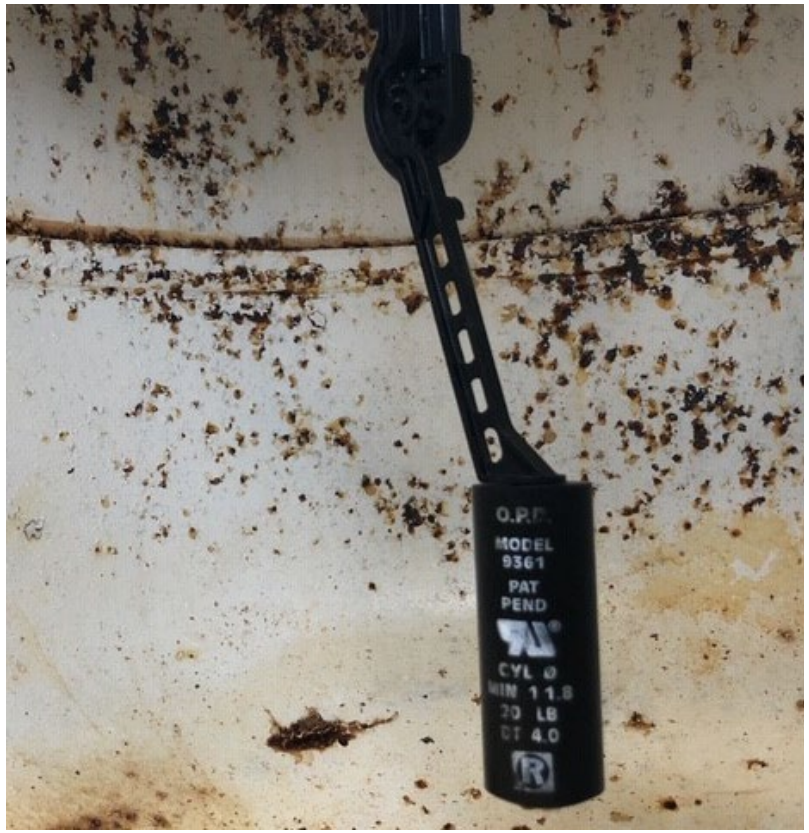
PROPANE
CLEAN AMERICAN ENERGY®

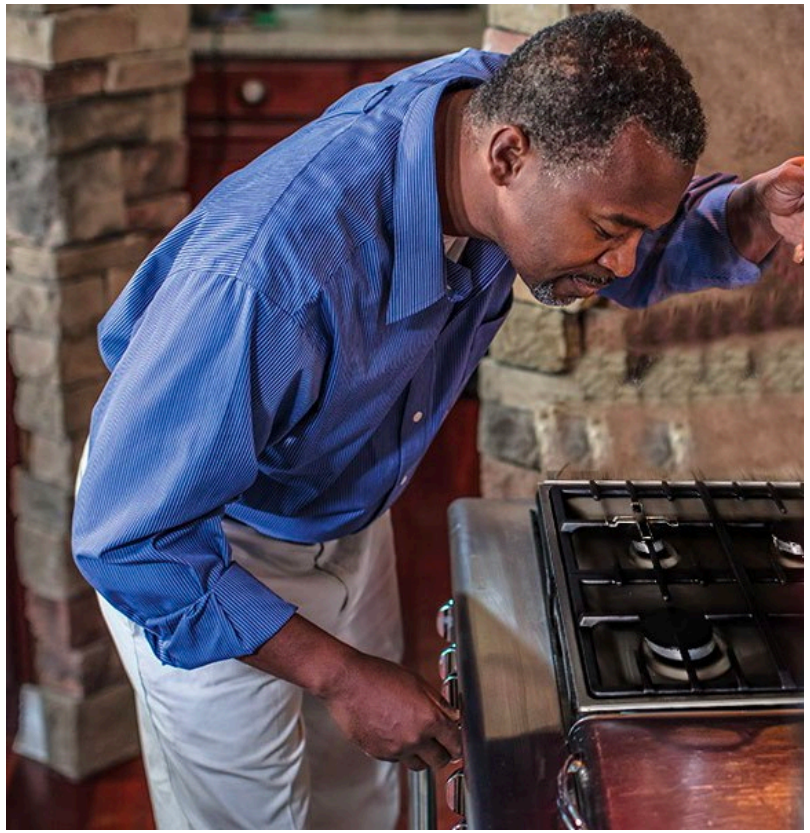
