

Water Injection Training Prop

Training brought to you

Updated: Sunday, January 21, 2018



Our mobile training prop provides multiple training opportunities including:

Bobtail simulator prop

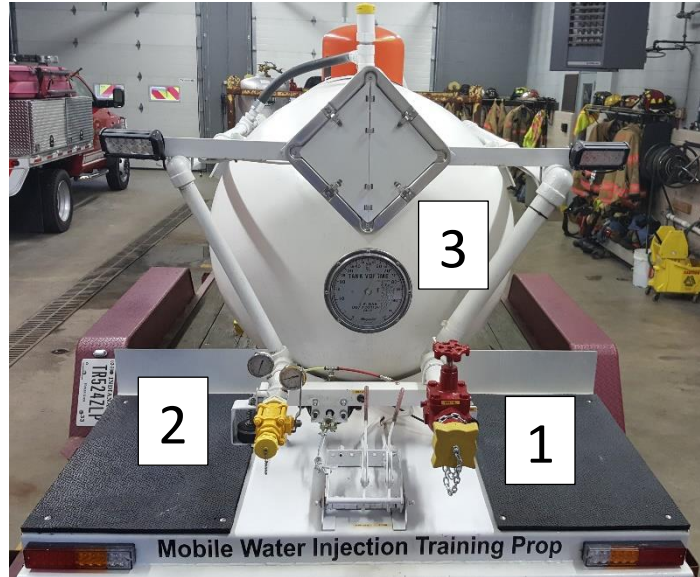
- Water injection (Spray Fill)
 - Dual liquid leak options
 - 1 ¼' and 2" internal
- Vapor out
 - Excess flow valve training
 - Flaring
- Bobtail Tank volume
 - Horizontal liquid level gauge
 - Roto-Gauge
- Emergency shutoff control options

Residential tank prop

- Multivalve
 - POL
 - Vapor connection (1-1/4" ACME vapor return)
 - Liquid fill (1-3/4" Double-Check Fill Valve)
 - Liquid level (spit tube)
 - Vertical liquid level gauge
 - Pressure gauge
 - ¾ inch NPT liquid out (plugged) w/excess flow
- Two liquid withdrawal options
 - Top (1-3/4" Double-Check Fill Valve)
 - Bottom (1-3/4" Double-Check Fill Valve)

Bobtail simulator prop

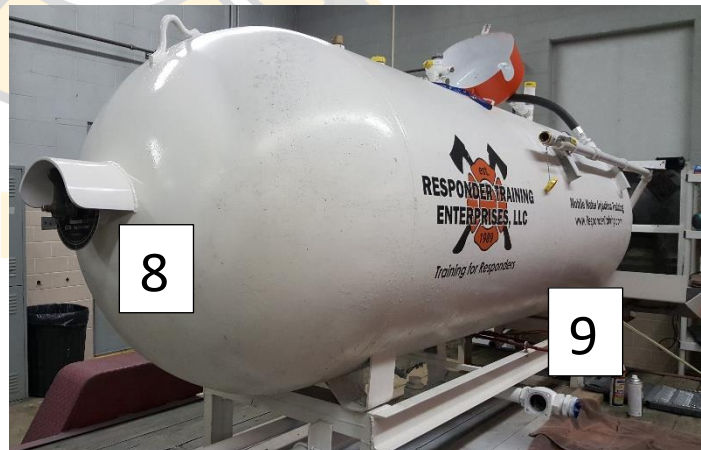
- Water injection (Spray Fill) [1]
- Vapor out [2]
 - Excess flow valve training
 - Flaring
 - Tank pressure
- Bobtail Tank volume (horizontal liquid level gauge) [3]



- Emergency shutoff controls [4] 1-1/4" drain [5]
- Liquid leak options [6]
 - 1 1/4" and 2" internal
- 1-3/4" Double-Check Fill Valve [7]



- Roto-Gauge [8]
- MC331 Transport piping [9]



- Pneumatic Valve/Emergency Control

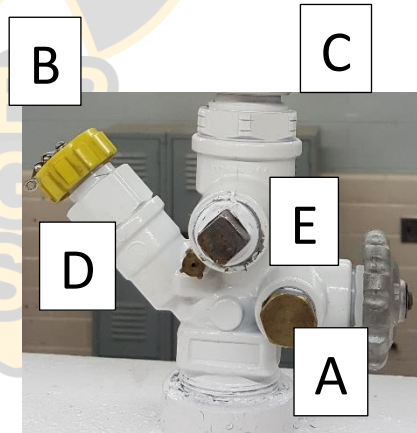


Residential Tank prop

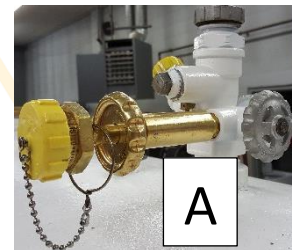


Multivalve

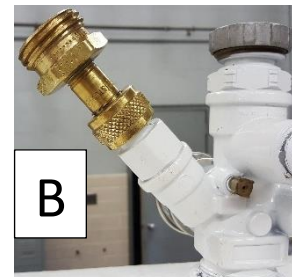
- POL with shut off valve [A]
- Vapor connection (1-1/4" ACME vapor return) [B]
- Liquid fill (1-3/4" Double-Check Fill Valve) [C]
- Liquid level (spit tube) [D]
- Pressure gauge
- Liquid port (E)



POL (Prest-O-Lite) port
Adapter connected. Valve in closed position



Vapor connection [B]
1-1/4" ACME vapor return connector (#ME 141)



Liquid fill connector [C]

- The 1 3/4" ACME male hose connection of the Multivalve is used to fill the tank.



