



# Dispensing Propane Safely

## Dispensing Station Equipment



# Learn about your dispenser



Scale

Valves

Hose

Meter

# Dispensing Station Equipment: Small Cylinder



# Dispenser Components

## Scale:

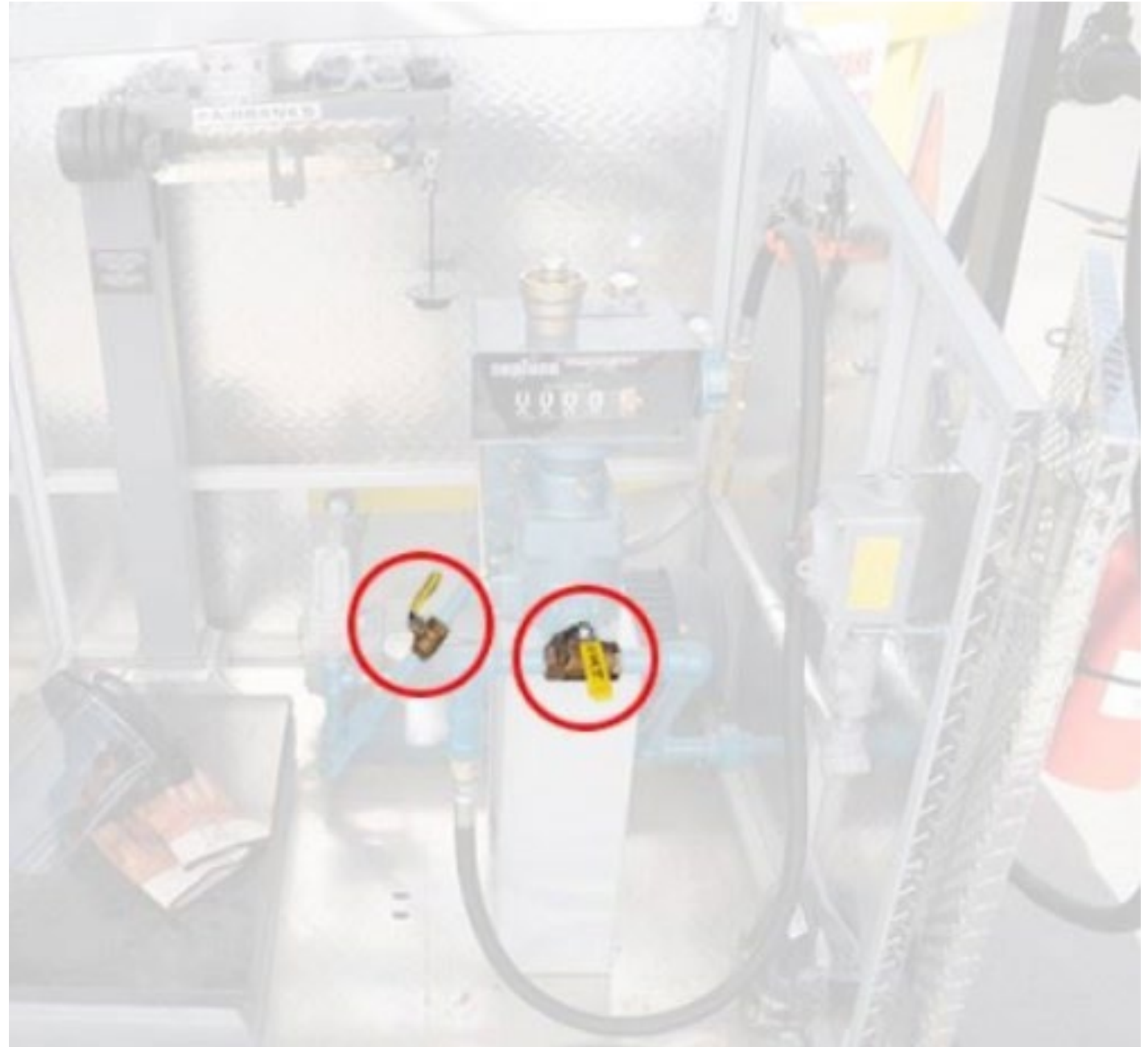
Used to weigh the cylinder and assembly, to assure the correct amount of propane is distributed.



