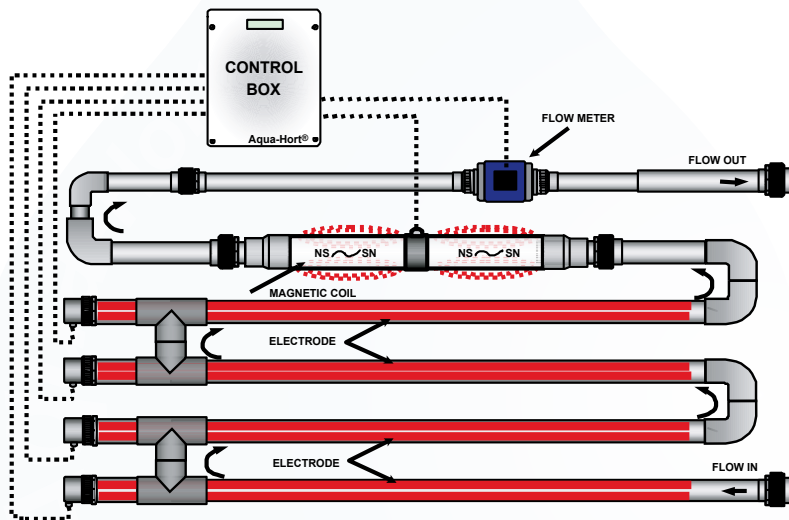
Functional Diagram Of The Aqua-Hort® System



Aqua-Hort® Types

Type	Pipes	Dimension	m3/h	Amp.
Aqua-Hort® Mini	63 mm	120*60*60	5	3,5
Aqua-Hort® 75	75 mm	120*110*60	10	25
Aqua-Hort® 90	90 mm	170*140*60	30	25-50
Aqua-Hort® tank	400 mm	134*170*56	10-200	25-300
Aqua-Hort® boat	325 mm	270*200*60	10-300	25-400

Technical Aspects



Sales and support:

One year guarantee is granted. Aqua-Hort® is internationally protected by patent.

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Aqua-Hort®

PREVENTS
Fungus

KILLS

Pythium - Phytophthora
Ramorum - Clavibacteria
Xanthomonas - Agrobacteria
Ralstonia - Erwinia
Chalara

Whiter and stronger roots

Better plants

Lower costs

Improves the Environment

