

Hydro Dynamics, Inc.

Harnessing the Power of Cavitation



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Contact: Doug Mancosky

dmancosky@hydrodynamics.com

706-234-4111 x116

www.hydrodynamics.com

ApoWave Cavitation Processed Beer Wins Silver Medal in Inaugural Savannah ‘Merica’s Mug Competition

Savannah, GA – A beer processed with the [ApoWave© hop extraction technology](#) won the silver medal in the [Savannah Brewers League](#) inaugural ‘Merica’s Mug Competition in the IPA category. Mr. Santiago Gomez of Apotek Solutions LLC (Apotek) personally brewed the beer with the assistance of Aaron Rzeznik from [Drafting Table Brewing Company](#). The beer was named HopWave and utilized the ApoWave© technology powered the ShockWave Power™ Reactor (SPR™) to uniquely flavor the beer. This marks the first time an ApoWave© processed beer has been entered in competition.

The ApoWave© technology is based on the SPR™ Cavitation Technology by Hydro Dynamics, Inc. (HDI). The SPR™ harnesses the normally destructive power of cavitation and controls it so its pressure fluctuations can be used for increased extraction. With the proliferation of microbreweries the demand for hops and the prices have increased. When the SPR™ technology is applied to the different processes within the brew-house, combined with expertise in hop utilization, it allows brewing customers to produce bitter beers with 50% to 90% less bittering hops and 50% to 75% less aroma hops for dry hopping. HDI has partnered with Apotek to market our SPR™ technology to the hops industry.

About Hydro Dynamics

Hydro Dynamics, Inc. is located in Rome, Georgia and is the developer and manufacturer of the cavitation based ShockWave Power™ Reactor (SPR™). The SPR™ equipment uses the physical phenomenon of cavitation, normally known as destructive force, and harnesses it to solve critical industrial mixing, extraction and heating problems. The technology The SPR™ can now be found on four continents in applications ranging from biodiesel production to hops extraction for beer. Learn more at: www.hydrodynamics.com.

About Apotek

Apotek Solutions LLC was formed by a group of Engineers and process experts with more than 50 years of combined experience in the food and beverage industry. Apotek specializes in applying new and unique technologies to current process systems for cost reduction, product improvements or development of products that were not previously available due to process limitations. From improvements to existing product lines to complete turn key operations, we have installations throughout the United States, as well

8 Redmond Court, Rome, Georgia 30165 · 706-234-4111
info-hdi@hydrodynamics.com · www.hydrodynamics.com

as countries such as Brazil, Chile, Colombia, UK, Turkey, Italy, Hungary, Switzerland, Finland, Saudi Arabia, Honk Kong, Thailand and Taiwan among others. Learn more at: <http://www.apoteksolutions.com>.