

PIPING SYSTEM WITH ALL REQUIRED LEAKS

Description:

This training prop consists of an array of steel pipes and valves ranging in size from 3/4 to 12 inches mounted on an 10 x 20 foot platform. A water input and control manifold is located at one end of the platform in an open steel box. The platform is decked with aluminum diamond plate and fitted with fork lift pockets. This prop ships fully assembled and may be off-loaded onto a concrete or gravel pad and be fully operational within minutes.

Various valve, flange, weld and thread failures as well as cracked and sheared pipes may be selected and controlled for training exercises at the input manifold. All leaks in large pipes are plumbed to isolated sections with smaller pipe to minimize water and drainage requirements. The serpentine piping array provides realistic access and work space challenges. Water may be supplied from a pumper truck or fixed utility.

This prop meets California Title 19, Section 2560-a.1.K Field Training Facility requirements.



PUMPER FED CONTROL VALVE MANIFOLD AND PIPING ARRAY



VALVE CAP LEAK EXERCISE

Training Modes & Remediations:

12 inch cracked pipe	Close 12 inch valve or use external device to seal leak.
8 inch leaking flange #1	Close correct valve or tighten flange bolts.
8 inch leaking flange #2	Close correct valve or tighten flange bolts.
6 inch cracked pipe	Close correct valve.
6 inch leaking valve at cap	Close correct valve or tighten valve cap bolts.
4 inch leaking valve (not repairable)	Close correct valve.
2 inch sheared horizontal pipe	Use external clamp or repair device.
2 inch leaking pipe elbow threads	Use external clamp or repair device.
3/4 inch sheared horizontal pipe	Use external clamp or repair device.
3/4 inch leaking pipe elbow threads	Use external clamp or repair device.