# Dispenser Components

## Valves:

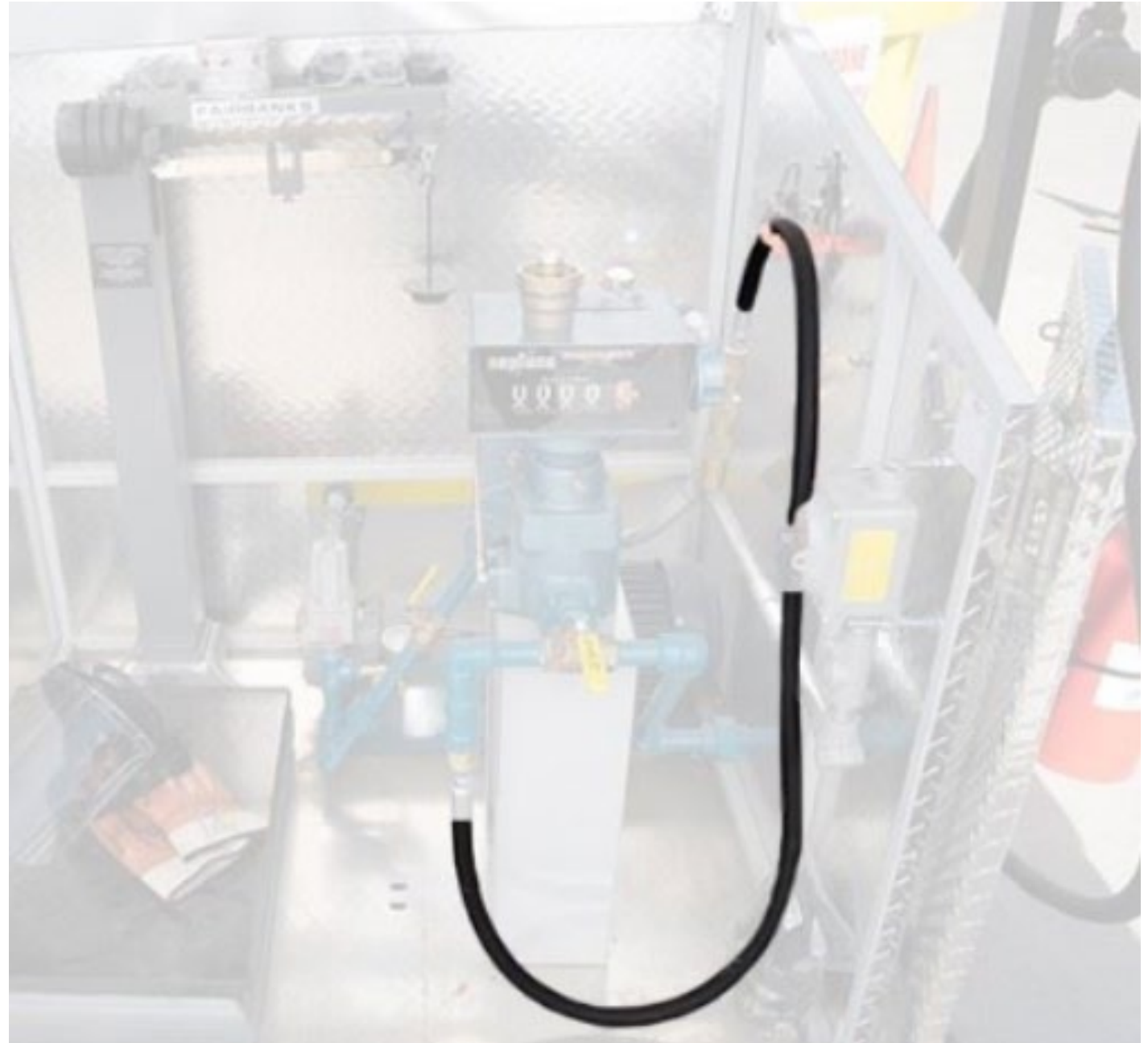
Control the passage of propane from the dispensing station to the cylinder.



# Dispenser Components

## Hose:

Provides secure, gas-tight and flexible connection between the dispensing station and the cylinder.



# Dispenser Components

## Meter:

A device that measures the quantity of liquid propane that flows through it when dispensing propane.



# Dispenser Components

## Pump:

A device that moves liquid propane from one container to another.





# Dispenser Components

## Main Internal Liquid Outlet Valve:

A valve installed in the liquid outlet of the propane dispenser tank and serves as the primary shutoff valve. This valve is controlled remotely with some type of operator or actuator.



# Dispenser Components

## Liquid Flow Control Valves – manual and hose-end:

A manual valve and the hose-end valve basically serve the same purpose which is to start and stop the flow of propane by a person manually opening or closing it.



