

# HKE Spirits Maturation Accelerator



Distiller & Condenser not included for demo only

The aging process is vital to many styles of liquor as it gives them the color and flavor we expect. The goal of maturation is to remove harsh flavors from the raw alcohol while adding distinct flavor characteristics found in the barrel's wood, often made of oak.

The normal process of making spirits requires the distiller to age newly made spirits, Whisky for example, typically 3 years in oak barrels prior to bottling. Nevertheless, protracted maturation cycles may cause loss of time and money. Therefore, more and more distillers are investing in new technology for accelerating spirits aging process so that spirits may be

placed on the market more quickly. Nowadays, gamma irradiation, ultrasonic waves, AC electric field and micro-oxygenation are the new techniques for spirits aging. Those technologies are required professional knowledge and extra power.

## New Technology for Enhancing Spirits Quality and Accelerating Spirits Aging Process in few Days

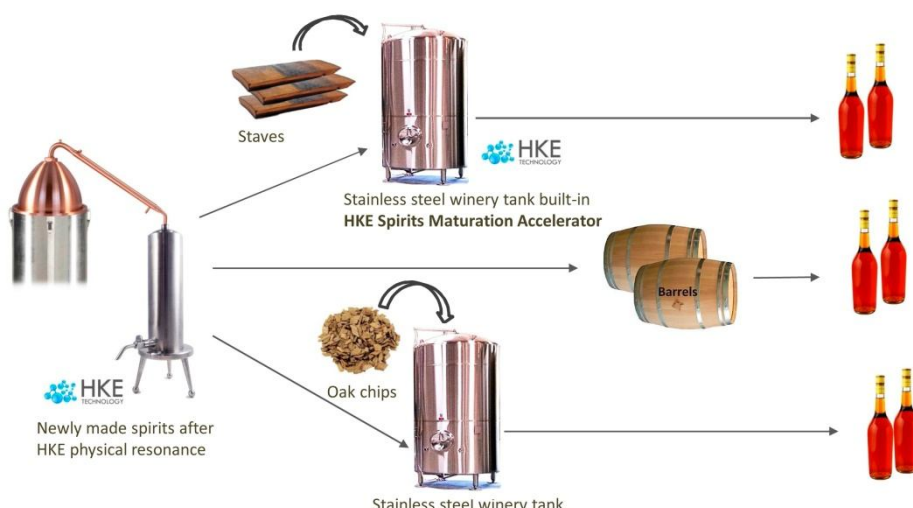
Blasting spirits with HKE Spirits Maturation Accelerator has been shown to speed up the aging process of spirits and accelerate the formation of certain esters in few days that give spirits their distinctive tastes. The main body and seamless coiled pipe of the HKE Spirits Maturation Accelerator are made by stainless steel 316L, medical grad. The length of the seamless coiled pipe is 6 meters travel. Between the inner body and seamless coiled pipe are full of HKE energy fluid. When the concentrated liquid from the condenser is run through 6 meters coiled pipe, the macromolecule cluster liquid will be cracked to a small molecule cluster liquid. **The smaller the liquid molecule cluster is, the higher the hydrogen bond energy contained in the liquid molecule will be.**

### How it Works

The energy fluid is made by rare elementary materials which contain basic elements, protons, and electrons. The energy of protons comes from the far-infrared emissivity of the sun, and the electrons are affected by the gravity of the earth's rotating magnetic field. After the two collide, they spontaneously rotate to generate resonance energy. The resonance energy can be considered as a kind of catalytic engine to accelerate the effect of aging. The ethanol will be accelerated free from congeners, making the spirits, liquor, or wine more aromatic, smoother, and aged taste.



## Traditional and Nontraditional Maturation Techniques Can Mutually Works



Traditional and nontraditional maturation techniques needn't be mutually exclusive. More and more distillers combine traditional barrel aging with a variety of new techniques designed to accelerate maturation of the finished spirits. The newly made spirits after HKE physical resonance can quickly have chemical reaction such as isopropanol react with fatty acids to form ester molecules, which impart many of the classic whisky flavours, thanks to its high penetration and strong kinetic energy.

### What are the Benefits?

- HKE technology is an accelerated physical maturation method. No need to be powered, heated, condensed, gasified or added any additives during the accelerated aging process.
- Accelerate aging time to revenues
- This aging process will continue even after bottling
- Thanks to low isobaric and strong penetration, the spirits after HKE accelerated maturation technology will have a faster metabolism and less hangover.

### Mechanical Specification

Material	316L Stainless steel, Medical grade
Coiled Pipe	6M seamless coiled pipe, $\varnothing$ 0.5" , 316L
Maximum Flow Rate	1800ml/minute
Inner Pipe Capacity	400ml
Initial Flow Rate	3 seconds
Height (including feet)	530 mm
Diameter (Outer)	102 mm
Weight	13.6 kgs (N.W.); 14.5 Kgs (G.W.)
Half-life Period	10 years
SGS Non-Radioactive Test	Compliant with Non-Radioactive Contamination at International level (Report No. KK-19-07054)
Package (Box)	520 (L) x 210 (D) x 340 (H) mm

