



Advanced Biofuel Solutions

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BIODIESEL PRODUCERS LOOKING TO THE SHOCKWAVE POWER™ REACTOR TO REDUCE MONOGLYCERIDE LEVELS

Monoglyceride Levels Becoming Issue For The Biodiesel Industry

Rome, Georgia- Advanced Biofuel Solutions announced today that more and more biodiesel producers are looking to the ShockWave Power™ Reactor to address their challenges in achieving low monoglyceride levels. Although there currently is no monoglyceride standard for biodiesel in the United States, discussions have been underway for establishing one due to likely links between monoglyceride content and biodiesel performance issues. Some large fuel distributors are even now requiring that all biodiesel they purchase meet or exceed company specified monoglyceride standards. As a result, biodiesel producers are looking for ways to retrofit their existing plants to help meet these standards.

The ShockWave Power™ Reactor technology harnesses the power of cavitation to drive the transesterification reaction for the production of biodiesel. Biodiesel producers using the ShockWave Power™ Reactor have demonstrated the ability to achieve low monoglyceride levels in biodiesel produced from a variety of feedstocks. ShockWave Power™ Reactors can be used in continuous, batch or semi-batch processes to produce biodiesel from a variety of different feedstocks.

The ShockWave Power™ Reactor (SPR) is manufactured by Hydro Dynamics, Inc., a world leader in process intensification and heating applications. In cooperation with U.S. Biofuels, Inc., a nationally respected biodiesel producer, and Advanced Biofuel Solutions, Hydro Dynamics offers reactor systems to the biodiesel industry for every size of plant and the expertise in biodiesel processing necessary to implement their reactor solutions in any new or existing biodiesel production facility.

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