AUMA News

Non-intrusive Actuators for Hazardous Locations

AUMA actuators with AUMATIC controls are now available in a non-intrusive version suitable for installation in hazardous (classified) locations. The non-intrusive version has been rated explosionproof by FM Approvals for Class I, Division 1, Groups C and D and Class I, Zone 1, Group IIB. The multi-turn actuator has been designated SAExC and the AUMATIC controls are designated ACExC.

This approval supplements AUMA's previous approvals from FM and is in addition to AUMA's non-intrusive actuator approval in accordance with ATEX directive 94/9/EC and certificates issued by various other international agencies.

The SAExC is suitable for applications requiring multiturn, quarterturn or linear actuation. When coupled with a bevel gearbox, it can provide multiturn actuation accepting up to 309,000 lb thrust and providing up to 11,800 ft lb torque. In addition, the SAExC can be coupled to AUMA's broad range of worm gearboxes offering up to 265,000 ft lb torque for quarterturn actuation. When the SAExC is furnished with AUMA's LE drive, linear output of up to 48,825 lb and 19.8 inches stroke can be achieved.

This approval means users of electric actuators in hazardous locations will have the opportunity to benefit from the many features offered by the AUMATIC controls including an LCD display with 4 lines of text, 5 programmable indicating lights and a broad range of control system interfaces including PROFIBUS DP, Modbus, DeviceNet and Foundation Fieldbus. Diagnostics and operational data logging are also standard features. The SAExC with ACExC also allows users to take full advantage of AUMA's plug and socket electrical connection both at the field terminations and between the AUMATIC and actuator gearcase.

AUMA is a manufacturer of electric motor actuators for valves and has been providing automation solutions for industry worldwide over the past 42 years.

AUMA SAExC Multi-turn Actuator in Non-intrusive Version

auma®

Solutions for a world in motion