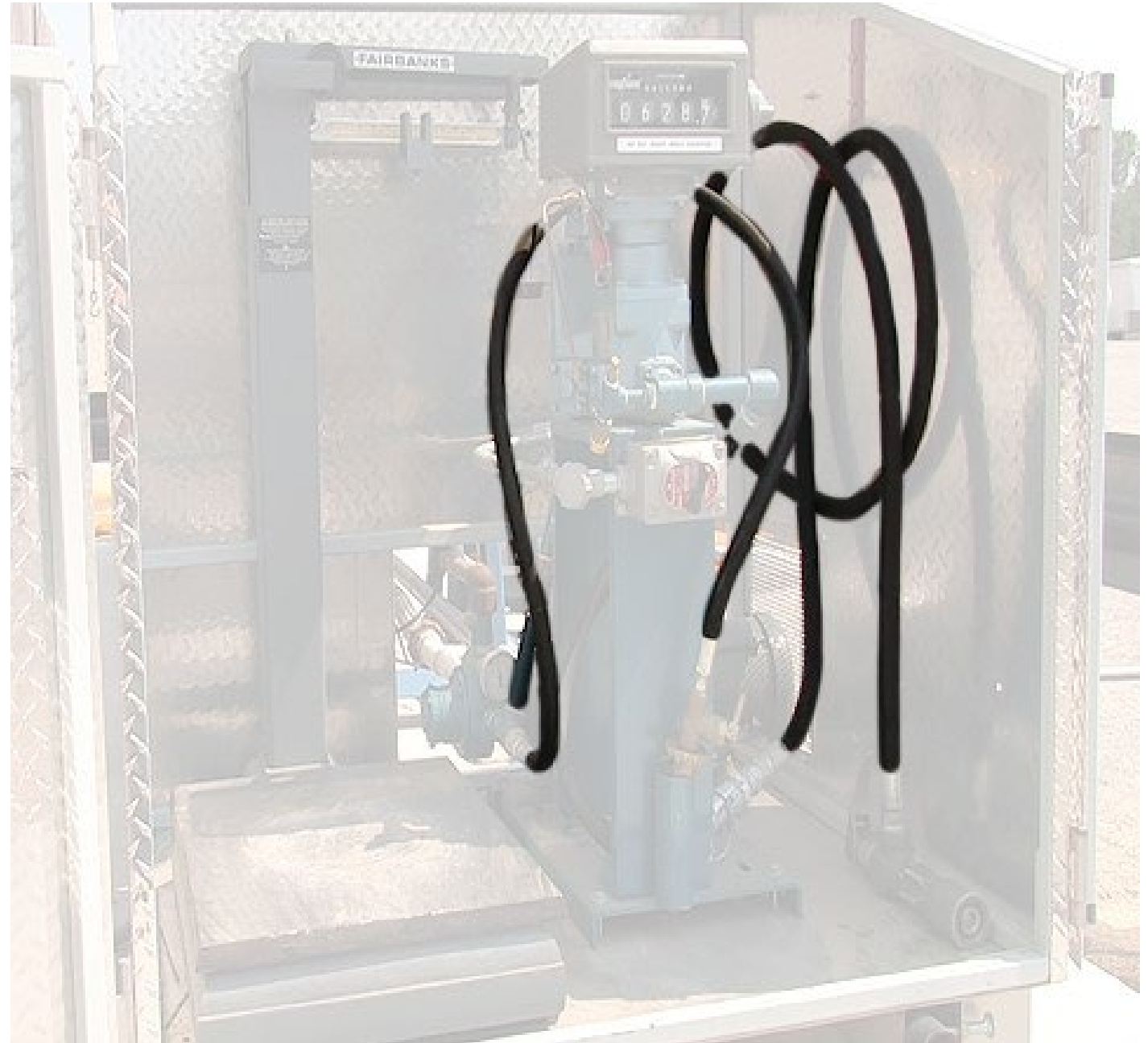
# Small Cylinder, Motorhome/A SME Tank and Autogas



# Dispenser Components

## Hose:

Provides secure, gas-tight and flexible connection between the dispensing station and the cylinder.



# Dispenser Components

## Breakaway Device:

A safety device that is designed to separate and stop the flow of propane from leaking into the atmosphere, if a vehicle pulls away from the dispenser with the hose still connected.

