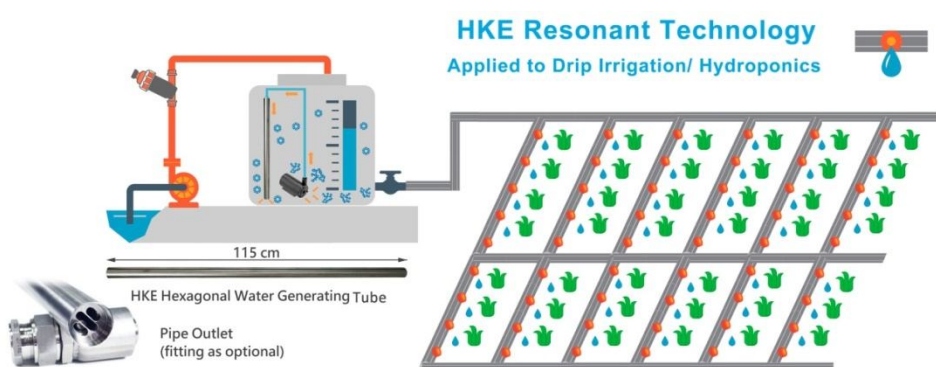


# HKE Hexagonal Water Generating Tube for Drip Irrigation/ Hydroponic



There is a big shortfall between the amount of food we produce today and the amount needed to feed everyone in 2050. There will be nearly 10 billion people on Earth by 2050 and 20% less arable land per person to grow enough human daily caloric needs. Include increasing water scarcity, and it's clear why we need a way to increase agricultural productivity and resource efficiency.

Drip Irrigation is the most efficient water and nutrient delivery system for growing crops. It delivers water and nutrients directly to the plant's root zone, in the right amounts, at the right time, so each plant gets exactly what it needs, when it needs it, to grow optimally. It enables farmers to produce higher yields while saving on the water as well as fertilizers, and energy.

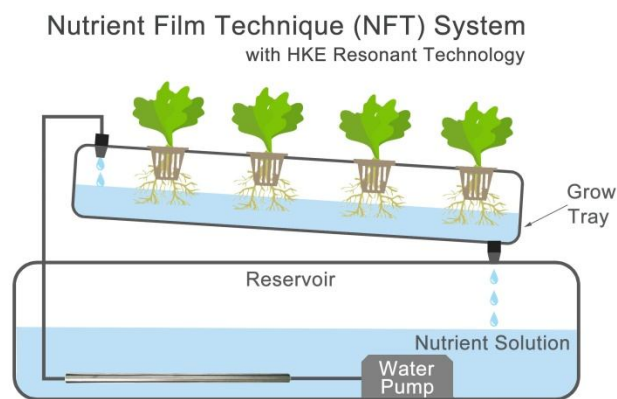


## How to use

The irrigation water stored in the stainless steel water tank is injected into the tube through the pump. Within 2 hours of circulating resonance (10 tons), the water in entire stainless steel tank will become hexagonal ring-like cluster water with higher proportion.

Hexagonal water is very suitable for drip irrigation and hydroponic agriculture because it has the same energy and vitality as melted snow water, the highest concentration of natural Hexagonal water known. In one test, melted snow water was used to sprout wheat. Results showed that melted snow water was significantly more efficient at activating the enzyme release during sprouting. The best water recognized in the world is snowmelt in places like the Alps or the Caucasus, which often flows down the mountain full of vitality and has been shown to work well for all animals and plants. Unfortunately, most arable farmland is not in areas with this structured and energy-rich water. Most agricultural irrigation water comes from polluted rivers, streams, etc. These waters contain a lot of nitrogen, phosphorus and organic matter, which will inhibit the ability of water to form these hexagonal structures.

