



Regal Safety Actuator Valve

Series 9000



The Regal Safety Actuator Valve (RSAV) is designed to quickly close a gas cylinder valve when a leak is detected. The actuator is designed to fit on most 150 lb cylinders or one ton containers. The actuator system consists of a valve stem mounting adaptor, a touch screen control panel, and the actual valve actuator. The mounting adaptor can be mounted in seconds and provides for a tight fit onto the stem. This ensures the best transfer of torque to ensure proper shutoff in minimal time and with minimal noise. The actuator simply is placed on top of the adaptor making the whole process simple and fast while requiring no tools. The actuator is agnostic as to the type of gas in the cylinder.

The actuator is part of a broader emergency gas shutoff system. The actuator can be connected directly to a gas detector for a simple stand-alone solution. Additionally, it can be connected to a local control system that provides an input signal to close based on a detected condition. If a gas detector is connected directly to the actuator system, the system can additionally communicate to a local control system. The time from detection to valve closure is designed to be no longer than 1.5 seconds.

REGAL SYSTEMS, INC.

1044 SE Dixie Cutoff Road
Stuart, FL 34994

Get in Touch

772-288-4854

info@regalchlorinators.com

www.regalchlorinators.com

The Series 9000 can control up to six gas cylinders. The control panel and each actuator have battery backups to ensure valve closure even with lost signal or power failure. The touch screen control panel shows the status of each cylinder, gas detection level, and has an emergency shutoff button on the main screen. Additionally, there is a twenty-four hour historian that shows times and detected gas levels at individual time intervals (tbd).

9051 Controller

Enclosure Dimensions : 14 x 15 x 3 inches (356 x 381 x 76 mm)
Enclosure Dimensions(with brackets) : 14 x 18.4 x 3 inches (356 x 468 x 76 mm)
Enclosure Weight : 10 lbs (4.54 kgs)
Battery Weight : 1 lb (.45 kgs)
Enclosure Rating : NEMA 4X / IP66
Temperature Range : -10 C to 50 C
Display : 10.1" TFT LCD touch screen
Power Requirement : 120 - 240 VAC
Power Use : 100 watts
Current : 0.9A @ 120 VAC
Relay Contact Rating : (2) Relay Outputs - 10A @ 24 VDC/110VAC
Digital Output: (1) 12V output
Analog output: (1) 4-20mA
Battery Backup : 3 days, 6Ah
Emergency Stop Button : Normally Open contact (Optional N.C. Contact)
Warranty : 3 Years
Optional SCADA Output : Modbus RTU

9050 Actuator

Enclosure : Compact 7 x 6.5 x 7 inches (178 x 165 x 178 mm) Size , NEMA 4X
Drive Coupler : Stainless Steel
Cable : 32 ft (3.7m), 5 Wire M12 industry
Closing Speed: 1.5 seconds (90 degree rotation)
Closing Torque : 40-60 ft-lbs with Posi-Shut(™) Technology
Battery Type : Lithium 12VDC, 3.0Ah
Standby/Backup Time : Up to 5 days
Standard Compatibility : Chlorine Institute DWG's 110, 113
Yoke Compatibility : Chlorine Institute DWG's 189, 131

REGAL CHLORINATORS

BULLETIN 9000



REGAL CHLORINATORS

BULLETIN 210/220/250

