



## NEWS RELEASE

### **HYFLUX TO LAUNCH NEW NSF 61 CERTIFIED KRISTAL® TRI-BORE MEMBRANE AT AQUATECH AMSTERDAM**

*Singapore, 11 October 2011* – Hyflux will launch under its award-winning Kristal® brand a new polymeric ultrafiltration membrane model that has been tested and certified by NSF International under the NSF Standard 61, the American national standard for drinking water products. Known as Kristal® 600ET3, this modified PES membrane product promises enhanced fibre strength and durability as well as better permeate flow due to its tri-channel (or tri-bore) fibre design.

Kristal® 600ET3 delivers a superior quality permeate just like its Kristal® 600ET predecessor, the first ultrafiltration membrane certified by NSF to remove the drinking water contaminant, cryptosporidium. Its effective rejection of suspended solids and microorganisms is manifested in low permeate turbidity, silt density index and total bacteria / virus counts. In addition, this high-quality permeate is consistent, and highly independent of feed quality.

Kristal® 600ET3 has the added advantage of a high tensile load bearing ability while filtering at high flux rates because it combines three individual hollow bores in a fibre instead of one at the centre of the fibre. This means that Kristal® 600ET3 promises a longer shelf life and hence lower replacement costs for users. Kristal® 600ET3 is ideally suited for reverse osmosis pre-treatment processes in both large and small plants as it is able to effectively prolong the lifespan of the reverse osmosis membranes and make it easier and cheaper to maintain.

All Kristal<sup>®</sup> membranes are developed, tested and manufactured in Singapore. Currently installed in many large and small seawater reverse osmosis and wastewater recycling plants worldwide, Kristal<sup>®</sup> membranes are used in over 40% of seawater reverse osmosis desalination pre-treatment projects worldwide including Tianjin Dagang Desalination Plant in China, and Magtaa Desalination Plant in Algeria to produce more than 2.5 million cubic metres of product water daily. This is a key testament to the effectiveness and quality of Hyflux's Kristal<sup>®</sup> membranes, and its widespread use on a global scale.

Hyflux will showcase Kristal<sup>®</sup> 600ET3 and its membrane solutions during Aquatech Amsterdam, Booth 01.712, in the Netherlands, 1 – 4 November 2011.

## **About Hyflux**

Hyflux is one of the world's leading fully-integrated water solutions companies, with operations and projects in Southeast Asia, China, India, the Middle East and North Africa. Hyflux is committed to providing cost-effective and sustainable solutions in seawater desalination, water recycling, wastewater treatment, including membrane bioreactor (MBR) and potable water treatment. Hyflux's track record includes Singapore's first water recycling plant and first seawater reverse osmosis (SWRO) desalination plant and China's largest SWRO desalination plant in Tianjin City. The company is building the world's largest SWRO desalination plant in Magtaa, Algeria. Hyflux has also been awarded Singapore's second and largest SWRO desalination plant which will be developed on a design, build, own and operate model.

For more information, please visit [www.hyflux.com](http://www.hyflux.com)

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