

**Plenty new from Belimo:**

### **Innovative actuators for air and water**

With two new series of motorised water control valve products - both linear and rotary types - and new actuators for fire and smoke extraction dampers, Belimo has recently made some important additions to its already very comprehensive range of operating control products for use in air and water systems in HVAC installations.

### **Characterizing disk for ball valves**

Belimo is now marketing the first ball valve that can be used as a full-performance control device. It incorporates a specially-developed and patented characterizing disk which gives this unique control ball valve an equal-percentage flow characteristic. Thanks to first-class controllability it is able to offer high quality at a cost-effective price. There are two families of actuators to choose from for operating the new valves - the compact Type LR, developed from the well-proven Type LM, and the powerful Type NR rotary actuators.



**Legend:**

***The new Belimo control ball valve with equal-percentage flow characteristic***

### **Globe valves with intelligent actuators**

Another innovation is a carefully-selected range of globe valves combined with a range of advanced motorized actuators. The new Type NV actuators for globe valves from DN 15 to 50 mm and the powerful Type AV actuators for valves up to DN 150 mm are also available with Belimo's unique MFT<sup>®</sup> Multi-Function Technology. This intelligent electronic system allows actuators to be parameterized individually. As well as allowing the precise adaptation of the actuator to the needs of the valve and to a wide range of installation needs, however, MFT<sup>®</sup> Multi-Function Technology also provides self-adaptation during commissioning and self-monitoring during operation. In addition, the use of digital signal transmission establishes the ideal preconditions for a simple link-up to modern field bus systems.



**Legend:**

***The new Type NV linear actuator is setting new standards in the field of motorized globe valves***

### Safety actuators for fire and smoke extraction dampers

Past experience with catastrophes involving fire has shown that it is actually the smoke and the gas produced by a fire that represent the greatest danger to any human-beings involved. This is why Belimo decided to design and develop a new approach to smoke extraction in buildings. It employs the new Type BE actuator, which has either one or two safe positions - "open" or "open" and "closed" - and the SBSE Control supervisory system. This concept of smoke extraction is ideally suited to satisfying the various needs of a wide range of different damper manufacturers. For example, Type BE actuators can move even large smoke extraction dampers to their safe position within 60 seconds while the installation is still operational and, thanks to the continuous holding force that the actuators also produce, keep them pressed on to the seals there.



**Legend:**

***Smoke extraction damper with the new, specially-designed Type BE actuator and the BKNE230-24 power supply and communications unit***

In the classic area of safety too, Belimo is coming up with new solutions to old problems. As well as the proven and powerful Type BF and BFG spring-return actuators for medium-size and large fire dampers in main distribution systems, the Belimo range now also includes the new and compact Type BLF actuator. These are ideal for the low-cost motorizing of the small safety dampers used for terminal control in applications such as rooms housing valuable computer and telecommunications equipment, production shops and laboratories, stores, warehouses, etc.



**Legend:**

***The new type BLF actuator for small fire dampers***

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Wetzikon, February 2000