Dispensing Propane Safely

Purging New Cylinders

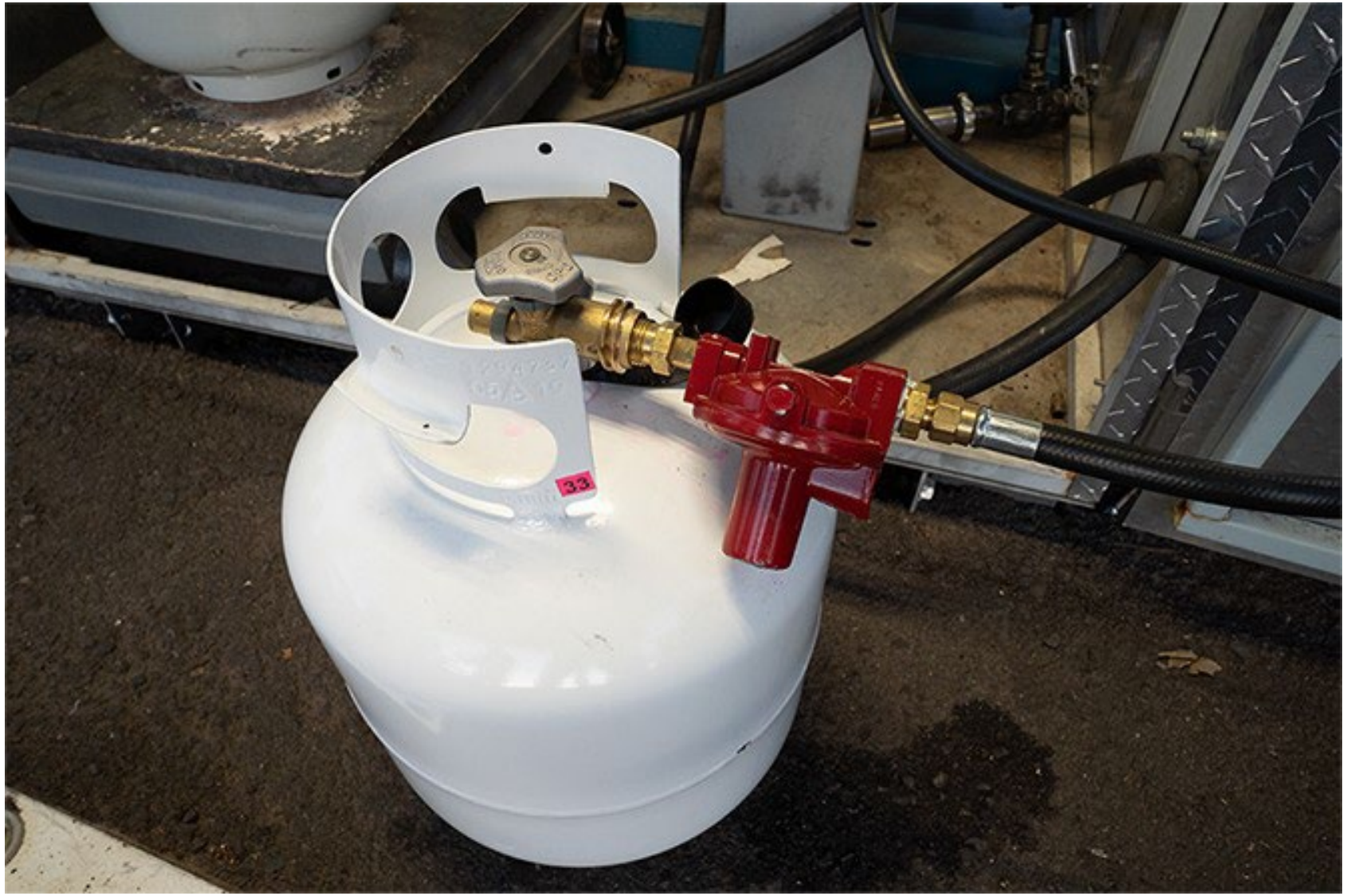
PROPANE EDUCATION & RESEARCH COUNCIL

Why Purge?