Liquid fill connector [F]

- The #3121 threads directly onto the 1 3/4" ACME male hose connection of the Multivalve.

Unloading adapters can be used to withdraw vapor or liquid provided the container is equipped with a dip pipe extending from the filler valve to the bottom of the container (this prop does NOT have a liquid withdrawal pipe in this location).



Liquid fill and Vapor Out

Double-Check Fill Valve, L7579 Fill/Vapor withdrawal Top of tank

- Double back check provides added system protection.
- Both checks are spring actuated for quick, precise closure when flow into the valve stops or reverses.
- This training prop uses the L7579 as a liquid fill and vapor out adapter on the top of the tank.



Unloading adapter #3119A - Threads directly onto the 1 3/4" ACME male hose connection of the L7579

The unloading adapter can be used to withdraw vapor or liquid provided the container is equipped with a dip pipe extending from the filler valve to the bottom of the container (this prop does NOT have a liquid withdrawal pipe in this location).



Unloading adapter #3121

Threads directly onto the 1 3/4" ACME male hose connection of the L7579

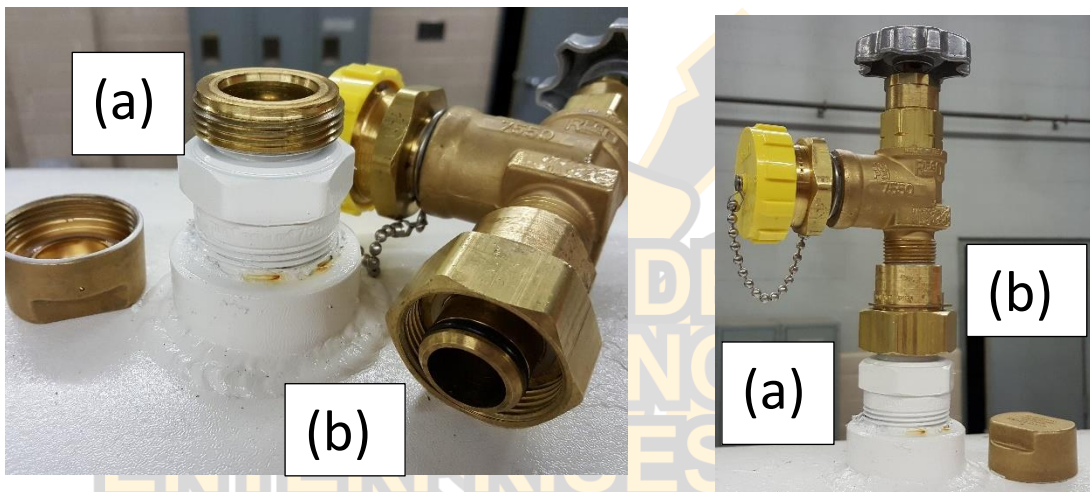
The unloading adapter can be used to withdraw vapor or liquid provided the container is equipped with a dip pipe extending from the filler valve to the bottom of the container (this prop does NOT have a liquid withdrawal pipe in this location).



Liquid Withdrawal

Top of tank

- 7579U Chek-Lok® Excess Flow Valve (a) requires a Rego 7590U-10 adapter (b).
- Chek-Lok® Excess Flow Valves do not use ACME thread.
- The 7590U and 7591U Chek-Loks® are also designed for use on permanent installations provided the excess flow valve is sized properly for the system and piping.
- **The unloading adapter can be used to withdraw vapor or liquid provided the container is equipped with a dip pipe extending from the filler valve to the bottom of the container (this prop does have a liquid withdrawal pipe in this location).**
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Bottom of tank

Double-Check Fill Valve, L7579 Fill/Vapor withdrawal

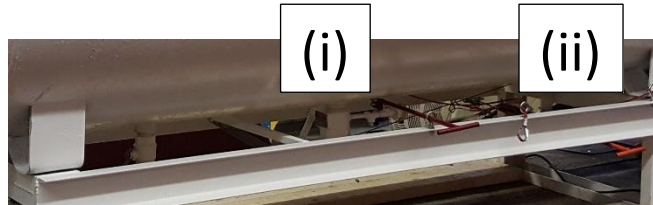
Top of tank

- Double back check provides added system protection.
- Both checks are spring actuated for quick, precise closure when flow into the valve stops or reverses.
- The unloading adapter is used to withdraw liquid from the bottom of the container.



Liquid leak options

Two options exist under the tank in the form of cable operated internal valves. Each internal has a ball valve the provides remote shutoff control options. A 1-3/4 inch male ACME connection is used to attach leak orifice that will provide the leak volume.



- i. 2-inch internal valve
- ii. 1-1/4 inch internal valve

(i) and (ii) both have emergency shut off cables connections on both sides of the prop



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Leak Mitigation Using Water Injection

Course length: 8 hours

Single or multiple days

Contact us to schedule this training tool for your personnel.

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