

## Three Dome Railroad Tank Car Training Simulator

### Description:

This training prop replicates typical access, elevation and working space around three types of Railroad Tank Car Domes including one Chlorine Dome, one Pressure Dome and one General Service Dome. The Chlorine & Pressure Domes are plumbed to provide liquid line, vapor line and safety relief valve leaks. Leaks are from vibration opening of a valve, a valve loose in its mount, and failed safety relief valves. The General Service Dome is plumbed to leak from a liquid valve.

This prop requires a user provided source for water and compressed air. A standard household water hose connection and quick disconnect air hose connection are provided. Visible vapor leaks are simulated by mixing air and water. The water source, air compressor, and hoses are user provided. The Simulator ships fully assembled and may be off-loaded onto a concrete or gravel pad and be fully operational within minutes. Weighing a fraction of an actual rail car, this unit is easily transported on standard lowboy trailer.

This prop meets California Title 19, Section 2560 Field Training Facility requirements.



HIGH PRESSURE DOME



3 DOME RAILROAD TANK CAR TRAINING SIMULATOR

### Training Modes & Remediations:

#### CHLORINE DOME:

Valve open from vibration - Close valve to mitigate  
Valve mount loose - Tighten mounting nuts or cap with C-Kit  
Pressure relief valve leak - Cap with C-Kit  
Vapor pressure may be measured from the Chlorine Dome valve

#### GENERAL SERVICE DOME:

Liquid valve leak (valve disabled) - Plug valve to mitigate

#### HIGH PRESSURE DOME:

Valve open from vibration - Close valve to mitigate  
Valve mount loose - Tighten mounting nuts or cap with Midland Kit  
Pressure relief valve leak - Cap with Midland Kit  
Liquid level gauge may be read on the High Pressure Dome