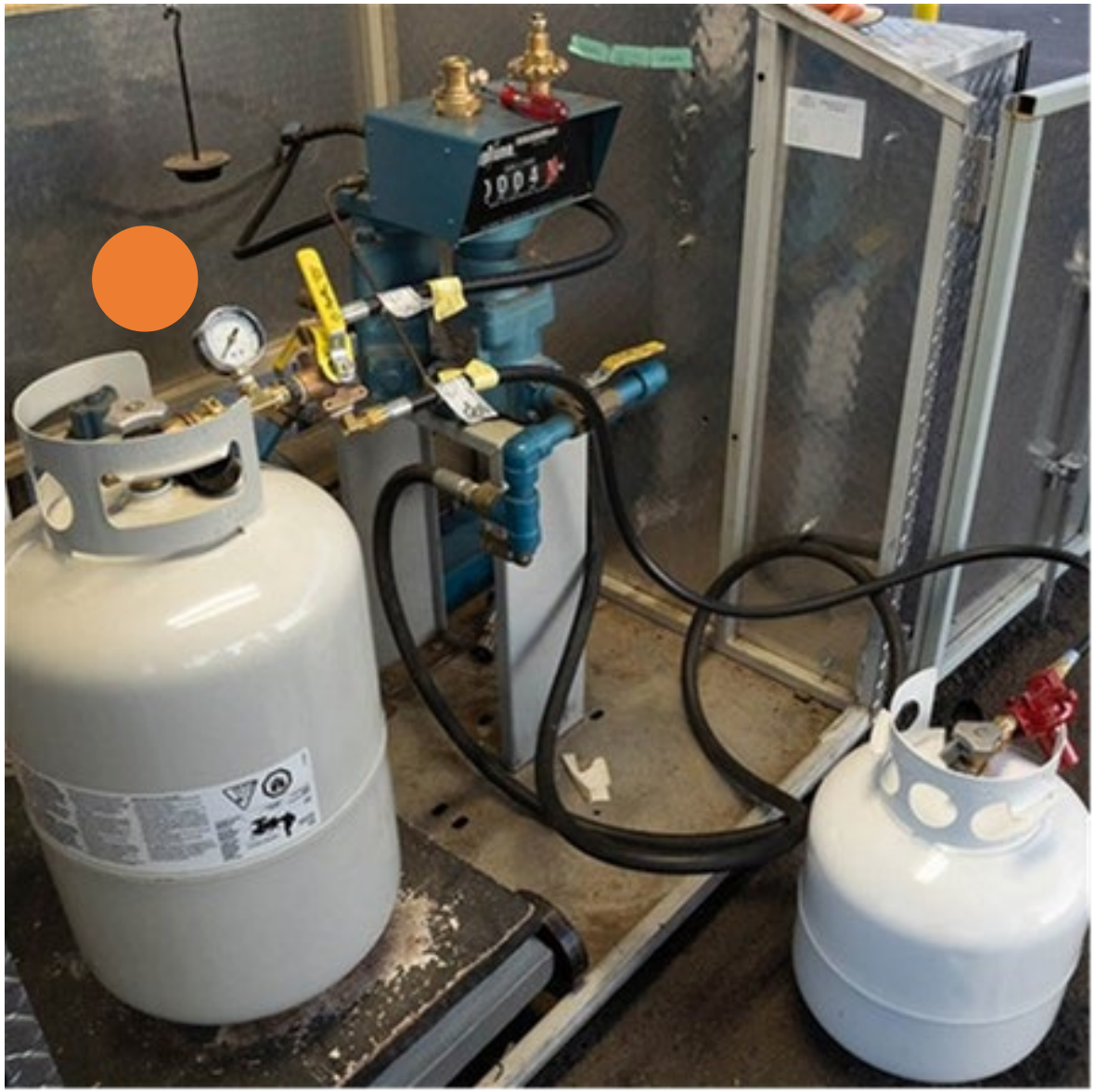




Propane Vapor for Purging



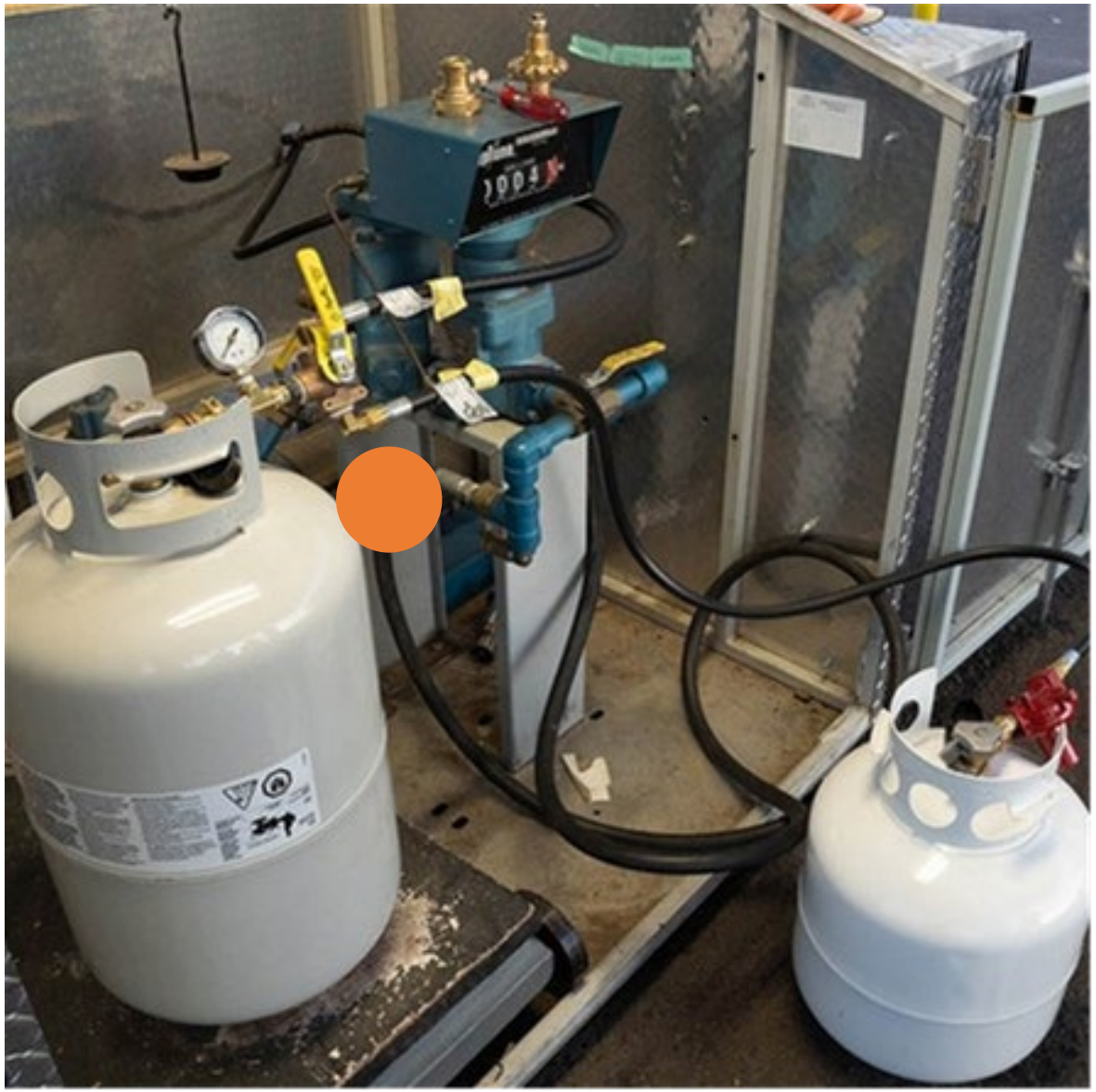
Purge System



Gauge:

A device used to display the actual gas pressure in the system during the purging process.

