

High-tech innovation from Germany:
inge watertechnologies AG presents its new
“T-Rack vario” UF module rack at WEFTEC 2010

The German ultrafiltration specialist inge watertechnologies AG has been active in the US market for more than six years. With North America's largest water trade fair – WEFTEC 2010 – on the horizon, the technology pioneer is proudly presenting its latest technical innovation: the “T-Rack vario”. This rack system for UF modules requires up to 60 percent less space than conventional rack solutions, a benefit that translates into lower capital costs. Its modular design means the rack can be configured to match each customer's specific requirements. Each row can be operated as a separate filtration line, ensuring maximum flexibility in day-to-day operations.

Greifenberg, August 6, 2010 – The German company inge watertechnologies AG is widely regarded as one of the world's leading technology pioneers in water ultrafiltration. Thanks to its patented, break-proof membranes and a number of projects involving increasingly large-scale water treatment plants – including a Chinese plant with a treatment capacity of 110,000 m³ a day – inge has now achieved an impressive market volume that is starting to attract considerable interest in the USA.

The high-quality, German-made products developed by inge are now used all over the world to treat many different types of water – including drinking water, waste water and industrial process water – and are increasingly also being employed as a means of pretreating seawater for reverse osmosis. With such a broad variety of potential applications, ultrafiltration systems must have the ability to adapt to myriad different requirements, especially with regard to their configuration and footprint. While sea water treatment plants are often built in desert regions where there is normally plenty of space for the facility, conventional drinking water treatment plants designed to recycle water for industrial use are frequently confined to much smaller spaces. Typically, these plants are only willing to modernise their facilities on condition that no major building work or structural alterations are required. The footprint of the rack system is therefore a major criteria in this decision-making process.

inge
watertechnologies AG

Flurstr. 27
86926 Greifenberg
Germany

Phone
+49 8192 997 -700

Fax
+49 8192 997-999

E-mail
info@inge.ag

Internet
www.inge.ag

Managing Board
Dr. Ing. Peter Berg
Bruno Steis

Chairman of the
Supervisory Board
Oliver Gosemann

The "T-Rack" system from inge watertechnologies AG is already regarded as a hydrodynamic solution that makes optimum use of the available space when installing UF modules, but the developers have now made some key changes that have made the system even better.

The feed and drain pipes are integrated in the end caps of the headers, the filtrate connections are welded to the module bodies and headers, there are no O-rings and all the flanges of the header pipes are mounted in the same plane. The modules can be arranged in either two or four rows and each row can be operated as a separate filtration line.

This concept offers unparalleled flexibility and helps keep investment and operating costs to a minimum.

Bruno Steis, CEO of inge watertechnologies AG, comments: "We have already won acclaim in the USA for our break-proof membranes and our five-year warranty against fiber breakage, and our new space-saving, cost-cutting solutions are now giving us a further competitive edge. I feel confident that we can expect a great response from the US market with our new technical innovation, the T-Rack vario."

inge watertechnologies AG will be at WEFTEC 2010 in hall D, stand 1463.



Photo:
A superbly compact form of modern UF technology:
The new "T-Rack vario" from inge watertechnologies AG

inge
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Flurstr. 27
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Germany

Phone
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About inge watertechnologies AG

The company inge watertechnologies AG www.inge.ag, based in the town of Greifenberg near Munich in Bavaria, Germany, employs more than 80 staff and is the world's leading provider of ultrafiltration technology, a membrane process used to treat drinking water, process water, wastewater and sea water.

With a global reach enhanced by its network of partners, the company has completed numerous reference products around the globe featuring its cutting-edge technology. Its range of products include highly-efficient ultrafiltration modules and cost-effective, space-saving rack designs as the core components of water treatment plants, rounded off by the superb technical support it provides to its customers.

All the company's products are based on the in-house development of its patented Multibore® membrane technology, providing the top-quality standards for which German-made goods are famous. The extremely small-pore filters of the Multibore® membrane reliably intercept not only particles, but also microorganisms such as bacteria and viruses, thereby providing a dependable source of clean water. Deployment of the inge



technology also offers significant advantages over conventional water treatment methods, such as rapid and easy module installation and stable, highly resilient membranes. This makes planning a water treatment facility much simpler, enabling customers to achieve low-cost installation and operation. And all this comes with a guarantee of long-lasting reliability.

Press Contact:

Petra Erner
Press Officer
Phone: +49-176-24126502
Email: perner@inge.ag

Headquarters

inge watertechnologies AG

Flurstraße 27
D-86926 Greifenberg
Deutschland / Germany

Phone: +49 8192 / 997-700
Fax: +49 8192 / 997-999
E-Mail: info@inge.ag
Internet: www.inge.ag

inge Asia

**inge watertechnologies AG
Beijing Representative Office**

Unit 0708, Landmark Tower 2
8 North Dongsanhuan Road
Chaoyang District, 100004 Beijing
VR China

Phone: +86 10 / 6590-7839
Fax: +86 10 / 6590-7836
E-Mail: hu.jianhui@inge.cn
Internet: www.inge.cn

**inge
watertechnologies AG**

Flurstr. 27
86926 Greifenberg
Germany

Phone
+49 8192 997 -700

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