



PRESS RELEASE

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Puralytics Announces Shield 500 Advanced Water Purifier

Summary:

The Puralytics Shield 500 is the world's first water purification product designed to eliminate emerging contaminants. This easy-to-integrate component destroys problem organic compounds such as pesticides, herbicides, petrochemicals, and pharmaceuticals. Additional benefits include complete sterilization of pathogens and rapid removal of heavy metals. The Shield 500 also eliminates the environmental problems of existing processes, with 100% water recovery, no added chemicals, no cleaning or backflushing, and low energy use. This is all accomplished in a single, small unit using new photochemical technology.

May 3, 2010

Beaverton, Oregon, USA

Puralytics, an emerging leader in advanced water purification technology, announces the Shield 500. This compact, easy to integrate unit provides an effective barrier against the very difficult to remove organic contaminants that are increasingly appearing in municipal, surface, and groundwater. As reported by the N.Y. Times in their series "Toxic Waters"

(http://www.nytimes.com/2009/12/17/us/17water.html?_r=1), many pollutants are not able to be removed from municipal water supplies.

These include the more than 60,000 chemicals in use in the U.S., which are mostly new organic compounds developed in the last 50 years. The Shield 500 is the first product designed specifically for these emerging contaminants, and is simultaneously effective in treating the other health related toxins such as bacteria, viruses, and heavy metals.

The Shield 500 also eliminates or greatly reduces the environmental problems associated with existing water purification processes. There is 100% water efficiency, which means no waste water ever, including no cleaning or backflushing cycles. There are no chemicals to be added, stored, or monitored. The process actually destroys most contaminants, so there are no toxic filters or membranes requiring special disposal. And, the Shield 500 is very energy efficient.

The Shield 500 provides broad contaminant coverage for many applications including commercial and industrial point-of-use (POU), residential point-of-entry (POE), or waste/grey water systems. Each Shield 500 can treat 200 - 500 gallons per day, and can be used in parallel or series for higher flow rates, or easy system expansion. The total cost of ownership (COO) and cost of water is much lower than competing systems that have frequent maintenance, high consumable usage, and generate waste streams of water, resulting in a 9 month payback when compared to a similar-sized, multi-stage reverse osmosis system.

MORE



Shield 500



For more information on the Puralytics technology and products, please visit: <http://www.puralytics.com/html/home.php>. For pricing and availability, please email to info@puralytics.com or call +1 503 913-5194

About Puralytics

Puralytics is an early stage company in Beaverton, Oregon, which is developing photochemical water purification products designed for the emerging contaminants such as petrochemicals and pharmaceuticals, and also eliminate heavy metals like arsenic, lead, and mercury, and provide disinfection of bacteria, viruses, and other pathogens. Their products set new standards for sustainability and environmental protection. Puralytics was chosen by The Artemis Project as a 2009 Top 50 Global Water Technology Company competition winner, and selected as a finalist in the 2010 ImagineH₂O Prize.

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