

KINITICS VALVE ACTUATOR **KVA38**

Designed for Automation
& Process Control

Spring-loaded Electric Valve Actuator

- Low maintenance design
- Certified to operate in hazardous locations
- Perfect replacement for pneumatic actuators



KINITICS
AUTOMATION

PRODUCT BROCHURE

KINITICS VALVE
ACTUATOR
KVA38

Introducing the Next Generation of Valve Actuators – the KVA38

The KVA38 is a general-purpose globe valve actuator designed to meet the needs of the energy and process control industries. Harnessing cutting-edge Shape Memory Alloy (SMA), the KVA38 delivers high force with exceptionally precise linear motion.



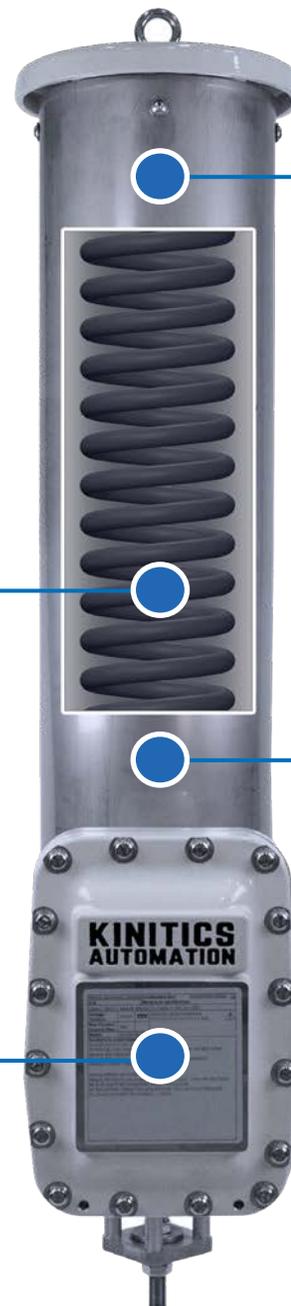
The KVA38

Spring Loaded

The KVA38 features a mechanical spring-biasing mechanism to reliably close the valve in the case of loss of power or signal

Industrial Interface

Fully electric using 24VDC or 120VAC with both analog (4-20 mA) and serial (MODBUS) control options



Shape Memory Alloy Technology

With one moving part in the drivetrain that works inline with the valve stem, the KVA38 significantly reduces operational costs when compared to pneumatic or electric motor solutions

Rated for Hazardous Locations

Heavy-duty construction and certified to operate in hazardous locations in both the US and Canada

The Kinitics Valve Actuator “has the potential to significantly reduce greenhouse gas emissions by eliminating a source of methane released during venting from natural gas-driven pneumatic actuators.”

– NGIF Capital / Canadian Gas Association



Redefining Process Control in the Energy Sector

The KVA38 is a globe valve actuator that meets the needs of the energy sector. As industry moves away from methane-venting pneumatics, the Kinitics Valve Actuator is the ideal all-electric alternative.

Featuring a mechanical spring, the actuator provides reliable valve closure in the event of power loss or control signal interruption. With minimal maintenance needs, the KVA38 delivers the lowest cost of ownership compared to traditional pneumatic or motor operated valve (MOV) solutions.

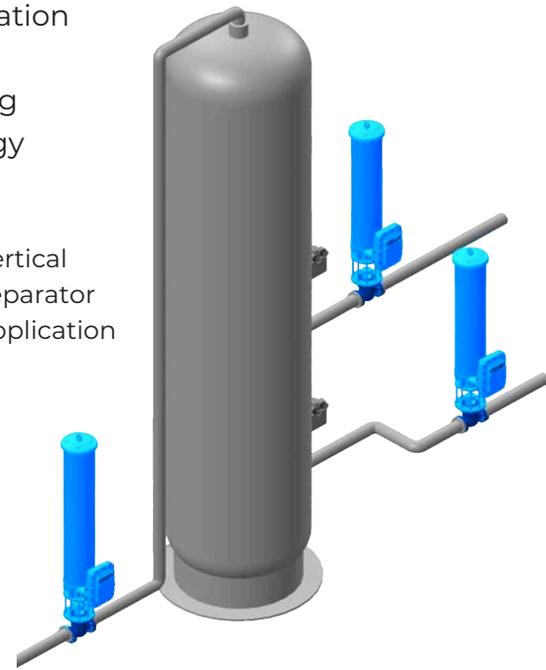
Experience the future of process control with the Kinitics Valve Actuator, where innovation meets reliability and efficiency, transforming the landscape of energy sector operations.



Example Applications for KVA38

- Separators
- Injection Gas
- Blanket Gas
- Heater Treater
- Plunger Lift
- Dehydrator

Vertical Separator Application



KINITICS VALVE ACTUATOR KVA38



A Comparison of Actuators

Feature Comparison	KVA38 	Pneumatics 	Electric Motor 
Spring Closure	✓	✓	✗
100% Duty Cycle	✓	✗	✗
Low Deadband	✓	✗	✗
Low Maintenance	✓	✗	✗
Low Infrastructure	✓	✗	✓

KVA38 Specifications

- 24DC and 120AC versions
- Compatible with 1/2 to 2 NPS globe valves
- 100% duty
- Built in positioner with feedback
- Works down to -40°C [-40°F]
- Class 1 Zone 1 hazloc rating

Refer to product datasheet for additional specifications.

About Kinitics Automation

Kinitics Automation is a leading developer of motion control products using Shape Memory Alloy (SMA) materials and Bundled Wire technology. Kinitics' Actuators and Piston Pumps are providing the next generation of automation and process control for multiple industries in the energy, advanced manufacturing, and aerospace sectors.

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