

EMPLOYEE TRAINING RECORD

TRAINING TITLE Propane Regulators, Cylinder Handling, and Connections

KEY TEACHING POINTS

The Regulator

- Propane in a cylinder reacts to changes in temperature. When the temperature drops, the pressure in the cylinder drops. When the temperature increases, the pressure increases. The regulator is designed to reduce the variance in pressure in the cylinder and maintain a constant pressure for delivery to an appliance.
- A regulator should always be installed with its vent opening pointing downwards. If this isn't possible, cover the regulator with a proper cover to prevent the entry of rain or other liquids. The cover will also prevent ice build-up over the vent opening during the winter.
- A plugged vent opening can cause excessive pressure resulting in high flames when the appliance is ignited.

How should cylinders be handled?

- Never refill a cylinder that is damaged, leaking or corroded.
- Never put a cylinder in place for use without making sure it is secure.
- Never put a propane cylinder in a closed vehicle. When transporting it, secure the cylinder in an upright position to prevent tipping. If transporting in the trunk, block the trunk lid open. If transporting within the passenger compartment, leave the windows open. In either case, a special plug should be threaded into the outlet of the service valve and remain in place whenever the cylinder is not in use.
- This plug, made of metal or plastic, is designed to prevent a leak of propane should the valve be accidentally turned on.
- Cylinders are painted in light-reflecting colors. If you must repaint them, do not use dark or flat colors which absorb heat. This could cause the propane liquid to expand and be released through the safety valve.
- Never take a propane cylinder indoors if it contains, or has contained, propane. This is dangerous and unlawful.
- When purchasing a new cylinder, be sure that it is the size that fits your appliance bracket.
- Check that all valves on appliances are closed before connecting a new cylinder.

Watch those connections!

- When connecting a propane cylinder, use a properly fitting wrench (not pliers) to tighten the connection between the regulator and the cylinder valve.
- Remember, the fitting that connects to the cylinder valve has to be turned to the left (counter-clockwise) to tighten. Some connectors have a hand wheel requiring only hand tightening. With this type, ensure that the rubber "O" ring is in good condition and in place before connecting to the cylinder valve. The "O" ring is a small rubber-like washer that fits into a groove in front of the threads. Double check this connection when you are doing your "soap and water" leak test.
- Ensure all connections are tight before operating your propane appliance.

TEST

QUESTION	ANSWERS	
	TRUE	FALSE
1 Propane in a cylinder reacts to changes in temperature.		
2 Never refill a cylinder that is damaged, leaking or corroded.		
3 Ensure all connections are tight before operating your propane appliance.		
4 Remember, the fitting that connects to the cylinder valve has to be turned to the left (counter-clockwise) to tighten.		
5 When connecting a propane cylinder, use a properly fitting wrench (not pliers) to tighten the connection between the regulator and the cylinder valve.		
EMPLOYEE'S NAME	EMPLOYEE'S SIGNATURE	DATE
INSTRUCTOR'S NAME	INSTRUCTOR'S SIGNATURE	DATE

1. True 2. True 3. True 4. True 5. True