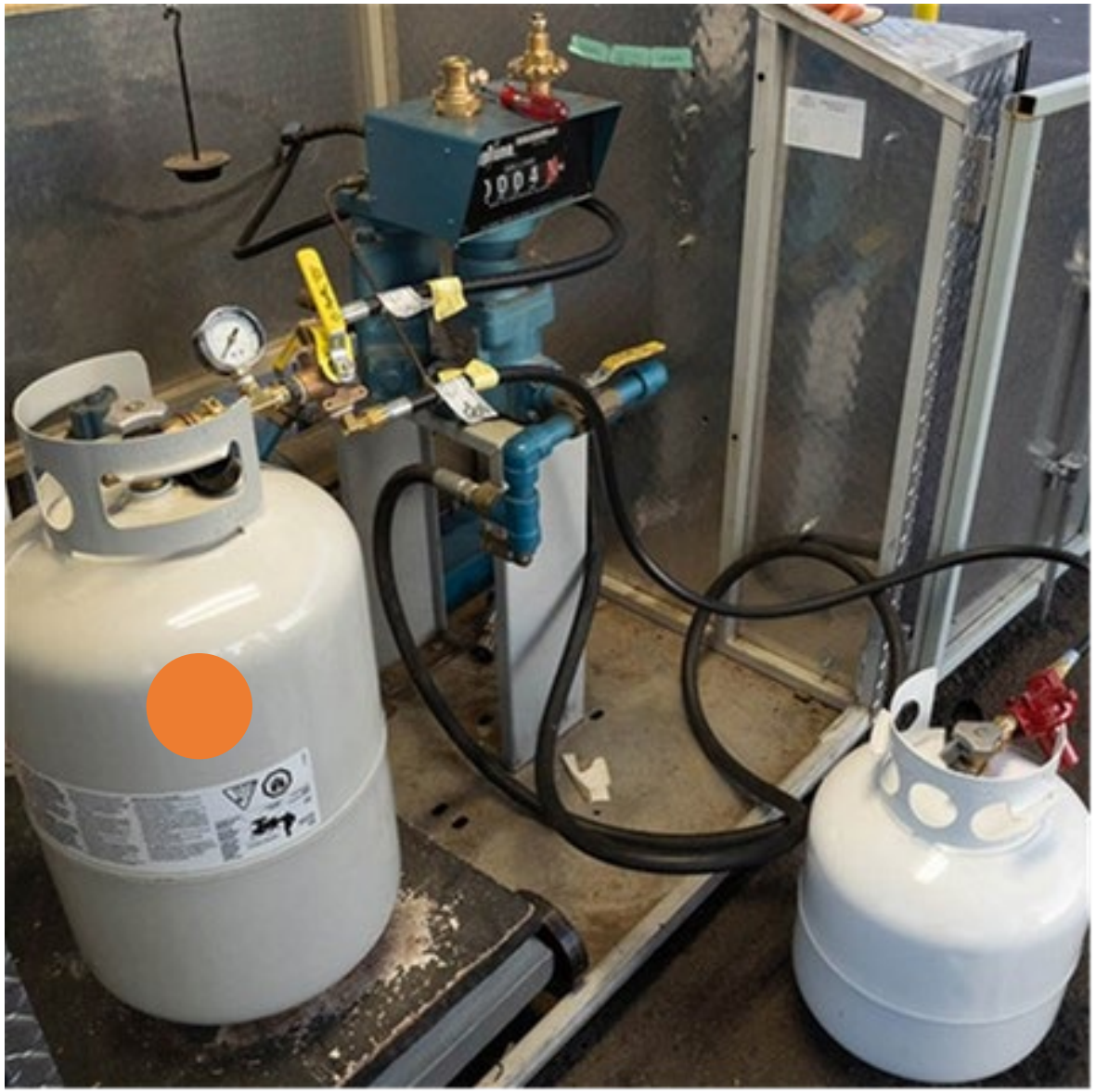
Purge System



Valve:

