

ASK THE EXPERT: Your Propane Hose and Regulator - Guide to resetting the Flow Limiting Device

What is the Flow Limiting Device?

The flow limiting device is a safety feature built into the Propane regulator that detects a change in hose pressure, limiting the amount of propane that is delivered to a BBQ's manifold and valve assembly, causing unstable performance.

What causes activation of the Regulator's Flow Limiting Device?

1. Improper lighting procedure
2. Opening propane tank too quickly
3. A leak in the system
4. A positive connection has not been made between the propane tank and the manifold/valve assembly/

When should the Regulator Flow Limiting Device be reset?

1. Burner will not light with igniter or match
2. Burner does not get hot enough
3. Low or incomplete burner flame pattern
4. When a leak test is performed and no leak is found
5. When a positive connection has not been made between the Propane tank and manifold assembly.
6. When the proper lighting procedure has not been followed

How do you reset the Regulator Flow Limiting Device?

1. Ensure that the control knob is in the OFF/CLOSED position
2. Ensure that the Propane tank valve is in the OFF/CLOSED position
3. Disconnect the Propane hose and regulator from the Propane tank
4. Turn the control knob to the ON/OPEN position
5. Let stand for 1-3 minutes, allowing all excess gas in valves and manifold to dissipate
6. Turn the control knob back to the OFF/CLOSED position
7. Reconnect the Propane hose and regulator to the Propane tank- hand tighten only.
8. Check all hose connections to ensure that a positive seal has been made
9. *Slowly* turn ON the propane gas supply, ¼ to ½ a turn.
10. Wait approximately 5 seconds for the Hose and regulator pressure to stabilize (to prevent the flow limiting device feature from being re-activated).
11. Turn ON/OPEN the selected burner control knob, to the HIGH position
12. Press the Electronic ignition button, or use the match and match holder to ignite the selected burner.

Safety Devices in Regulator

1. ***Flow Limiting Device:*** The Flow Limiting Device alerts us of a change in gas pressure due to a leak, improper lighting procedure, system blockages, negative connections between manifold and gas source, and opening gas source too quickly, by limiting the flow of gas from the tank to the manifold.
2. ***Thermal Sensor:*** The Thermal Sensor is built into the interior of the hose. It will automatically shut off the flow of gas between 115-150 degrees C (240-300 degrees F). If this temperature is reached the hose and regulator will, in many cases, melt away from the tank to avoid serious damage.