

# **Hydro Dynamics, Inc.**

Harnessing the Power of Cavitation



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For Immediate Release

## **ShockWave Power Reactor Cavitation Technology by Hydro Dynamics, Inc. Featured in Rotating Reactor Journal Article**

Hydro Dynamics, Inc. (HDI) of Rome, Georgia ([www.hydrodynamics.com](http://www.hydrodynamics.com)) announced today that its Shock Wave Power Reactor (SPR) cavitation technology was featured in an article related to rotating reactor in the Journal of Chemical Engineering Research and Design (<http://www.sciencedirect.com/science/article/pii/S0263876213002980>). The article was authored by Frans Visscher of Eindhoven University in the Netherlands who has a long history of chemical reactor research. The article features, “The current state-of-the-art in the field of rotating reactors.”

The article is meant to be an unbiased survey of the best available technology, done without propaganda or manufacturer input. Because of this it contains two small inaccuracies. First, the max flow 1.14 m<sup>3</sup>/hr quoted was that of our lab unit, but we make commercial devices as large as 450 m<sup>3</sup>/hr. Also, no special coatings are required because of the cavitation, it is truly controlled. This is especially evident with our recent inspection of an SPR running consistently for over a decade still on its original rotor.

HDI is honored to be mentioned in this article. The abstract and more information can be found at: <http://www.sciencedirect.com/science/article/pii/S0263876213002980>

### **About Hydro Dynamics**

Hydro Dynamics is the developer of a patented cavitation process intensification technology called the ShockWave Power Reactor (SPR), enabling customers to solve critical mixing and heating problems. Reactors are operating on four continents with well-known customers in applications as diverse as increasing biogas yields to mixing petroleum drilling mud to more efficient homogenization and pasteurization of liquid eggs. The ShockWave Power Reactor allows customers to significantly decrease costs and increase profits, often with environmental and safety benefits. Learn more at <http://www.hydrodynamics.com>.

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