

The SUNSHINER®

Natural Distillation System

Low Temperature Distillation at Atmospheric Pressure



“Throughout history, distillation has been the most widespread separation method. Despite its simplicity and flexibility, distillation still remains very energy inefficient. Novel distillation concepts based on process intensification, can deliver major benefits, not just in terms of significantly lower energy use, but also in reducing capital investment and improving eco-efficiency.... While very likely to remain the separation technology of choice for the next decades, there is no doubt that distillation technology needs to make radical changes in order to meet the demands of the energy-conscious modern society. Distillation technology is still young and full of breakthrough opportunities in the development of a more energy efficient and sustainable chemical process industry.” © 2013 Society of Chemical Industry Dr. Anton A. Kiss

The Sunshiner: An Evolution in Distillation Technology

Providing the benefits of vacuum distillation without the vacuum.

- Low temperature distillation (125 - 150°F)
- Atmospheric pressure
- Multiple energy inputs including:
 - Traditional utility power (electric or gas)
 - Onsite Solar System
 - Low Grade waste heat

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The patented Sunshiner natural distillation system is an evolutionary low temperature separation system based on the natural hydrologic cycle. In the same way that mother nature makes rain, the Sunshiner evaporates fermented mash using solar thermal energy or other low grade heat sources to create clouds of alcohol. The Sunshiner then cools the cloud creating a rain storm of high quality spirits.

Sunshiner Benefits

- Patented Technology
- Reduced energy costs
- Smaller floor footprint
- Non destruction of temperature sensitive flavonoids
- Solar powered and carbon monitoring systems
- Nitrogen atmosphere (reduces oxidation)
- Safe to operate. (no boiling or vacuum required)
- Increased distiller creativity
- Affiliate leasing program (energy included)



Sunshiner Specifications

Size: 4'X4'X14'
Input Temperature: 145-165°F
Operating Temp: 125-155°F
Operating Pressure: Atmospheric

Power Requirements:
Electric: 1.5 KwH/hr
Thermal 1.2 Therms/hr
Alcohol Output: 3-5 gph

For information re: Contract distilling services or becoming a Sunshiner Affiliate Distiller contact info@Burnertechnology.net