

Powell

Fabrication & Manufacturing, Inc.

UniPro™ Standard

Stop Dangerous Leaks Where They Occur

Avoid production slowdowns, operator injury, or lengthy and expensive environmental cleanups by stopping dangerous chemical leaks with the **UniPro™ Pneumatic Valve Closure System**. The only emergency valve closure technology designed for 20-ton bullet tanks to 90-ton railcars, this patent-pending system prevents reportable releases of pressurized hazardous gases at the source. 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.

VERSATILE

Designed to close a variety of plug-type angle valves on railcars and tank trucks with dome sizes between 24 and 42 inches in diameter. For use on containers of chlorine*, sulfur dioxide, anhydrous ammonia, liquid hydrogen chloride, and other pressurized hazardous gases.

ADAPTABLE

Various valve adapters are available depending on your particular application (torque requirements, valve handle configurations, material hazards, spark resistance), and all easily attach/detach with a single hitch pin. With the torque-limiting adapters, there's no need to reduce the air pressure to potentially unreliable levels in order to prevent damaging the soft seat of low-torque valves.

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

PNEUMATIC

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

EASY TO INSTALL

Easily mounts to the dome wall in seconds, without tools. Can be quickly removed from the valve handle without detaching from the dome wall to facilitate manual valve operation. Weighs just 28 pounds.

POWERFUL

Automatically responds to any alarm input, closing valves with 120 lb-ft of torque in less than 10 seconds.

LOW MAINTENANCE

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



UniPro™ Pneumatic Valve Closure System are 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. Visit www.valveclosures.com for further information, or call 888.800.2310 for the representative nearest you.

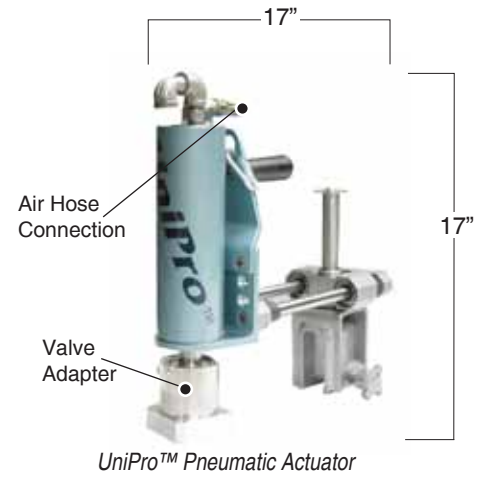
Patent Pending

The **UniPro™ Pneumatic Valve Closure System** is engineered to be the most versatile, efficient, and reliable unit on the market. The system includes the actuator, control panel, air control unit, and air supply hose.

The UniPro™ is designed to stand alone as a complete system, or to integrate with existing unloading components. The included air supply hose has a safety swing coupling to ensure a secure connection between actuator and gas supply.

Designed for Durability

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



The UniPro™ Control Panel

Maximum Control

The UniPro™ Control Panel automatically activates the actuator to close the valve in the event of a gas leak, car movement, 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.

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.

Versatility

The UniPro™ name represents a whole family of pneumatic actuators for railcar and tanker applications, including the standard, reversible and low-torque models, all designed for plug-type valves, plus a quarter-turn model specifically designed for ball-type valves. The control panel, air control unit, and all optional system components work with any of our pneumatic actuators.



Air Control Unit

The air control unit supplies the proper amount of clean pressurized air to the system. Available in two sizes to operate up to six UniPro™ actuators simultaneously.

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.



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