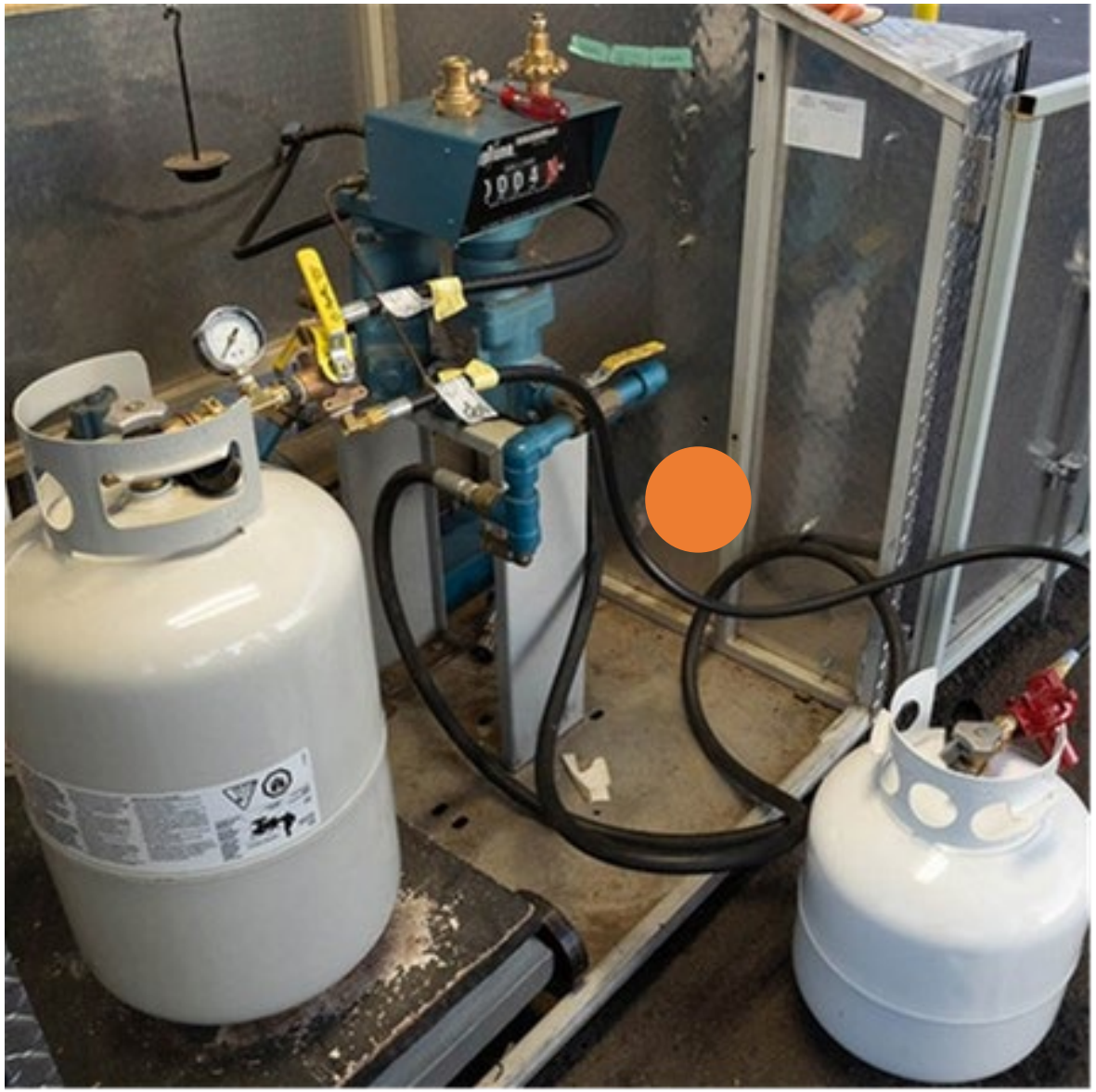
Utilized to control the flow and path of the propane vapor into the cylinder, as well as the propane vapor and air that is being purged out of the cylinder.

Purge System



Cylinder being purged:
This cylinder is empty and is being purged.

