



User Manual

entrOpy
Wave It. Healthier You.



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Welcome



Entropy provides a unique drinking experience that is unlike any other. Born from an idea of using our industry-proven Pulsating Capacitive Field (PCF) Green Technology for industrial F&B application, it has become a breakthrough product for everyday users, that is able to antioxidantize, energize, promote fat burn metabolism, reduce the toxic health effect of alcohol and enhance the taste of alcoholic and non-alcoholic beverages.

Antioxidant is well-known for supporting our body immune system. However, all alcoholic drinks and most beverages are oxidizing in nature. Entropy reduces the oxidizing effect of these drinks including liquor and treat them to become antioxidant drinks without any chemical means. Entropy boosts the antioxidant 'bioavailability' and amplifies the benefits of antioxidant contents in drinks such as wines, tea, coffee, etc.

Entropy also reduces the harmful health effect of alcohol by quickening the liver enzyme conversion of alcohol to non-toxic acetic acid (vinegar). Entropy offers a healthier way to drink alcoholic drinks.

Besides the health benefits, Entropy improves the taste of beverages without the use of chemicals or additives. You can enjoy a smoother and refined whiskey, sweeten your ice lemon tea, or reduce the astringency of your coffee at the touch of a button.

Welcome to the world of Entropy!

Safety First



- Entropy is designed to be used only for drinks as specified in the manual. DO NOT use this device to treat other liquids, drinks or chemicals not specified in this manual. Consult your local authorized representative when in doubt. Alternatively, enquire directly to info@ecospec.com.
- Only use the specified main power supply voltage of 230V or 110V AC.
- Cleaning and maintenance shall not be done by children without supervision.
- Only use dry soft cloth to clean the Touchscreen Display. DO NOT use any liquid to wipe the surface.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- DO NOT allow children to play with the appliance.
- DO NOT attempt to open the device for trouble shooting. Send to an authorized agent for check and repair if needed.
- DO NOT use water jet or soak the machine in water for cleaning.

Product Specification



Model	Entropy VIVA 5S
Product Description	Beverage Energizer Anti-Oxidizer Taste Enhancer
Input Voltage/Frequency	100 - 240 VAC / 50 - 60 Hz
Rated and Max. Power	400 W/ 500 W
Probe Emitter Coating Material	Platinum
Rated Probe Voltage	Maximum 48Vrms.
Probe Treatment Liquid Conductivity	4000 μ s/cm Max.
Body Material	Aluminum
Overall Dimension	21.2 cm(W) x 34.7 cm(D) x 38.5 cm(H)
Total Weight	7 kg

Product Features



7" Capacitive Touchscreen Display

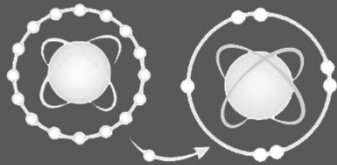
Capacitive Touch Button (System ON/OFF)

Rotatable & Slidable Treatment Probe



Power Cord & Plugin Socket

Antioxidizing Treatment



Antioxidizing is one of the most beneficial health functions of Entropy. It converts oxidizing beverages into antioxidantizing.

ORP (Oxidization Reduction Potential) meter shows whether a drink is oxidizing or antioxidantizing. Positive mV (milli volt) reading shown on the ORP meter indicates the drink is oxidizing when the meter probe is immersed in the drink. Conversely, a negative mV reading indicates the drink is antioxidantizing.

Many different types of ORP meters can be easily purchased online and price varies greatly from lab grade to home used. However, all ORP meter probes need frequent maintenance, cleaning, calibration to get the correct ORP reading. The life span of the probe is short, typically about few months only.

To determine whether your drink is indeed antioxidantizing, you may check the drink ORP before and after Entropy treatment. The following are some of the typical drinks' ORP before and after Entropy treatment.

In the process of Entropy antioxidantizing treatment, it also enhances the taste of drinks, especially the alcoholic drinks.

Type of drinks	ORP (mV) Before Treatment	ORP (mV) After Treatment
Tap or Mineral Water	+250 ~ +450	< -100
RO or Distilled Water	+250 ~ +450	< -100
Black Coffee	+50 ~ +200	< -150
Pure Tea	+ 50 ~ +200	< -150
Fruit Juice	+100 ~ +250	< -150
Wine	+150 ~ +250	< -150
Liquor	+250 ~ +400	< -100



Treatment Procedure

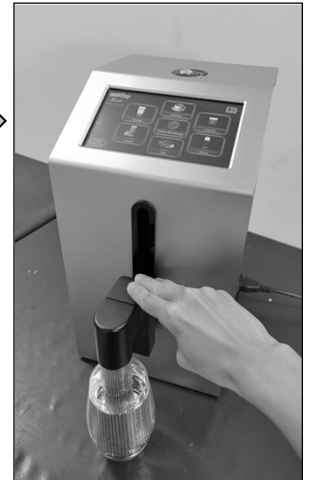
Probe



① Swivel the probe up.

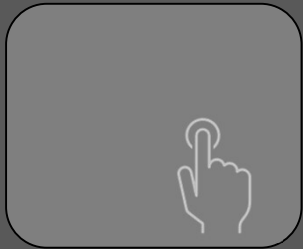


② Move the probe down.

