

# Powell

Fabrication & Manufacturing, Inc.

## MaxPro™ RA

### Stop Dangerous Leaks Where They Occur

Avoid production slowdowns, operator injury, or lengthy and expensive environmental cleanups by stopping dangerous chemical leaks with the **MaxPro™ RA Pneumatic Valve Closure System**. Designed for both 1-ton containers and 150-lb cylinders, this patented emergency valve closure system prevents reportable releases of pressurized hazardous gases. Improve your Risk Management Planning (RMP) scenarios with a pneumatic-powered system that not only promises easy installation and low maintenance, but also superior performance and reliability.

**Some valve closure systems are simply built. Ours is engineered.**

#### PNEUMATIC

Ideal for applications where air or nitrogen is readily available. Fail-closed design operates even if AC power or air pressure is lost. Requires 90 psig.

#### POWERFUL

Automatically responds to any alarm input, instantly closing valves with 40 lb-ft of torque.

#### DEPENDABLE

Mounts on the valve body, not the yoke. This prevents any torque from being transferred to the yoke, which could cause the lead gasket between the yoke and container valve to fail, resulting in a dangerous leak.

#### EASY TO INSTALL

Designed for both 1-ton and 150-lb containers. Unique mounting bracket easily attaches and detaches from the valve stem in seconds, without tools.



#### VERSATILE

Applicable to a variety of valve designs and hazardous chemicals, the system has a unique mounting bracket that can be mated to any of several available valve adapters. For use on containers of chlorine\*, sulfur dioxide, anhydrous ammonia, liquid hydrogen chloride, and other pressurized hazardous gases. Also accommodates vacuum regulators (chlorinators).

#### LOW MAINTENANCE

Robust motor requires no lubrication and is completely encased by a steel cover for protection and years of reliable service.

#### LIGHTWEIGHT & COMPACT

Only 5.5 pounds. Exclusive "Right-Angle" (RA) design allows manual valve operation with a standard wrench. Also minimizes length when installed, extending no more than 4 inches beyond the rim of a 1-ton container.

**\*Designed in accordance with The Chlorine Institute's guidelines for valve closure systems.**

The **MaxPro™ RA Pneumatic Valve Closure System** has been engineered, designed, and field-tested to ensure reliable performance, while reducing installation time, maintenance, and material cost. **That's Reliable Engineering.**

**Available only from Powell. Call 989-681-2158 for the representative nearest you or visit our website at [www.powellfab.com](http://www.powellfab.com).**

**U.S. Patent 6,840,503**

Every component of the **MaxPro™ RA Pneumatic Valve Closure System** is engineered to be more versatile, efficient, and reliable than alternative units on the market. The system includes the actuator, air control unit, control panel, mounting bracket, and air supply hose.

### Designed for Versatility

This patented design consists of a pneumatic drive with a spring-loaded coupler designed to accommodate valve stems of varying lengths.

### Durability

The actuator is constructed of aircraft-quality aluminum and high-grade carbon and stainless steels for maximum service life. A two-step polyurethane coating provides additional corrosion protection.



The included 6-foot air supply hose has a safety swing coupling to ensure a secure connection between actuator and gas supply, while helping to prevent kinks or tangles in the hose.

### Maximum Control

The MaxPro™ RA Control Panel automatically activates the actuator to close the valve in the event of a gas leak, fire alarm, seismic event, security breach, process shutdown, or other monitored condition. You can also manually activate the system by depressing the emergency stop button on the panel. A single control panel can activate up to eight container-mounted actuators to close all eight valves — simultaneously.

Powell Valve Closure System Control Panels are listed by Underwriters Laboratory to UL 508A for Enclosed Industrial Control Panels. Panels are listed by Underwriters Laboratory bearing the UL & CUL mark for use in the United States and Canada markets. In applications where a CSA listed control panel in Canada is required, please contact Powell for further information.

### Complete Line of Emergency Valve Closure Systems

Whatever your application, we can provide an emergency valve closure system to suit your needs. Powell is the only manufacturer that offers a full line of valve closure systems to accommodate containers of various sizes.

*For 20-ton bullet tanks and 90-ton railcars:*

- UniPro™ Pneumatic Valve Closure System

*For 150-lb cylinders and 1-ton containers:*

- MaxPro™ RA Pneumatic Valve Closure System
- E-Pro® Electric Valve Closure System

Of course, extensive engineering and field testing go into every system we produce.

**That's Reliable Engineering. That's Powell.**



*The MaxPro™ RA Pneumatic Actuator*



The air control unit supplies the proper amount of clean, pressurized air to the system.



*The MaxPro™ RA Control Panel*

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