

**TANK PRESSURE  
SUGGESTED LEAK TESTING PROCEDURES  
NFPA 54**

**ANNEX D.3 (2) (a)**

*For Gas Systems Using Undiluted Liquefied Petroleum Gas System Preparation for Propane.* A leak check performed on an LP-Gas system being placed back in service should include all regulators, including appliance regulators, and control valves in the system. Accordingly, each individual appliance shutoff valve should be supplying pressure to its appliance for the leak check. This check will prove the integrity of the 100 percent pilot shutoff of each gas valve so equipped, so the manual gas cock of each gas valve incorporating a 100 percent pilot shutoff should be in the on position. Pilots not incorporating a 100 percent pilot shutoff valve and all manual gas valves not incorporating safety shutoff systems are to be placed in the off position prior to leak checking, by using the following method:

- (a) By inserting a pressure gauge between the container gas shutoff valve and the first regulator in the system, admitting full container pressure to the system and then closing the container shut off valve. Enough gas should then be released from the system to lower the pressure gauge reading by 10 psi (69kPa). The system should then be allowed to stand for 3 minutes without showing an increase or decrease in the pressure gauge reading.

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### **Tank Pressure Leak Testing**

- **Attach 300# Gauge to Presto-Tap fitting installed between shutoff valve and first stage regulator**
- **Admit full container pressure to gas system**
- **Close shutoff valve and reduce gauge pressure by 10# to insure isolation from tank pressure**
- **Observe for any increase or decrease in pressure for 3 minutes**
- **Rise in pressure indicates faulty shutoff valve seat**
- **Decrease in pressure indicates a leak in system**