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Developing Solutions for a Sustainable Future



ULTRA-OXYGEN

MICRO and ULTRAFINE BUBBLE GENERATOR

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54: FLUID ENTRAINMENT APPARATUS, SYSTEM AND METHOD FOR GENERATING BUBBLES, INCLUDING MICRO AND ULTRAFINE BUBBLES, IN A LIQUID

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The present disclosure relates to a gas entrainment apparatus for generating bubbles of a gas in a liquid. The apparatus may comprise a mixing chamber defining an inlet for receiving the liquid under pressure from a liquid source. The inlet may be configured to generate a first liquid vortex moving in the mixing chamber in a first direction. The chamber may comprise a rebound formation configured to reverse the first direction of the first vortex to generate a second vortex travelling in an opposing second direction. The apparatus may comprise a gas inlet configured to admit the gas into the second vortex. The apparatus may further comprise an outlet configured to release a mixture of the liquid and bubbles to an exterior of the chamber. The present disclosure extends to a system and a method for generating bubbles of gas in a liquid.

