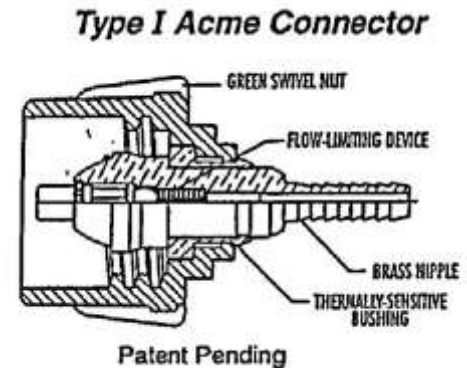


LP safety Hose Nut

At a recent rally the question came up as to the causes of low gas pressure in a trailer. One gentleman mentioned it could be caused by the flow limiting device. If a valve is turned on too quickly or there is a significant gas leak the flow limiting valve can activate, reducing the flow of LP gas to your system. The gentleman suggested that the valve may have stuck in the activated position. I thought this would be a good opportunity to review the features of the

Green LP Acme Safety Hose Nut.



The G-1851-A03 appliance side swivel nut fitting is female 1-5/16" ACME x 1/4" MPT. As the appliance side of the Type I connection, it makes a positive connection by threading on to the ACME threads of the LP tank valve with a user-friendly right hand turn motion.

- The fitting is thermally sensitive and shuts-off the flow of gas if the temperature reaches a range of 240°F - 300°F. This feature protects against uncontrolled fires and causes the cylinder valve's back check to close, shutting off the flow of propane.
- Inside the brass nipple portion is a flow-limiting device that limits the gas flow to 10 SCFH (standard cubic feet per hour) maximum flow when activated.
- **Positive Seal** – Gas will not flow until a positive seal has been achieved.
- **Thermally Sensitive** – Sleeve yields allowing back check to close, shutting off gas flow at the cylinder.
- **Flow-limiting device** – Senses excessive flow in the gas regulator and closes flow down to a maximum of 10 SCFH of air at 100-PSI bypass flow.

Inside the Acme nut is a small ball bearing check valve that almost shuts off momentarily when full pressure is released by opening the cylinder valve. At this point you should hear a click in the valve. The valve will not shut off the gas flow completely, as this would eliminate its ability to detect leaks and excess flow from a leak or major line break and no gas could flow. The bypass gas goes into the propane system, and if there are no leaks or broken lines, the pressure will equalize on both sides and the check valve will reset (you should hear a second click) allowing normal operation of your gas system.

For additional information contact: Marshall Brass
800.447.9513 Phone

Typical causes of low gas pressure, low fuel supply, regulator not operating properly, or a leak in the system.