

# UniPro™

Valve Closure System

## The UniPro™ Valve Closure System for Plug-Type Angle Valves

The UniPro™ Valve Closure System\* from Powell is today's best available technology to prevent catastrophic releases during bulk transfer of chemicals. It is the only system on the market with the flexibility to accommodate dome sizes ranging from 20-ton bullet tanks to 90-ton railcars, along with the versatility to close virtually any plug-type or ball-type angle valve.





## You Can't Afford a Major Chemical Leak!

The UniPro™ Valve Closure System is pneumatic and operates even if AC power and air pressure are lost. With appropriate components in place, the system can be configured to close valves within 10 seconds in the event of a gas leak, car movement, security breach, fire alarm, seismic event or numerous other circumstances, effectively stopping the leak well before escaping gas becomes a hazard to those on-site or in the surrounding community.

The UniPro™ Valve Closure System is designed to stand alone as a complete system or to integrate or interface with unloading system components that may already be in place at the site. The basic system incorporates several components. Each component has been engineered, designed, and pre-assembled by Powell to ensure proper system performance and reduced installation time, labor, and material cost. Components of the system include:

- UniPro™ Pneumatic Actuator, available in standard and manual reversible versions for plug-type angle valves, as well as a unit for use on ball-type angle valves.
- A variety of valve adapters for high torque and low torque plug-type valves and various ball-type valves.
- A basic control panel to activate the UniPro™ System. Powell can also supply custom panels to control the UniPro™ System in conjunction with new or existing automatic and pad gas valves, fume detectors, and a variety of other platform components.
- A Motion Detection System to trigger the UniPro™ Pneumatic Actuator to close the railcar valves in the event of railcar movement.
- A Hose Reel Assembly with 70 feet of hose and a spring-driven rewind reel with latching mechanism to maintain air supply to the railcar in the event of car movement.
- An Air Control Assembly designed to supply the proper amount of clean, pressurized air or nitrogen to the hose reel.
- An Air Receiver Assembly to allow the UniPro™ System to function even if power or air pressure is lost. The unit can be designed to accommodate up to two railcars per assembly.

### For More Information

Information is available on the full line of Powell Valve Closure Systems. To obtain literature, engineering drawings, and free videotape or CD contact your local representative.



# Powell

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