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Belimo Announces the Launch of a New Digital Generation of Connected and Future-Proof Field Devices

DANBURY, CT, November 20, 2025 – Belimo is unveiling a comprehensive range of new HVAC field devices designed to meet the demands of tomorrow's buildings. The devices are engineered to address the increasing complexity of building systems, the need for energy transparency, and the growing shortage of skilled professionals in the HVAC industry. With an intuitive design and digitally supported integration, the new Belimo products offer a streamlined experience for engineers, contractors, building owners, and facility managers alike.

Belimo is enhancing its portfolio with a new range of connected HVAC field devices, including the powerful and versatile 40 Nm [360 in-lb] non-fail-safe GM damper actuator, the precise and reliable motorized butterfly control valve with the GR actuator, and the differential air pressure sensors. The lineup also includes the QR (450 Nm [4000 in-lb]) and YR (700 Nm [6200 in-lb]) actuators for large-format butterfly control valves. Designed for ease of installation, configuration, and maintenance, these devices help to reduce energy consumption and enable smart building operations.

New Product Highlights**40 Nm [360 in-lb] Non-Fail-Safe GM Damper Actuator (Available Now)**

The new actuator combines high energy efficiency with advanced control capabilities. It consumes just 2 W during operation and 0.2 W in standby mode — reducing energy use by 75% compared to previous models. Setup is streamlined using Belimo Assistant 2, which allows for quick adjustments to control signals, running times, and integrated auxiliary switches. The unique Belimo M600 Microchip provides access to advanced operations, such as live trending. Users benefit from precise airflow regulation, making the actuator a strong fit for large air dampers.

Motorized Butterfly Control Valve with GR Actuator (Available Q2/2026)

The GR actuator features an energy-saving design, using 70% less standby power than previous models. Designed for use in stationary heating, ventilation, and air conditioning systems, the valve's control signals and running times can be easily adjusted to meet specific application requirements. The new butterfly valves come with optional integrated auxiliary switches, providing feedback on whether the valve is fully open or closed and can be set to switch at specific positions. The actuator is compatible with existing DN 25...80 [1...3"] butterfly valves, ensuring smooth integration into systems.

Differential Air Pressure Sensors (Available Q2/2026)

The differential air pressure sensors provide accurate readings even at low pressure levels. Well-suited for monitoring air filters, fans, and V-belts in HVAC systems, particularly in air handling units, the sensor's user-friendly design and app connectivity simplify monitoring and maintenance and help reduce operating costs. New electrical interfaces with detachable cables and terminals make handling more convenient. The new sensors include versions with pressure ranges of +/- 150, 500, 2500, and 7000 Pa.

QR and YR Actuators for Butterfly Valves (Q1/2026 – availability may vary by region)

The butterfly valve range has been extended with large valves for DN 350 [14"], paired with the QR actuator (450 Nm [4000 in-lb]), and for DN 400...450 [16...18"], paired with the YR actuator (700 Nm [6200 in-lb]). The actuators combine exceptional efficiency with reliable performance, consuming approximately 80% less energy than typical 300 W market alternatives. They are suitable for high-flow applications, such as refrigeration setups, cooling towers, and heat generation plants. The integrated Belimo M600 microchip ensures precise and consistent valve operation, while an internal smart heater helps prevent condensation, contributing to long-term durability.

User-Friendly Features

The new devices include user-friendly features that support operation throughout their entire lifecycle. Each device is compatible with Belimo Assistant 2 for installation, commissioning, and replacement. The devices also feature LED indicators that provide clear visual feedback on device status.

Customers interested in discovering the difference that cutting-edge technology can make should contact their local Belimo representative at www.belimo.com.

About Belimo

The Belimo Group is the global market leader in the development, production, and sales of field devices for the energy-efficient control of heating, ventilation and air conditioning systems. In doing so, damper actuators, control valves, sensors and meters make up the company's core business. Sustainability is an integral part of Belimo. For five decades, the company has been committed to environmentally friendly solutions and focuses on energy-efficient products that reduce CO₂ emissions and promote resource conservation. In 2024, the Company reported sales of CHF 944 million and employed over 2,400 people. Information about the Company and its products is available at www.belimo.com. The shares of BELIMO Holding AG have been traded on the SIX Swiss Exchange since 1995 (BEAN).

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