

## H-PPST-1A Piping/Pipefitters System Trainer

### Purpose

The Hampden **Model H-PPST-1A** Piping/Pipefitters System Trainer provides the student with a hands on trainer for piping. The student will learn the necessary methods of connecting and running metal/iron piping, plastic piping, copper tubing, and PEX-B pipe. Each material has its own particular methods used in plumbing.

### Description

The Hampden **Model H-PPST-1A** Piping/Pipefitters System Trainer consists of a frame that students use to mount and run pipes, valves, and other components. Once the piping is complete, the system will be tested by allowing water to be pumped through it. The student will learn how to make the necessary connections, depending on the type of material that the pipe is made from.

### Specifications

#### Mobile Frame

2" square mechanical steel tubing finished in instrument tan texture enamel. Provided with four (4) swivel casters, two (2) with brakes.

#### Pump

- ½ HP, 115VAC @ 8.4 amps F.L.
- 10 gpm @ 42 ft. of head

#### Tank

- 30 gal. heavy duty polyethylene
- 18"H x 24"W x 18"D



**Hampden Model H-PPST-1A**  
Dimensions: 6'H x 7'W x 2'D Shipping Weight: 800 lbs.

#### Piping

- 5' x 1" Copper (8)
- 5' x 1" Galvanized (3)
- 5' x 1" Schedule 40 PVC (8)
- 1-½" PVC Tubing, reinforced, clear (drain line)
- 50' x 1" Blue PEX-B Pipe

#### Valves

- Slone Valve, 2 way
- Gate Valve
- Ball Valves (4: 2 mounted, 2 loose)
- Check Valve



Two typical experimental configurations for the H-PPST-1A.

#### Tool Box

- 3/8" to 1" PEX tool
- Fittings (elbows, adapters)
- Connectors (tees, flanges)
- Clamps
- Teflon tape
- PVC Primer
- PVC Cement
- Unions – PVC (4), brass (2), galvanized (1)
- Gaskets (4)
- Miscellaneous parts
- Piping Systems Manual
- PEX clamp tool

#### Flow Meter

- Brass cold-water totalizer 1–50 GPM
- Pressure gauge - 0 – 100 PSI

#### Protection

Main ground fault interrupter circuit breaker

#### Service Required

120VAC-1Ø-60Hz - 15A

All Hampden units are available for operation at any voltage or frequency



**Hampden**  
ENGINEERING CORPORATION