**EBRO butterfly valves help ensure gas safety**

*When combined with a pneumatic actuator, the Z 011-A and Z 014-A butterfly valves fulfil all the requirements of EN 161*

Hagen, October 2021 – The EN 161 standard requires gas safety valves to be designed so that they open when voltage is applied and close automatically when it is switched off. The Z 011-A and Z 014-A butterfly valves from Hagen-based EBRO ARMATUREN meet these requirements when combined with the EB SYS pneumatic actuator, thus offering customers a relatively low-priced solution that delivers maximum safety.

**The benefits of butterfly valves**

EN 161 applies to automated valves and requires them to close and become gas-tight extremely quickly – in less than a second (or less than 2 seconds for diameters of DN 600 or higher) – in the event of an accident such as a fire. Butterfly valves offer a few benefits compared to conventional gas safety valves, particularly at sizes from DN 50 upwards. As well as costing less, they also take up less space and weigh less than ball valves or automated shut-off valves, which are only available in a limited range of sizes.

**Safe and sound thanks to EBRO ARMATUREN**

When combined with the EB SYS pneumatic actuator, EBRO’s soft-sealing, centrally mounted Z 011-A and Z 014-A series of butterfly valves comply with the requirements of EN 161 for gas safety valves. The EB SYS is a pneumatic rotary actuator with springs inside to ensure an abrupt shut-off. In the event of a signal failure, the actuator closes the valve automatically in less than one or two seconds. Because the shut-off function is purely mechanical, the actuator is particularly robust and reliable. This functional principle also allows it to be used safely in potentially explosive areas.

The butterfly valves are available with nominal diameters of between DN 20 and DN 1200 and can be used at temperatures ranging from -15°C to +60°C and at a maximum operating pressure of 5 bar. They are maintenance-free and can be installed in any position.

In summary, EBRO’s Z 011-A and Z 014-A butterfly valves offer numerous advantages over automated shut-off valves when used as gas safety valves. They also guarantee a high level of operational safety and thus represent a genuine alternative.

Photo: The shut-off valves in the Z 014-A series fulfil the requirements of EN 161.

**EBRO ARMATUREN**

Since the company was founded in 1972, EBRO ARMATUREN has been developing, producing and selling shut-off, control and automation technology for industrial applications. More than 1,000 employees at three national and 30 international subsidiaries ensure that EBRO products are available in over 100 countries worldwide. Within the global network, production takes place at the headquarters in Germany and in Italy, Sweden, China and Thailand with uniformly high manufacturing and quality standards. In 2005, the Swedish manufacturer Stafsjö Valves AB was acquired and the product range was extended by an extensive portfolio of knife gate valves.

The owner-managed family business sees itself as a reliable, future- and value-oriented partner for its more than 35,000 customers worldwide: customer satisfaction, quality and safety are reflected in the variety of more than 350,000 product variants, which are manufactured with high-precision technology and distributed with fast delivery performance for customers all over the world. For EBRO, it is a matter of course that, in addition to high-quality industrial valves, the corresponding drive and automation technology is also tailored as a complete unit precisely to the specific application and its requirements. This offers the customer further synergy effects in planning support, technical advice and documentation. EBRO has established itself in the market worldwide with innovative solutions, especially for demanding applications and sectors such as the chemical and pharmaceutical industry, food and beverage industry and seawater desalination.