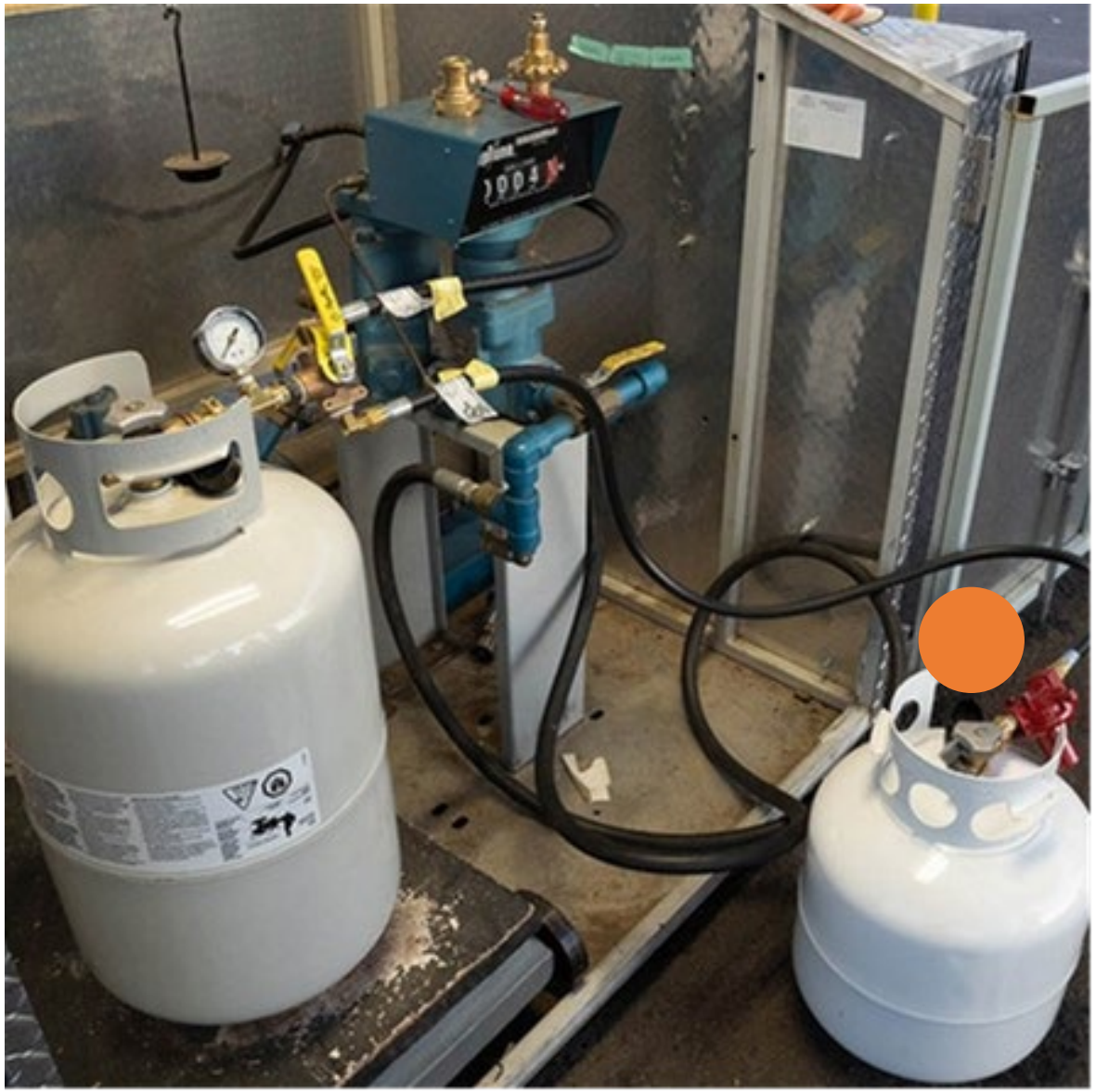
Purge System



Hose:

Used to connect the propane vapor source to the cylinder being purged to flow propane vapor through.

