

Hydro Dynamics, Inc.

Harnessing the Power of Cavitation



Hop the **a**powave



Better Hop Utilization and Flavor

50-90% Less Bittering Hops

50-75% Less Aroma Hops



www.apowave.com

The ApoWave technology is powered by the ShockWave Power™ Reactor cavitation technology by [Hydro Dynamics, Inc.](http://HydroDynamics.com) and marketed by [Apotek Solutions LLC](http://ApotekSolutions.com). The SPR™ harnesses the normally destructive power of cavitation and controls it so its pressure fluctuations can be used for increased hop flavor extraction.

With the proliferation of microbreweries the demand for hops and prices have increased. When the ApoWave technology is applied to the different brewing processes, combined with expertise in hop utilization, it allows brewers to produce bitter beers with:

- 50% to 90% less bittering hops and
- 50% to 75% less aroma hops for dry hopping

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