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HTI BRANDS COMMERCIAL FORWARD OSMOSIS MEMBRANES

Hydration Technology Innovations (HTI) brands their new commercially manufactured OsMem™ family of Forward Osmosis membrane products for municipal and industrial customers

ALBANY, Ore./SCOTTSDALE, Ariz. (August 15, 2010) - Hydration Technology Innovations, LLC (HTI) today announced the launch of their branded OsMem™ family of high performance Forward Osmosis membranes and modules for municipal and industrial customers. HTI is the world's only commercial manufacturer of Forward Osmosis membranes, modules and systems.

HTI has, through its exclusive manufacture of unique proprietary membrane materials, made possible the capture and duplication of a natural occurring process in nature, forward osmosis, and turned it into a "Green" technology; a Green technology that is capable of solving many of the world's most difficult water filtration and recycling problems.

HTI supplies Forward Osmosis technology to customers within the industries of Oil & Gas Exploration, Algae Biofuels, Landfills, Chlor-Alkali, Food Processing, Methane Digesters, Nuclear Wastewater, Membrane Bio Reactors and as well as several other industries. The OsMem™ family of products includes all of HTI's proprietary Forward Osmosis membranes configured for various uses from Membrane Bioreactors to Oil and Gas Wastewater filtration. OsMem™ spiral wound membrane modules are available in standard module sizes ranging from 2.5" X 21" to 8.0" X 40". Custom sizes are available upon request. HTI's OsMem™ membrane is also available in unique flat sheet cartridge plate modules for very difficult waste streams.

"We are offering the range of modules in support of our customers growing need to treat difficult separation problems in the water and wastewater market sectors", said Mark Lambert, Corporate Development Director for HTI. "We are pleased to make available a standard product offering using traditional module sizes well known by the industry".

Specific membrane selection is based on application and water quality requirements. HTI's application engineers are available to assist with membrane selection, module design and system support for a wide variety of industries.

For assistance with membrane selection, design and support, please contact mlambert@htewater.com

For further information on HTI's Forward Osmosis Membranes and other filtration products, please visit www.HTIwater.com

About HTI's Forward Osmosis Technology

In state-of-the-art plant facilities located in Albany, Ore., HTI manufactures a proprietary Forward Osmosis membrane material that allows water to migrate through the membrane, powered only by a draw solution on the clean water side of the membrane, leaving behind virtually all contaminants.

Osmosis is a natural process where liquids seek equilibrium when separated by a membrane or the wall of a cell, similar to the way water moves from soil into the roots of a tree. In the Forward Osmosis process water molecules flow through HTI's membrane, but do so without the need for high pumping pressure found in many traditional filtration systems. Thus, Forward Osmosis filtration systems use very little energy, are constructed from relatively low cost materials and are capable of filtering highly contaminated dirty water, even those containing high solid concentrations, without plugging. For more information visit www.htewater.com.