

FOR IMMEDIATE RELEASE

MEURER RESEARCH, INC. UNVEILS MRI BIO-CEL® MBR

Ultra-Compact, Innovative Flexible Sheet Membrane Bio Reactor Delivers Superior Effluent Quality in Half the Space

MRI and Strategic Partner Microdyn Technologies Introduce Chemical-Free Process for Cleaning Bio-Cel® Submerged Membranes

GOLDEN, COLO—July 27, 2009— Water and wastewater treatment operators will get a glimpse of must-have technologies for wastewater treatment, as Meurer Research, Inc., an engineering and manufacturing company with over 50 patents and thousands of installations, in cooperation with its partner Microdyn Technologies, Inc. (Raleigh, NC), formally unveil the next great advancements in submerged membrane bioreactors at the October WEFTEC 2009 in Orlando, FL.

Meurer Research, Inc. (MRI) and Microdyn Technologies, Inc. will show the MRI Bio-Cel® MBR, the innovative, ultra-compact membrane bio reactor that delivers ultra-effective ultra-filtration, increased capacity, significantly higher effluent quality, and optimal flow rate, all in a 50% smaller footprint.

This optimized performance is made possible by MRI's innovative design incorporating large flexible flat sheet membranes patented by Microdyn-Nadir, GmbH. The membrane performance has been proven in hundreds of installations. Strengthened by the full sheet permeable bond, the membranes can be back-flushed without damage, unlike other flat sheet membranes. The pore size is .04 microns, making it a true ultra-filter, and it has high-packing-density properties.

In addition, a new, environmentally friendly cleaning process for the MRI Bio-Cel® MBR's submerged membranes will be introduced. The chemical-free, granular bead mechanical cleaning process, Bio-Cel® - MCP, is a huge improvement over chemical cleaning since the beads remove the fouling layer without decreasing permeability or putting chemicals into the effluent or the environment.

Bio-Cel® - MCP was developed by Microdyn-Nadir, GmbH, (Wiesbaden, Germany) and Darmstadt University of Technology. Dr. Stefan Krause of Microdyn-Nadir will present a technical paper on the new cleaning process at WEFTEC.

As the exclusive strategic partner with Microdyn Technologies, Inc, MRI is the sole U.S. provider of Bio-Cel® Systems to American municipal wastewater treatment operations.

"Today water and wastewater facilities face space constraints, increased demand, and more stringent regulations. We're elated to partner with Microdyn Technologies, Inc. and Microdyn-Nadir to bring forward these innovative advancements," said Lonnie Meurer, President, Meurer Research, Inc.

"When you compare this flat sheet MBR with hollow fiber and conventional rigid plate membranes, it is clear the MRI Bio-Cel® MBR delivers more. At a time when the demands on treatment facilities are so great, we are glad to have found a partner who shares our leading-edge approach, and to set a new standard for performance with this product," said Meurer.

Please visit Meurer Research, Inc. and Microdyn Technologies, Inc. at WEFTEC 2009, Booth 2987.

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Bio-Cel® is a registered trademark of Microdyn-Nadir GmbH.

About Meurer Research, Inc.

Meurer Research, Inc is an engineering and manufacturing company dedicated to providing sophisticated, simple solutions to the complex issues facing water treatment facilities worldwide. Founded in 1978, MRI has over 50 patents and thousands of installations. Continually innovating, MRI designs, manufactures, installs, and provides education and after-market customer service. MRI offers a range of products geared to optimize water and wastewater treatment facilities including the MRI Bio-Cel® MBR, Inclined Plate Settlers, Hoseless Cable-Vac™ and Ultra-Scraper Sludge Collectors, MRI Mix & Match Flocculation Systems™, Time Machine Pilot Systems, and Package Plants. MRI is located in Golden, CO. For more information, call 303.279.8431 or visit www.meurerresearch.com.

About Microdyn-Nadir & Microdyn Technologies, Inc.

Microdyn-Nadir, GmbH, a leading worldwide independent membrane and filter module producer, has developed and manufactured high-quality filtration and separation products for more than four decades. Headquartered in Wiesbaden, Germany, the company operates one of the largest flat sheet manufacturing facilities in the world, and is known for superior ultra-filtration membranes. With a focus on customer-specific solutions, Microdyn-Nadir has over 200 recipes for flat sheet membranes that have been successfully used in wastewater treatment and a variety of applications. Worldwide locations include Raleigh, NC, USA, (Microdyn Technologies, Inc.) and Xiamen, China (Microdyn-Nadir Chine Ltd.). For more information, call 919.341.4221 (USA) or 49.0.611.962.6001 (Germany) or visit www.microdyn-nadir.de.

Photos (2)

MRI Bio-Cel® MBR module: Jpeg file

Caption:

MRI Bio-Cel® MBR has a 50% smaller footprint and delivers high-quality effluent. The open module pictured shows flat sheet membranes. Meurer Research Inc. www.meurerresearch.com

Bio-Cel® - MCP: PDF file 'cassette with beads'

Caption:

New chemical-free cleaning enabled by Microdyn-Nadir's Bio-Cel® MCP. Granulate beads forced up the membrane sides remove fouling layers without decreasing permeability or degrading effluent quality. Meurer Research Inc. www.meurerresearch.com