

CERTUS PROCESS SOLUTIONS, INC.

SELF CONTAINED VALVE ACTUATORS

SP SERIES



SP Series Self Contained Valve Actuators

- *Ideal for Remote Locations Where Power is Unavailable or Unreliable.*
- *Stored Power Which Guarantees Multiple Operations of the Actuator.*
- *Modular Design for Future Upgrades*
- *Suitable for the Operation of Linear and Quarter-turn Valves.*



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Reliable Solutions for Your Critical Valve Requirements.

CAPABILITIES

- Linear actuators, double acting, thrust output to 600,000 lbs, linear motion range up to 72", power supply pressure up to 5,000 psi.
- Quarter-turn actuators, double acting, torque output to 6,000,000 in/lbs, power supply pressure up to 5,000 psi.
- Self Contained.
- Fail safe operation.
- Emergency Shutdown.
- PLC or micro processor-based system.
- Local & remote control.

OPERATING PHILOSOPHY

- Stored hydraulic power allows for multiple valve strokes.
- Low power solenoids operate the actuator.
- 4-20 mA position indication.
- Wireless and local control of the actuator.
- RTU for data transmission.
- Solar panel generates electric power to charge the RTU unit and operate the solenoids.
- Interface to SCADA systems.
- Area Classification: Class I, Div. I, Groups A-D, NEMA 4X & 7.



SP-Q actuator for quarter-turn applications



SP-L actuator for linear applications with SCADA system

SP SERIES VALVE ACTUATORS BY CERTUS PROCESS SOLUTIONS, INC.

Reliable Solutions for Your Critical Valve Requirements.

Based in Houston, Texas, CERTUS Process Solutions, Inc is composed of experts in the valve automation field that truly understand the working conditions and challenges faced by end users. It was this understanding along with the company's commitment to satisfy its customers' requirements that lead to the development of the Self Contained SP Series Valve Actuator.



CERTUS's manufacturing capabilities are housed in a 6,300 sq. ft. facility situated in a 2 acre property, located near George Bush Intercontinental Airport in Houston, Texas, USA.

SP Series Valve Actuators: Cutting Edge Self Contained Valve Actuator Technology.

The SP Series is a truly Self Contained Actuator, ideal for use in a wide spectrum of applications including Emergency Shut Down (ESD) valves and valves located in remote locations such as pipe lines and unmanned oil platforms.

The SP series' own self contained system allows for multiple valve strokes. The SP has minimal tubing which practically eliminates leakage points and makes the SP virtually zero leakage. The SP Series can be PLC or microprocessor-based and is capable of being interfaced with SCADA systems. The SP has a modular design that allows for future upgrades and expansions.

Contact CERTUS Process Solutions, Inc. for information on the SP Series or for help with your critical valve automation needs.

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OTHER PRODUCTS & SERVICES BY CERTUS PROCESS SOLUTIONS, INC.

- Linear actuators.
- Quarter-turn actuators.
- Valve automation.
- Hydraulic Power Units (HPUs).
- Nitrogen tank banks.
- Pneumatic and hydraulic control panels.
- Pneumatic and hydraulic solenoid valves, limit switches and pressure switches.
- Service of actuators and controls.
- Spare parts for major actuator brands.



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