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**Rotork releases AC version of PAX1 linear actuator**

Rotork has updated the PAX range of actuators by adding an AC power variant of the PAX1 linear actuator.

The wider PAX range is made up of a variety of linear actuators and motorised regulators. PAX1 units are flexible, low voltage actuators that are ideal for use in remote explosionproof locations. They offer a thrust output of up to 2,890 N (650 lbf), enabling control of most regulators, small valves and pumps. They are capable of controlling pressure ranges of 0-0.5 psig to 0-3,000 psig.

Common applications include pump stroke control, valve control, test equipment and the automation of mechanical spring-loaded pressure regulators. Hazardous area rated to FM, CSA and ATEX, they also have high levels of ingress protection; NEMA 4X, Type 6P, IP66 and IP68 (7 metres for 72 hours), increasing the areas in which they can be used.They have a wide ambient temperature range of -40 to +80 °C (-40 to +176 °F).

The addition of an AC power variant allows for longer cable runs without degradation of the power supply. This allows PAX series units to be installed within existing installations where DC power does not exist or is too expensive or difficult to run. Existing field-proven features, such as reliable fail-freeze and manual operation, help ensure uninterrupted service. The PAX series is low powered and dramatically reduces power usage while maintaining position.

The PAX1 is ideal for midstream and downstream natural gas systems demanding precision and reliability, such as natural gas distribution automation. The AC PAX1 is especially well suited for water and power industrial applications. In the water industry, the integration of an AC PAX1 unit allows for optimisation and control. It is suitable for use with pressure reducing and management valves that allow, in conjunction with an AMI (advanced metering infrastructure)network, for the realisation of data analytics that can be used to create control algorithms to lead to lower leakage rates, reduction of chemical usage, reduction in pipe bursts and a lower pump operating cost.

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**Photo caption**

The AC PAX1 variant

**For further information please contact Rotork PLC**

Sarah Kellett Brassmill Lane

Group Marketing Communications Manager Bath

Telephone: +44 (0) 1225 733492 BA1 3JQ

Email: Sarah.Kellett@rotork.com UK

**About Rotork**

Rotork is a market-leading global provider of mission-critical flow control and instrumentation solutions for oil and gas, water and wastewater, power, chemical process and industrial applications. We help customers around the world to improve efficiency, reduce emissions, minimise their environmental impact and assure safety.