

## PRESS RELEASE

### ***FOR IMMEDIATE RELEASE***

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### **Yokogawa releases the New Glass Rotameter RAGN – The World's first Glass Rotameter suitable for SIL applications**

Yokogawa the home of the original Rotameter, introduces the new Glass Rotameter RAGN, designed to offer an unlimited lifetime combined with safe and virtually maintenance-free operation. The RAGN resists highly corrosive media and is used for the continuous flow measurement of liquids and gases.

Yokogawa is the first supplier to completely provide safety excellence to all applications for glass and metal Rotameters based on FMEDA. The RAGN with reed switches has been assessed to SIL 1 acc. to the reworked IEC 61508:2010 and complies with the Machinery Directive ISO 13849-1 standard.

When the original Rotameter was developed in 1909 by Karl Küppers, the importance of the variable area meter was quickly recognized. Due to the Rotameter mechanical principle, continuous flow measurement was possible for the first time. The simple principle, that a float rises inside a conically glass tube and its position on a scale can be read as the flow rate, has not changed. Rotameters have been continuously developed and optimized to meet the requirements of the modern process industry. They are still popular in all industries and customers value its reliability and trouble-free operation.

The RAGN comes in an all stainless steel design and offers the widest measuring ranges from 2 ml/h – 10 m<sup>3</sup>/h water and 0.1 l/h – 160 m<sup>3</sup>/h air. The measuring glass tube is equipped with an easy-to-read-scale highlighted by a yellow background and protected by a splinter shield. The modular design limit switches can be easily retrofitted and are used to indicate minimum or maximum flow alarms, by outputting a signal when the magnetic float has reached or exceeded the limit switch position. An optional cable connection box is available for simple wiring. The Yokogawa RAGN lineup combines multiple process connections and sizes in a modern design.

In these days when environmental management has finally found its way into our minds and corporations, the pure mechanical principle of the Rotameter regains even more momentum. For manufacturers it is important to optimize productivity, consume less energy and reduce energy costs. Rotameters generally have a very low pressure loss compared to many other flow measuring principles, and therefore consume less energy. This helps achieve sustainability by being a key aspect of environmental management. With common applications and normal operating conditions, they are maintenance free and have an unlimited lifetime.



For further information please check: [www.yokogawa-usa.com](http://www.yokogawa-usa.com)

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## About Yokogawa Corporation of America

Yokogawa Corporation of America is the North American division of \$3 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control, automation services and solutions. Headquartered in Sugar Land, Texas, Yokogawa Corporation of America offers a variety of clients with leading products on the market such as process analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, measuring instruments, distributed control systems, and more. For more information about Yokogawa, please visit our website [www.yokogawa.com/us](http://www.yokogawa.com/us).



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