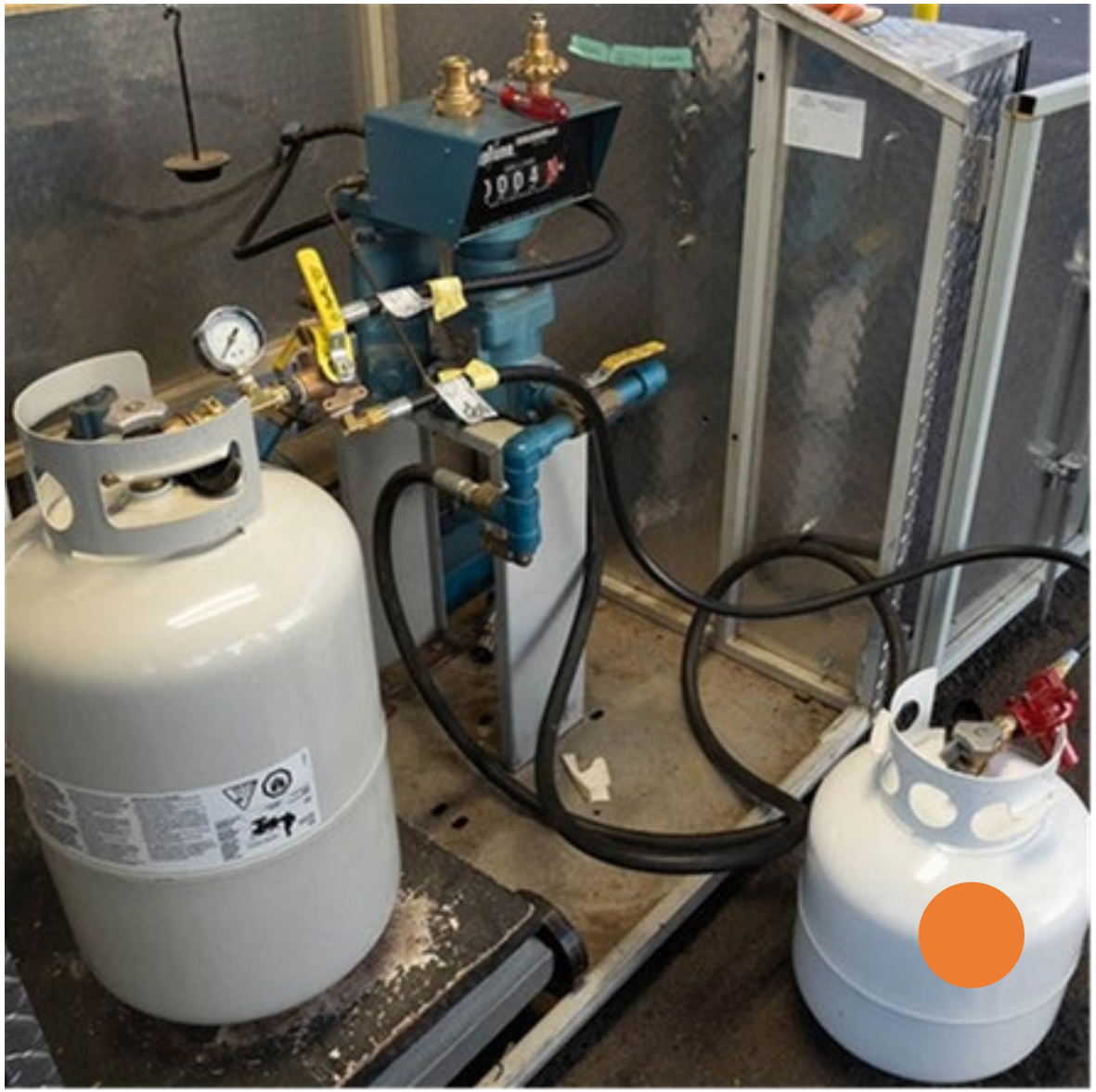
Purge System



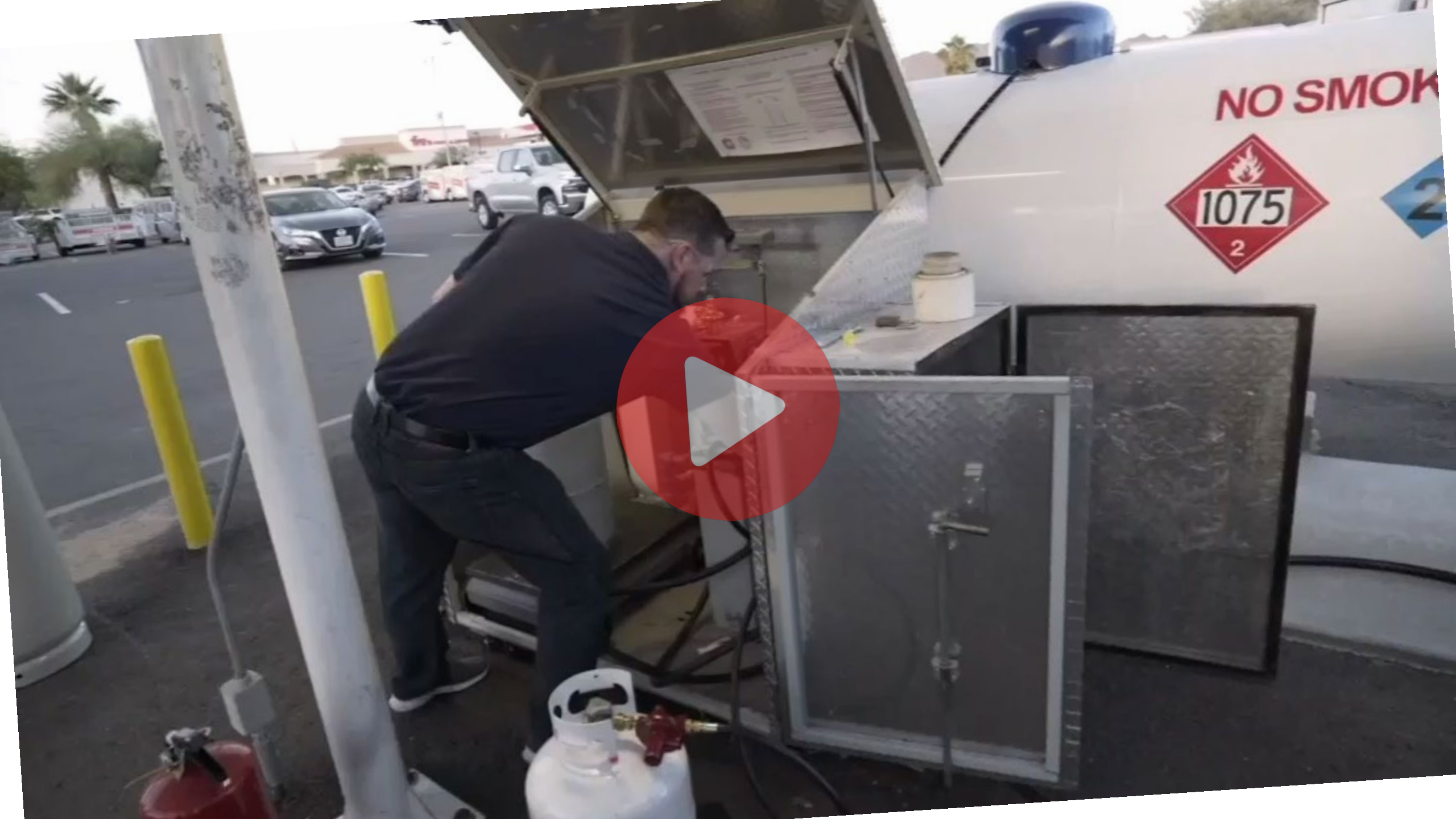
Regulator:

A device used to control the amount of pressure used to purge a cylinder.