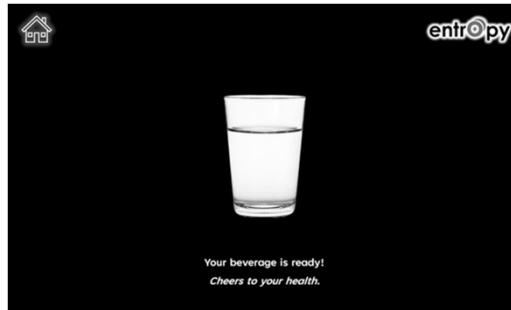


Treatment Procedure

Display



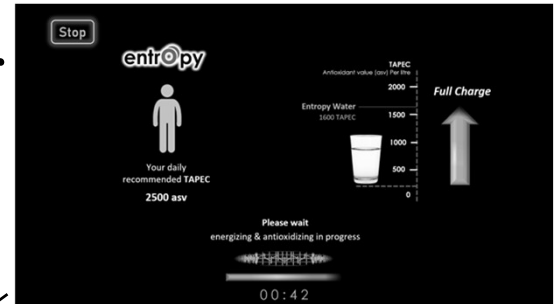
② Select Suitable Volume or Preferable Timing.



④ Treatment is Done.



① Select Beverage.



③ Treatment in Progress.

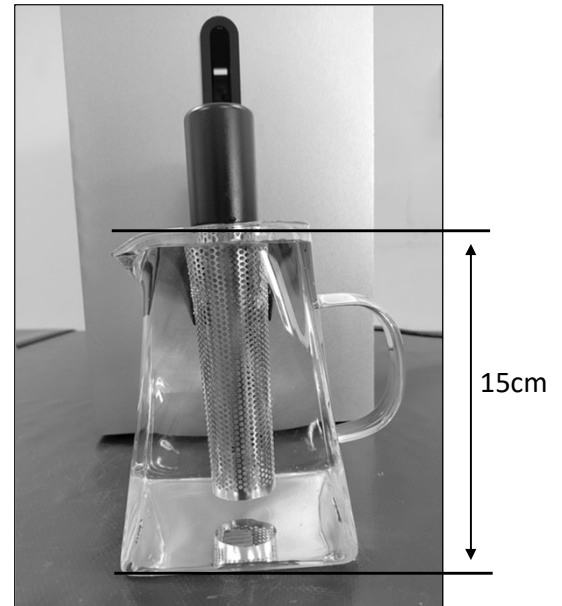
Cleaning Procedure

Probe



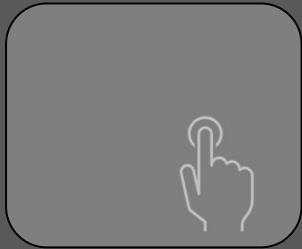
- ① Prepare a glass with 15cm height and fill up with water.

- ② Submerge the probe into water.



Cleaning Procedure

Display



Remarks

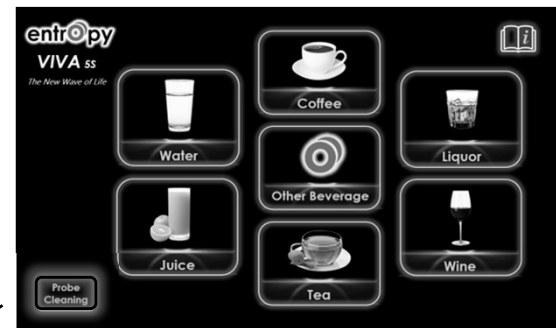
Light Residue – 2 minutes Probe Cleaning.
Medium Residue – 5 minutes Probe Cleaning.
Heavy Residue – 10 minutes Probe Cleaning.



② Select Cleaning Level.



④ Probe Cleaning is Done.



① Select Probe Cleaning.



③ Probe Cleaning in Progress.

Disclaimer

Entropy is not a medical device. Entropy is a beverage antioxidizing and molecular bonds energizing device. It does not diagnose, treat, or cure any disease. Considering this, Entropy is not intended as a substitute for medicines, medical treatment, professional advice or diagnosis. ***No content on this manual, should ever be used as a substitute for direct medical advice from your doctor or other qualified clinician.***

The benefits of antioxidant are based on information from paper/articles published by nutritionists and medical professionals. Entropy delivers only the antioxidizing property of beverages after treatment.

The activated energy level of Entropy pulsed field treated beverages is based on the increase in molecular bond vibrational energy changes as detected in FTIR absorbance peaks performed in lab. Health related benefits of using pulsed field relating to fat burn metabolism and skin care are based on lumen CO₂ meter detection and medical research results/papers published by medicals professionals.

The accelerated alcohol to acetic acid conversion by Entropy treatment is based on lab comparison test result on fermentation of alcohol to acetic acid simulation test using treated and untreated alcoholic drinks.

If you have any existing medical condition or if you are undergoing any medical treatment, please consult your doctor before consuming Entropy treated beverages.

Disclaimer



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www.ecospec.com

Another Singapore Invention