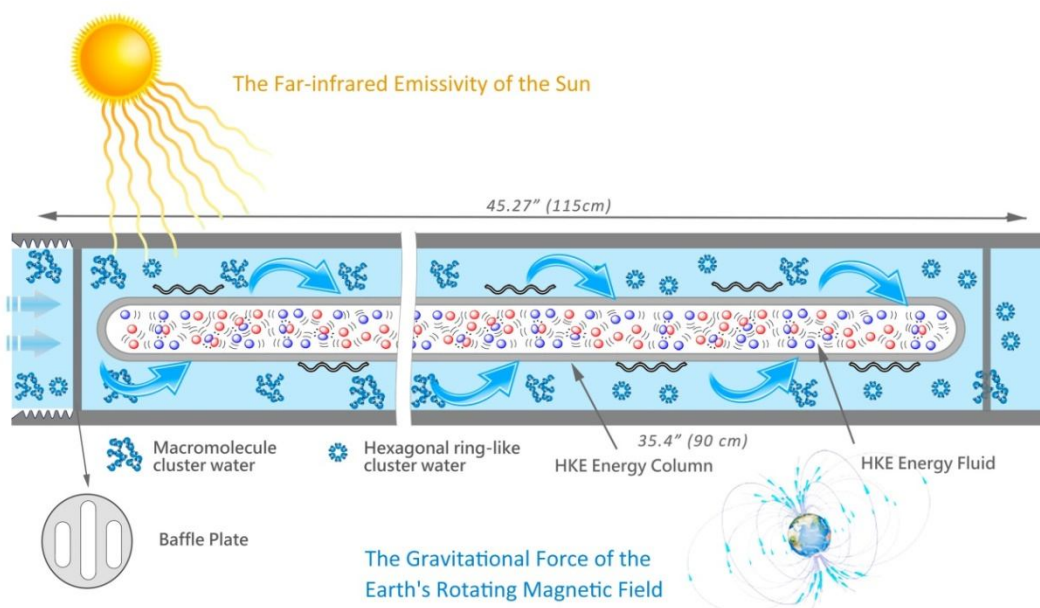
Hexagonal water can be more effective for hydroponic cultivation because hydroponic is a method of growing plants without soil by using the mineral nutrient solution in a water solvent. Water and oxygen play important roles in hydroponics and plant health. Through the HKE hexagonal water generating tube, it cracks macromolecule water to the small molecule. The water has stronger penetration and higher dissolved oxygen. It is helpful for plants up taking of nutrients by the roots, allowing for better hydration for plants when there is more oxygen in the water.



## HKE Resonant Technology in Hexagonal Water Generating Tube

Through the special design of the water inlet (baffle plate), the large amount of water can generate Vortex flow to quickly comprehensive resonance of the water. The built-in movable energy column is impacted by a large amount of water to simulate the natural disturbance of water to continuously collide with streams and stones which break the hydrogen bonds of the water.

### Working Principle



Furthermore, the energy column, full of energy fluid inside is non-magnetized and non-wave energy, which can effectively receive the far-infrared emissivity of the sun and the gravitational force of the earth's rotating magnetic field. Under the influence of spontaneous rotation, physical resonance occurs so that the water molecule clusters are effectively cracked down into small molecular clusters, which is better than that of longevity villages around the world. The NMR half-width average data of longevity village water is 90Hz.

## HKE Resonant Technology and Competitive Advantage

The energy fluid in the energy column effectively receives the far-infrared emissivity from the sun and the gravitational force of the earth's rotating magnetic field, and generates physical resonance under the influence of spontaneous rotation. Under the action of this resonance, water molecules are crack down into small molecules, the main competitive advantages:

- No need to be powered, heated, condensed, gasified or added any additives during the whole process of generating hexagonal water.
- The physical resonance effect of the hexagonal water generating tube for agricultural irrigation is more than 10 years.
- The hexagonal water produced is long-lasting and can last for more than 72 hours.
- The water's NMR half-width is less than 80Hz, which is better than that of longevity villages around the world. (The NMR half-width average data of longevity village water is 90Hz).
- Passed SGS non-radioactive contamination test.

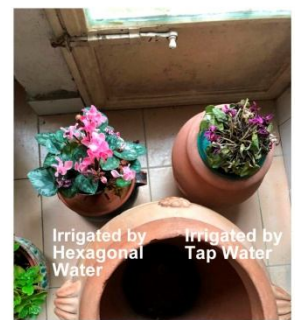
## The Advantages of Using Hexagonal water for Agricultural Irrigation

- The hexagonal water has high penetration, high dissolved oxygen, and strong energy, making water more absorbent Receptivity, stronger penetration, and higher dissolved oxygen.
- The small water clusters are recognized by cells as "bio-friendly" because of their hexagonal structure and easy access to the channels of plant cell membranes.
- Provides maximum hydration to plants with less water.
- The small water molecule clusters and high dissolved oxygen can achieve a bacteriostatic effect and reduce crop diseases and insect pests.
- Maximize soil health (reduce soil salinity levels).
- Crop yields increased.

The indoor flower pot experiment




Nov. 28th 2022



Dec. 12th 2022

## Mechanical Specification

Material	316L Stainless steel, Medical grade			
Flow Rate	LPM	1.5 Seconds	44 L/min.	
Tube Length	45.27"/ 1150 mm			
Diameter (Outer)/ (Inner)	1.65"/ 42mm	1.5"/ 38.6 mm (1.2" female thread)		
Weight	131.6 Oz / 3.7 kgs (N. W.)			
Half-life Period	10 years			
				Fitting as optional