Purge System

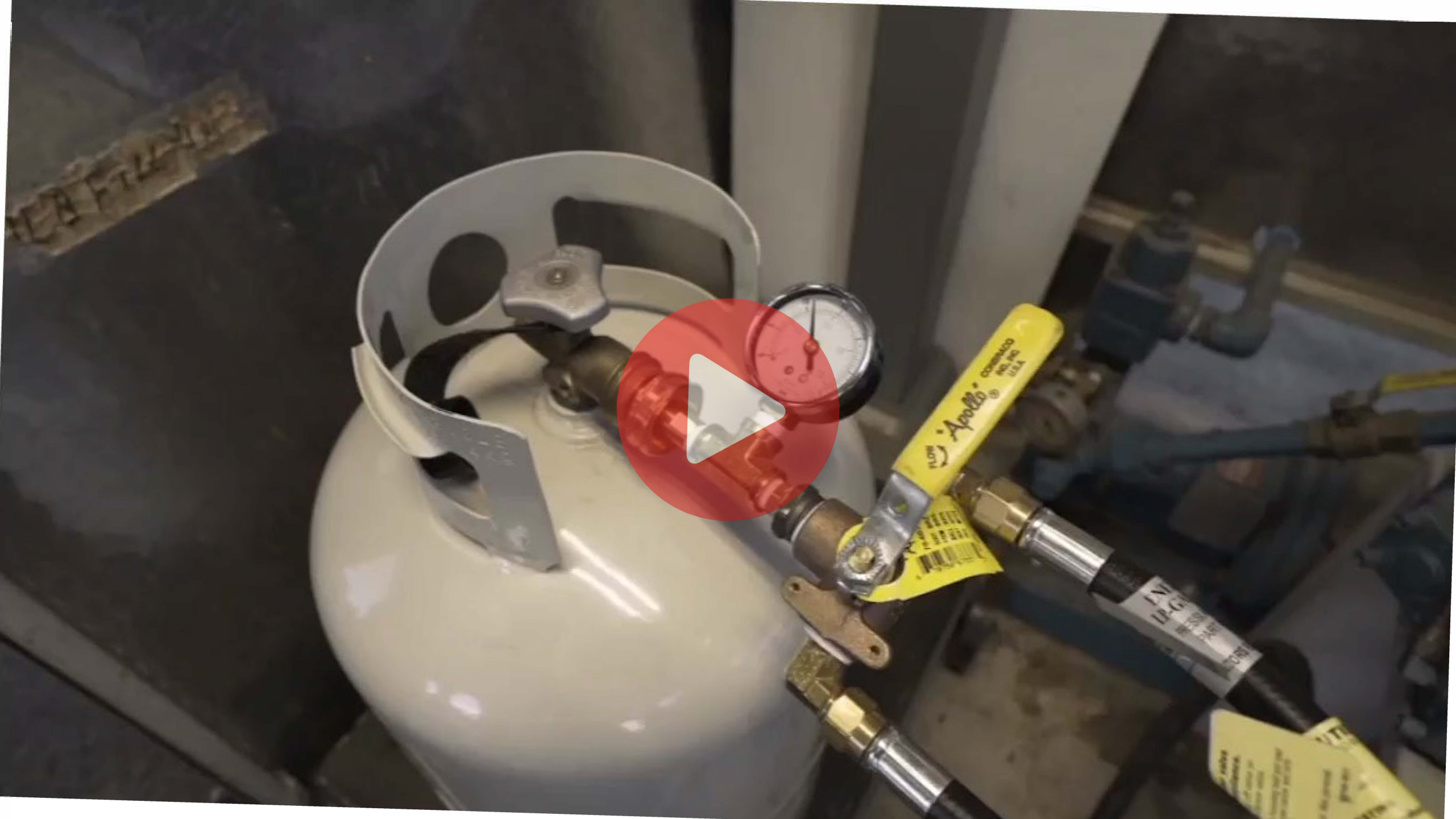


Full Cylinder:
This cylinder is full and is supplying the vapor service to purge the other cylinder.


NO SMOK
1075
2

Repeat the purging process

The purging process must be completed a total of 5 times to be sure that 97% or more of the air has been purged from the cylinder.


Apollo

Filling a Cylinder

The cylinder is now ready to be filled. Complete the necessary training modules to learn how to fill a cylinder.

Review: Take the Quiz

Multiple Choice

Why would you need to purge a cylinder?

Select ALL that apply.

- ❑ The cylinder was not purged by the manufacturer.
- ❑ The cylinder was opened to the atmosphere.
- ❑ The cylinder is being refilled.

Multiple Choice

Why would you need to purge a cylinder?

Select ALL that apply.

☑ The cylinder was not purged by the manufacturer.

☑ The cylinder was opened to the atmosphere.

❑ The cylinder is being refilled.

Multiple Choice

What does it mean to purge a cylinder?

Select ALL that apply.

- ❑ Propane vapor is added to the cylinder.
- ❑ Moisture is removed from the cylinder.
- ❑ Moisture is added to the cylinder.
- ❑ Air is removed from the cylinder.

Multiple Choice

What does it mean to purge a cylinder?

Select ALL that apply.

☑ Propane vapor is added to the cylinder.

☑ Moisture is removed from the cylinder.

❑ Moisture is added to the cylinder.

☑ Air is removed from the cylinder.

Multiple Choice

What happens if a cylinder that has not been purged is used?

Select ALL that apply.

- ❑ Too much air will cause the appliance burners to work improperly.
- ❑ Too much air might make it so the appliance burner will not light.
- ❑ Too much air and moisture may cause propane to lose its smell.
- ❑ Too much air will cause the cylinder to corrode on the outside.

Multiple Choice

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Select ALL that apply.

☑ Too much air will cause the appliance burners to work improperly.

☑ Too much air might make it so the appliance burner will not light.

☑ Too much air and moisture may cause propane to lose its smell.

❑ Too much air will cause the cylinder to corrode on the outside.

Multiple Choice

What level of PSIG do you pressurize the cylinder to when purging?

- ❑ 10 PSIG
- ❑ 15 PSIG
- ❑ 25 PSIG
- ❑ 50 PSIG

Multiple Choice

What level of PSIG do you pressurize the cylinder to when purging?

- ❑ 10 PSIG
- ☑ 15 PSIG
- ❑ 25 PSIG
- ❑ 50 PSIG

Multiple Choice

When venting the propane vapor during the purge cycles, what PSIG do you decrease toward?

- ❑ 0 PSIG
- ❑ 5 PSIG
- ❑ 15 PSIG
- ❑ 20 PSIG

Multiple Choice

When venting the propane vapor during the purge cycles, what PSIG do you decrease toward?

- ☑ 0 PSIG
- ❑ 5 PSIG
- ❑ 15 PSIG
- ❑ 20 PSIG

Multiple Choice

How many times do you need to complete the purging process?

- ❑ 3
- ❑ 5
- ❑ 7
- ❑ 9

Multiple Choice

How many times do you need to complete the purging process?

- ❑ 3
- ☑ 5
- ❑ 7
- ❑ 9