

Siemens equips its Intelligent Valve with glycol capability and change-over function

- **Intelligent Valve from Siemens now also operates with a glycol content in the hydronic circuit**
- **Integrated change-over function saves engineering time and investment costs at the automation level**

Siemens Smart Infrastructure has enhanced its Intelligent Valve with new glycol capability. As a result, the valve can now be used in hydronic circuits with ethylene glycol-based antifreeze. The glycol option substantially increases the range of use cases for the Intelligent Valve: It extends the application range to hydronic circuits that are exposed to ambient temperatures below 0°C during standstill. Example applications include coils in air handling units (AHUs) or recoolers of chiller plants. With the new capability, the required burst protection can be provided without sacrificing the well-known benefits of Intelligent Valve such as energy transparency, pressure-independent flow control or optimized Delta T (ΔT).

Thanks to the newly integrated dynamic control change-over function, a heat exchanger can be dispensed within the assembly of AHUs. Intelligent Valve has two different parameter sets: one for heating, and one for cooling. This allows ideal operation in cost-effective and space-saving applications like combined coils in AHUs or combined distributions. With its new control function for changeover applications, the Intelligent Valve automatically detects whether it is in heating or cooling mode and optimizes quantities such as volume flow or ΔT . This change-over function saves engineering time and investment costs at the automation level. The new function allows ventilation centers to be optimized, AHUs to be downsized, and ultimately space to be saved that can be used for other purposes.

Visit us at Light + Building 2022 in Frankfurt am Main, October 2 - 6, in hall 11.0, B56.

This press release and a press are available at

<https://sie.ag/3Qgstyx>

For further information on Siemens Smart Infrastructure, please see

www.siemens.com/smart-infrastructure

For further information on Intelligent Valves, please see

www.siemens.com/intelligentvalve

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2021, the business had around 70,400 employees worldwide.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2021, which ended on September 30, 2021, the Siemens Group generated revenue of €62.3 billion and net income of €6.7 billion. As of September 30, 2021, the company had around 303,000 employees worldwide. Further information is available on the Internet at www.siemens.com.