Pneumatic and electric actuators “made in Italy”
by Valbia

Valbia, an Italian company established in 1995 and part of the Bonomi Group, produces actuators, both pneumatic and electric, for quarter turn valve operation. All products are proudly engineered and produced in Italy. Its product range is represented at Achema 2015 by the very well known rack&pinion pneumatic actuator, now produced in far more than 2 million pieces and installed all over the world in many different applications. Rack&pinion is recognized as the most simple, cost-effective and reliable system for quarter turn valve actuation until a certain level of torque. Beside the standard version with body in hard anodized Aluminium, Valbia will show actuators with PTFE surface coating, Nickel plating or Epoxy coating suitable for installation in aggressive environment. The version in AISI 316 Stainless Steel will also be shown. The torque range goes from 9 to 5519 Nm @6 bar with 15 models double acting and 14 spring return. All of them are ATEX CE ExdII2G/D-CT6 and also SIL2 certified. Also the range of Electric Actuators (quarter turn) will be exhibited. These are suitable for actuation of butterfly, ball and plug valves. Beside the standard one with self-extinguishing Technopolymer enclosure, at Achema 2015 the company will introduce the new version with Aluminium enclosure. Its Polyester coating, together with IP67/UL Type4, allows installation in industrial environments both indoor and outdoor. All models are fitted with emergency manual operation, electronic torque limiter and space heater. The range has torque output from 15 to 350 Nm. The voltage can be 12VDC or 24V AC/DC, 100V and 240V AC. The entire range is CE and UL certified.

For both ranges of actuators a full package of accessories is available:
- Pneumatic actuators: solenoid valve, limit switch box, positioner, manual gear operator, declutchable gearbox for emergency manual operation
- Electric actuators: middle position limit switches, 4-20mA or 0-10V positioner, potentiometer, back-up battery for emergency operation.

Commercial and technical local support is granted in the most important markets like Germany, U.K., USA and South America by direct company branches.

Innovation ahead with Georg Fischer’s new butterfly valves type 578

Georg Fischer Piping Systems presents its new series of butterfly valves type 578 in the dimensions DN50 to DN300. They are specially suited to the worldwide use in chemical and water treatment applications. The newly developed, glass fiber reinforced plastic lug housing convinces with highest stability, low weight and good corrosion resistance.

Compared to metal valves of the same dimension, the butterfly valves type 578 save up to 50% weight. This is due to the use of glass fiber reinforced polypropylene as housing material. Stainless steel (1.4408) threaded lug inserts ensure that the valve can be centered perfectly between the flanges. The combination of materials provides maximum strength and optimized weight. Besides, these valves are corrosion and UV resistant. The new butterfly valve GF Piping Systems relies on the double eccentric operating principle, which is proven since the launch of the butterfly valve type 567 in 2005. The double eccentricity combined with the pressure support of the profile seal leads to a 50% lower actuation torque compared to centric valves. The disc doesn’t touch the seal in the open position: this principle reduces the contact surfaces between medium and elastomers significantly.

With two important positive effects: a steady operation torque ensuring save opening and closing, and less wear and tear for a longer service life, which is particularly important for applications in critical areas such as in the chemical process industry. The higher operating and process safety and good chemical resistance lead to better profitability. Thus, the valves type 578 are also suitable for applications in water treatment, including wastewater systems in industrial systems like chemical plants and power plants.

The butterfly valves type 578 are available in PVC-U, PVC-C, ABS, PP-H and PVDF in the dimensions DN50 / 2” up to DN300 / 12”. Seals are available in EPDM, FPM or PTFE. The design of the valves is made for the installation in metric (ISO-DIN connection dimensions) and ANSI systems. In addition, the standard interface for easy installation of actuators is optimally designed for plastic-metal connections. Ex factory, the butterfly valve type 578 is supplied with a lever, manual gear operator, pneumatic or electric actuator. For the use as process or control valve, a variety of accessories, like position feedback unit or ASI control heads, are available.

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