

Avoid production slowdowns, operator injury, or lengthy and expensive environmental cleanups by stopping dangerous chemical leaks with the **UniPro™ R Pneumatic Valve Closure System**. The only reversible emergency valve closure technology designed for 20-ton bullet tanks to 90-ton railcars, this patented system prevents reportable releases of pressurized hazardous gases at the source. Plus the UniPro™ R System is easily “reversible” – helping reduce operator effort and potential injuries. Improve your Risk Management Planning (RMP) scenarios with a pneumatic-powered system that not only promises ease of use and low maintenance, but also superior performance and reliability.

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

REVERSIBLE

Easily opens tightly closed valves with just a pull on the lever. No need for T-bars and spanners. Pushing the lever in the opposite direction closes the valve. Reversible feature requires an additional air line (90 psig) and does not interfere with emergency operation mode. Designed for high-torque valves only.

VERSATILE

Designed to operate high-torque, 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.

*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.

POWERFUL

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

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 only 30 pounds.

LOW MAINTENANCE

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

UniPro™ R Pneumatic Valve Closure System are engineered, designed, and field-tested to ensure reliable performance, while improving operator convenience and reducing maintenance. **That's Reliable Engineering.**

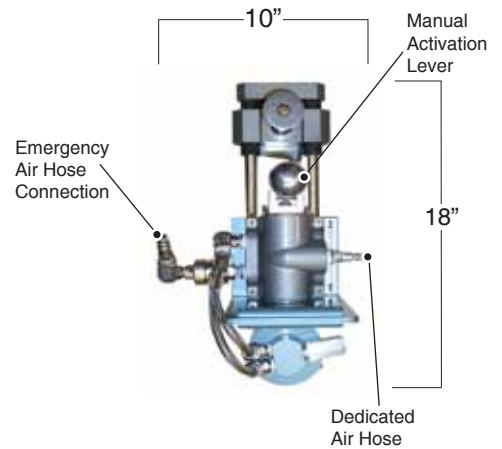
Available only from Powell. Visit www.valveclosures.com for further information, or call 888.800.2310 for the representative nearest you.

The **UniPro™ R 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™ R is designed to stand alone as a complete system or to integrate with existing unloading components. The manual activation lever allows the operator to open and close the valve on demand. 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.



UniPro™ R Pneumatic Actuator



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.

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.



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 three UniPro™ R actuators simultaneously.



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