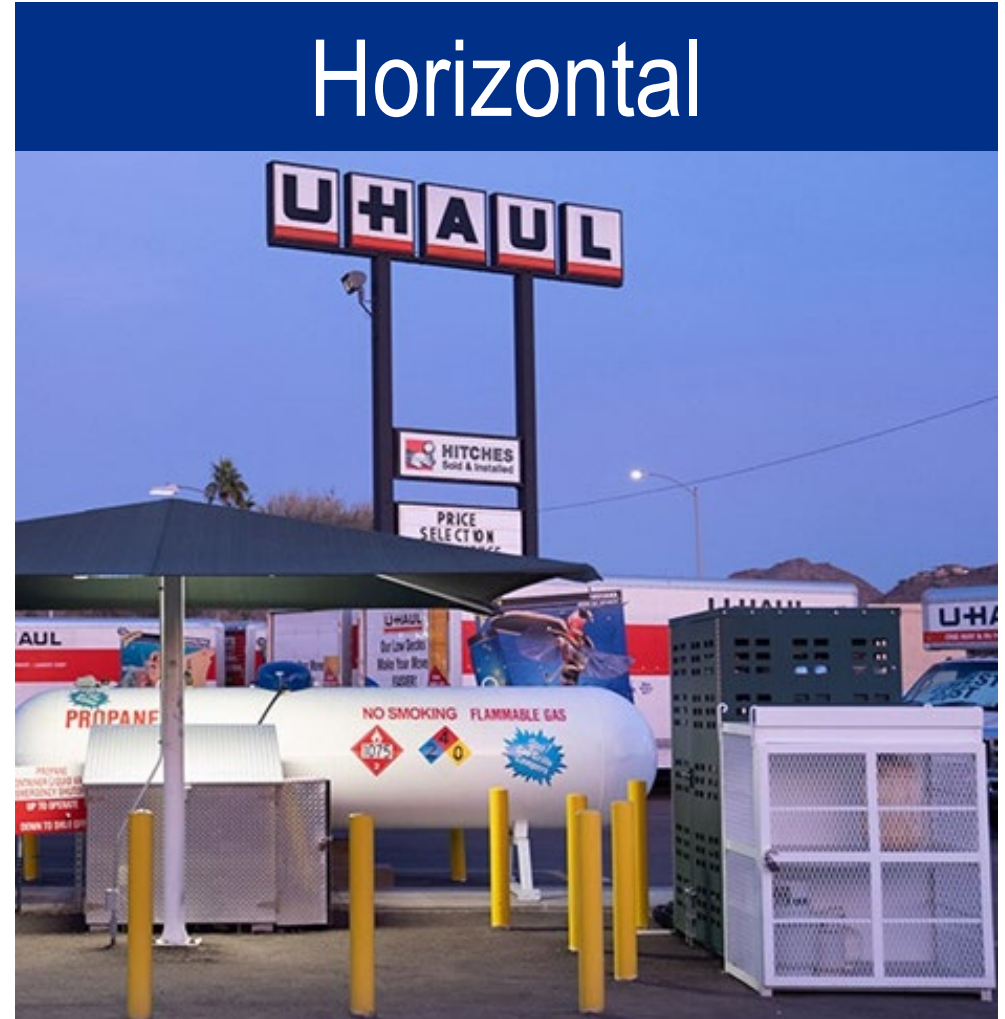


# Types of Tanks

## Vertical



## Horizontal





**Review: Take the Quiz**



# Multiple Choice

Most propane dispensers include a(n) \_\_\_\_\_ that supplies the liquid propane to the dispensing equipment.

- ASME storage tank
- metering system
- breakaway device
- platform scale

# Multiple Choice

Most propane dispensers include a(n) \_\_\_\_\_ that supplies the liquid propane to the dispensing equipment.

ASME storage tank

metering system

breakaway device

platform scale

# Multiple Choice

The two common types of propane dispensing set-ups include horizontal tank dispensers and \_\_\_\_\_.

- underground tank dispensers
- vertical tank dispensers
- mobile tank dispensers
- round tank dispensers

# Multiple Choice

The two common types of propane dispensing set-ups include horizontal tank dispensers and \_\_\_\_\_.

underground tank dispensers

vertical tank dispensers

mobile tank dispensers

round tank dispensers

# Multiple Choice

**Most dispensers have a(n) \_\_\_\_\_ to stop the flow of propane in an emergency.**

- shutdown system
- alarm
- OPD (overflow protection device)
- hose-end valve

# Multiple Choice

**Most dispensers have a(n) \_\_\_\_\_ to stop the flow of propane in an emergency.**

shutdown system

alarm

OPD (overflow protection device)

hose-end valve

# Multiple Choice

The \_\_\_\_\_ control the flow of propane through the piping system of a dispenser.

plugs

gears

valves

meters

# Multiple Choice

The \_\_\_\_\_ control the flow of propane through the piping system of a dispenser.

plugs

gears

valves

meters



# Multiple Choice

**When the operator is not in attendance, the dispenser should be \_\_\_\_\_.**

- maintained and lubricated
- shut down and secured
- calibrated and cleaned
- opened to the public

# Multiple Choice

**When the operator is not in attendance, the dispenser should be \_\_\_\_\_.**

maintained and lubricated

shut down and secured

calibrated and cleaned

opened to the public