

## HKE Hexagonal Water Generating Tube for Poultry Drinking Water

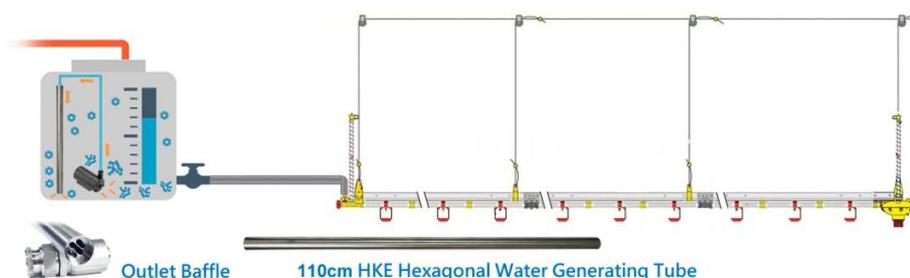
Poultry farming is one of the agricultural activities that involves raising domesticated birds such as chickens, turkeys, ducks, geese, and other species for household and commercial purposes. Poultry farming provides us with eggs, meat, and feathers. However, the quality of bird development varies greatly depending on the type of product produced, which is influenced by other factors such as the type of feed, the environment surrounding the birds, and the quality of the water they consume. In excellent poultry farming, one of the most critical factors is the quality and quantity of water used.



Water is an essential but often overlooked nutrient for poultry. It is needed for regulating body temperature, metabolism, nutrient transport, joint and organ lubrication, and more. Therefore, the quality of drinking water is crucial in maintaining the health of poultry and livestock.

*“Water is a critical nutrient that receives little attention until a problem arises. Not only should producers make an effort to provide water in adequate quantity, they should also know what is in the water to be used in evaporative cooling systems and consumed by the birds.” - By Brian D. Fairchild and Casey W. Ritz, Extension Poultry Scientists, The University of Georgia*

### HKE Physical Resonance Technology Applied to Poultry Drinking Water



#### How to use

The poultry drinking 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 poultry drinking water because it has the same energy and vitality as melted snow water from the Alps or the Caucasus, the highest concentration of natural hexagonal water known. The water molecules treated by an HKE Hexagonal Water Generating Tube are cracked into very small water molecule clusters. Each molecule cluster is made up of an average of six symmetrically organized molecules, also recognized by cells as "bio-friendly".

The water's NMR half-width is less than 70Hz. The HKE hexagonal water for poultry drinking water has the following superior characteristics:

## High Dissolved Oxygen

The physically dissolved oxygen is 5-8ppm/molecular group, which can be regarded as the real high dissolved oxygen small molecule water. It can suppress anaerobic bacteria like coliform bacteria and anaerobic viruses to survive in the water. This can reduce the growth of microorganisms and the formation of biofilms. (Biofilms can obstruct the use of nipple drinkers and promote the reproduction of pathogens.)



## Low Isobaric Pressure (High Penetration)

The animal cell membrane is very tight and protective. For water to freely shuttle through the cell membrane, the isobaric pressure must be lower than that of the cell membrane, so that it can help transport nutrients and eliminate waste and toxins.

## Strong Kinetic Energy

It can quickly reach the nucleus through the cell membrane and help the information transfer and communicate within cells. It can also promote cell activation and proliferation, and accelerate metabolism.

## Long-lasting Type

Water treated with HKE physical resonance can continue to resonate even when stored in a stainless steel water tank (only in stainless steel tank). Several experiments have shown that the hexagonal water produced can last for more than 72 hours (with a half-width value NMR remaining below 70hz).

## The Benefits of Drinking Hexagonal Water for Poultry

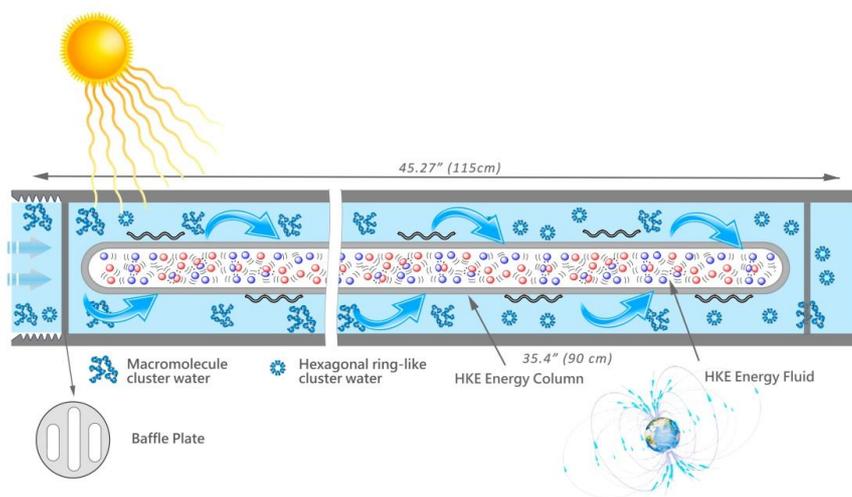
- Better hydration, reduced water consumption.
- Reduce of common diseases and mortality rate.
- The better metabolization of feeds with its conversion into meat.
- By using HKE hexagonal water with evaporative cooling pads or misting systems to reduce ambient air temperature, optimizing facility wash down and sanitation functions.
- Egg quality, quantity and feather quality are improved.
- Higher efficiency in poultry waste treatment; waste converts in to bio-fertilizer; smell reduction in manure.
- Less use of antibiotics.



## HKE Resonant Technology in Hexagonal Water Generating Tube

The body of the hexagonal water generation tube and the energy column are made of stainless steel 316L. 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.

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



Under the influence of spontaneous rotation, physical resonance occurs so that the water molecule clusters are effectively cracked down into small molecular clusters.

## The Main Competitive Advantages of HKE Resonance Technology

- 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 poultry drinking water 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 70Hz, 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.

## Mechanical Specification

Material	316L Stainless steel, Medical grade		 <p>Fitting as optional</p>
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.)		
Recommended accessory references	Water pump, PVC pipe fittings, one end with 1.2" external thread (for connecting to HKE Tube), and the other end connects to the water pump		

