

Hydro Dynamics, Inc.



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For Immediate Release

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MEMPHIS BIOFUELS LLC RUNS ON SHOCKWAVE POWER™

One Of North America's Largest Biodiesel Producers Relies On ShockWave Power™ Reactors supplied by Hydro Dynamics, Inc.

Rome, Georgia- Hydro Dynamics, Inc. (HDI) is pleased to announce that Memphis Biofuels, LLC is using ShockWave Power™ Reactors from HDI to produce all of its biodiesel. Memphis Biofuels, LLC, located in Memphis, Tennessee, recently opened one of the largest biodiesel production facilities in North America. At the heart of the 50 million gallon per year capacity facility is a reactor system driven by ShockWave Power™ Reactors.

Harnessing the power of cavitation, the ShockWave Power™ Reactor (SPR) uses “controlled cavitation” to intensify the mass transfer rates of chemical reactions in a variety of applications. When applied to Biodiesel production, the ShockWave Power™ Reactor drives the transesterification reaction to completion in seconds.

Memphis Biofuels is now the second Biodiesel production facility to rely on SPR technology for its production process. US Biofuels, Inc, in Rome, Georgia, was the first location to employ the SPR in its batch process for biodiesel production, while Memphis Biofuels employs the SPR in a continuous process. Whether in a continuous or batch system, the ShockWave Power™ Reactor gives the biodiesel producer greater feedstock flexibility and the power to achieve consistently superior quality reactions.

“Memphis Biofuels has had outstanding performance using the SPR for our biodiesel process.” said Ken Arnold, President and CEO of Memphis Biofuels LLC. “We have had excellent support from Hydrodynamics and highly recommend them and the SPR.”

The ShockWave Power™ Reactor (SPR) is manufactured by Hydro Dynamics, Inc., a world leader in the application of “controlled cavitation” technology for mass transfer rate enhancement, process intensification reactions, or uniform, scale-free heating of process fluids. Hydro Dynamics offers reactor systems to the biodiesel industry in cooperation with Advanced Biofuel Solutions, also headquartered in Rome, Georgia. For more information on the application of ShockWave Power™ Reactor technology to your process, visit www.hydrodynamics.com.

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