

Hydro Dynamics, Inc.

Harnessing the Power of Cavitation



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Hydro Dynamics to Promote ShockWave Power Biodiesel Reactor Technology at Biodiesel Expo in Fort Worth, Texas on January 20-21, 2015

Rome, Georgia- Hydro Dynamics, Inc. (www.hydrodynamics.com), makers of innovative cavitation based ShockWave Power Biodiesel Reactor (SPR) will be exhibiting at the Biodiesel Expo in Fort Worth, Texas in booth #803 starting January 20th. The Biodiesel Expo will run February 19-21, 2015 and more information can be found on their website <http://www.biodieselconference.org>.

Hydro Dynamics, Inc. offers biodiesel reactors for new plants, retrofits for existing plants or complete plants along with its partner World Energy (www.worldenergy.net). Of special interest this year will be “bolt-on” biodiesel for ethanol plants. The majority of ethanol plants already recover their corn oil and much of this ends up converted to biodiesel. By integrating a biodiesel plant directly into the ethanol plant a producer can realize many competitive advantages due to reduced transportation cost, shared infrastructure and the ability to merge coproduct streams.

Harnessing the power of cavitation, the ShockWave Power Biodiesel Reactor drives the transesterification reaction to completion in seconds. In true continuous or batch systems, the SPR gives biodiesel producers greater feedstock flexibility and the power to achieve consistently superior quality. The SPR can improve processes to reduce monoglycerides and reduce catalyst utilization. First commercialized for use in biodiesel applications at World Energy’s US Biofuels production facility in Rome, Georgia, in 2005 the ShockWave Power technology is now in widespread use throughout the biodiesel industry. With over 400 million gallons of annual reactor capacity already installed, the ShockWave Power Reactor is setting a new standard for efficient biodiesel production.

About Hydro Dynamics

Hydro Dynamics is the developer of a patented process intensification technology enabling customers to solve critical mixing and heating problems. Reactors are operating on four continents in applications ranging from increasing biofuel production yields to more efficient mixing of chemical substrates. The ShockWave Power Reactor allows customers to significantly decrease operational and capital costs and increase profits while reducing the environmental impact of many processes. Learn more at www.hydrodynamics.com.