

# Powell

Fabrication & Manufacturing, Inc.

## E-Pro® Electric Stop Dangerous Leaks Where They Occur

Avoid production slowdowns, operator injury, or lengthy and expensive environmental cleanups by stopping dangerous chemical leaks with the **E-Pro® Electric Valve Closure System**. Designed for both 1-ton containers and 150-lb cylinders, this patent-pending emergency valve closure system prevents reportable releases of pressurized hazardous gases at the source. Improve your Risk Management Planning (RMP) scenarios with an electric-powered system that not only promises convenient and easy installation, but also superior performance and reliability.

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

### ELECTRIC

Uses standard 120-volt AC power. Ideal for smaller plants or remote facilities that do not have compressed air or nitrogen required by pneumatic systems. Unlike battery-powered units, you do not have to worry about system failure when the batteries discharge.

### 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.

### 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, causing a leak.

### VERSATILE

Applicable to a variety of valve designs and hazardous chemicals, including containers of chlorine\*, sulfur dioxide, ammonia, and liquid hydrogen chloride. Also accommodates vacuum regulators (chlorinators).

### POWERFUL

Automatically responds to any alarm input, closing valves with 40 lb-ft of torque in less than 5 seconds.

### LIGHTWEIGHT

Only 8.5 pounds – makes handling the system safer and easier. Also reduces cantilever stresses when mounted horizontally on 1-ton containers.



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

Designed and field-tested, the **E-Pro® Electric Valve Closure System** was two years in the making. The result: A unique system that delivers superior performance, durability and reliability. **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 3,219,483**

Every component of the **E-Pro® Electric Valve Closure System** is engineered to be the most versatile, efficient, and reliable on the market. The system includes the actuator, control panel and valve adapter.

## Reversible

A push button on the end of the actuator makes it easy to re-open any non-leaking valve.

## Durable

The actuator is constructed of aircraft-quality aluminum and high-grade carbon and stainless steels for maximum service life. Its housing is sealed to prevent intrusion from wind and water in outdoor applications, while a two-step polyurethane coating provides corrosion protection.



The E-Pro® System's unique mounting mechanism, coupled with its lightweight, compact design, makes it especially suited for horizontal application on 1-ton containers.

## Maximum Control

The E-Pro® 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 four container-mounted actuators to close all four 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 UI & 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:*

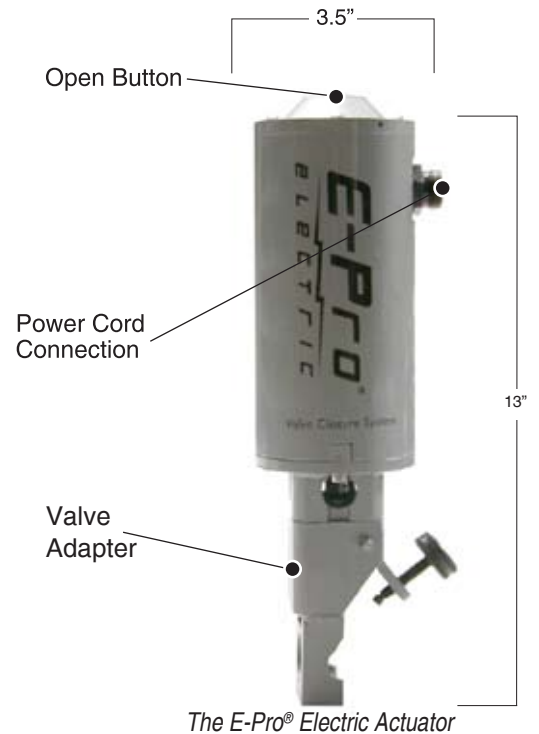
- UniPro™ Pneumatic Valve Closure System

*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 E-Pro® Control Panel*

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