



RAILCAR



HIGH TORQUE



PNEUMATIC

UniPro™ R Valve Closure System

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



Avoid operator injury, lengthy and expensive environmental cleanups, and production slowdowns by stopping dangerous chemical leaks with the UniPro™ R Valve Closure System. It is engineered to be versatile, efficient, and reliable. The UniPro™ R is the only reversible emergency valve closure technology designed for ISO containers to 90-ton railcars.

The aircraft-quality aluminum, high-grade carbon and stainless steels make 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.

This system is designed to stand alone or to integrate with existing transfer system components. It includes the actuator, control panel, air control unit, motion detection system, and air supply hose. Whatever your application, we can provide an emergency valve closure system to suit your needs.

Advantages



Reversible

Versatile UniPro™ design reversible feature which, easily opens closed valves with just a pull of a lever.



Easy to Install

Mounts to the dome in seconds, without tools. Can facilitate manual valve operation without detaching from the dome.



Adaptable

Designed for high torque valves with various hand wheel designs.

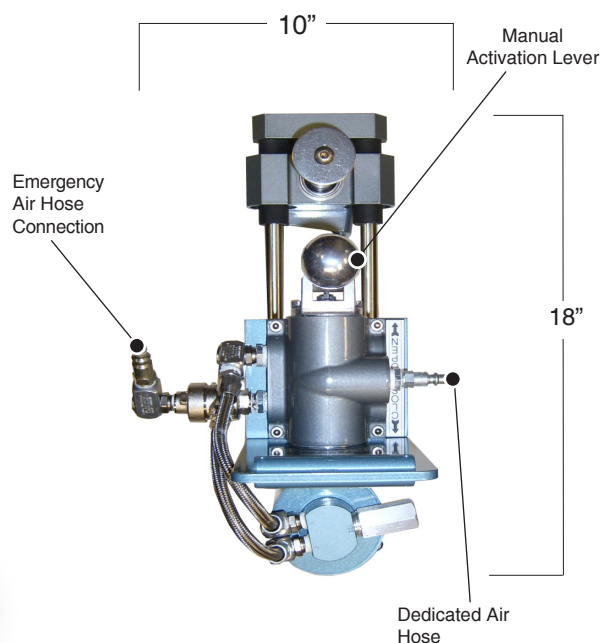
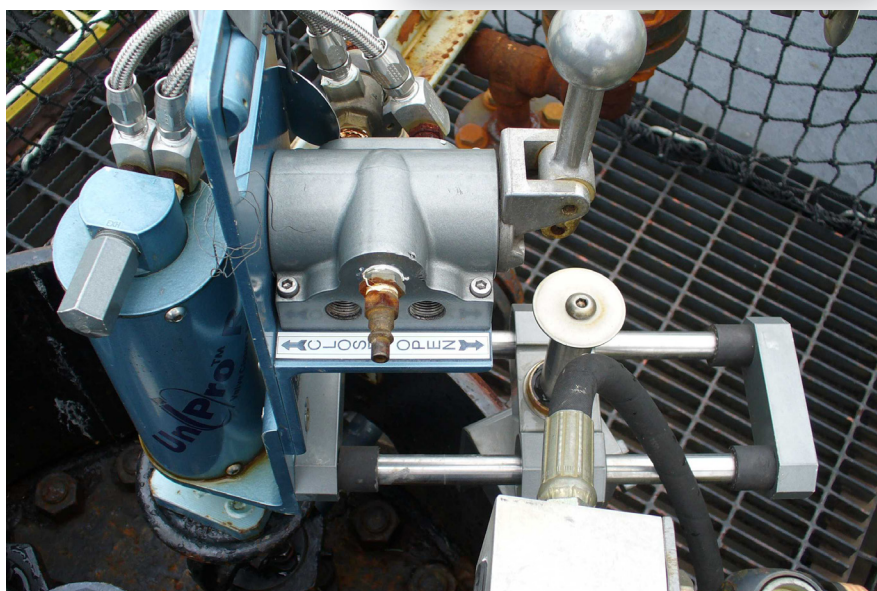
System Components

- Automatically activates when the following events occur:
 - Gas leak
 - Container movement
 - Fire alarm
 - Seismic activity
 - Security breach
 - Process shutdown, or other monitored condition
- Manually activate the system through Remote E-stop
- Listed by Underwriters Laboratory to UL508A & cUL
- Requires 110/120VAC power supply
- Custom & explosion proof panels available

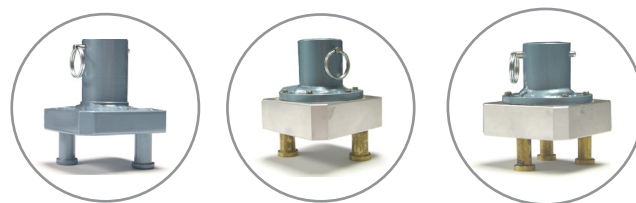
Control Panel

- Supplies the proper amount of clean pressurized air/nitrogen
- Includes purge to limit the impact of fugitive vapors
- Pre-assembled for easy installation
- Equipped with filter to improve air/nitrogen quality
- Available in various designs
- Simultaneously operates up to 3 UniPro™ R actuators
- Custom & explosive units available with 110 volt VAC or 24VDC solenoids

Air Control Unit



Adapters



- Closes valves with 120 lb-ft of torque in less than 10 seconds
- Requires 90 psig compressed air/nitrogen
- Requires two supply lines with different fittings
- Lightweight for ease of operator handling
- Designed to close a variety of high torque, plug-type angle valves
- Various valve adapters easily attach/detach
- Ideal for applications where air or nitrogen are readily available
- Automatically actuates if AC power or air/nitrogen pressure is lost
- Robust motor requires minimal lubrication
- Designed in accordance with The Chlorine Institute's guidelines
- Field tested to ensure reliable performance