



ME-KVA AND ME-KVB MULTI-POINT LEAK CHECK KIT INSTRUCTIONS

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THESE INSTRUCTIONS ARE FOR USE WITH ME-KVA AND ME-KVB MULTI-POINT LEAK CHECK KITS WHERE THERE IS A REQUIREMENT FOR A PROPANE SYSTEM LEAK CHECK. IT IS NOT FOR PRESSURE TESTING NEW PROPANE SYSTEMS OR OTHER APPLICATIONS.

!!! WARNING !!!

BEFORE THIS KIT IS USED, THE COMPANY AND PERSONNEL CONDUCTING A LEAK CHECK MUST BE AWARE OF THE REQUIREMENTS FOR A LEAK CHECK AND DEFINE THEIR COMPANY POLICIES AND PROCEDURES ACCORDINGLY SO THAT THE TEST IS CONDUCTED IN COMPLIANCE WITH NFPA 54, STATE AND LOCAL REQUIREMENTS. FAILURE TO FOLLOW APPLICABLE CODES, STANDARDS AND THE FOLLOWING INSTRUCTIONS MAY RESULT IN A FIRE, EXPLOSION, PERSONAL INJURY OR DEATH.



WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

!!! CAUTION !!!

- Only personnel trained in the proper procedures, codes, standards, and regulations of the LP Gas industry should use and service this equipment.
- Always wear suitable eye protection, gloves and protective clothing when operating or servicing LPG equipment.
- Regular inspection and maintenance is essential for safe operation.

STEP A) Close the tank service valve tightly before installing any pressure tap valves.

STEP B) The Multi-point Gauge assembly has a built-in high pressure regulator, therefore the pressure tap valve can be located in a high pressure test block installed between the tank valve outlet and the first stage regulator, in the inlet or outlet of the first stage regulator, in the intermediate pressure tap on a twin stage regulator or the inlet to a second-stage regulator. **It cannot be used downstream of a low pressure regulator with inches W.C. pressure.**

STEP C) If a pressure regulator in the system has a pressure tap connection as given in **Step B**, remove one of these plugs and install an MEC pressure tap valve into this connection. If the installation has older style regulators that do not have a pressure tap connection, as given above, proceed to **Step D**.

STEP D) If there is no pressure regulator in the system that has a pressure tap connection as given in **Step B**, remove the POL pigtail connection from the tank service valve. Install the high pressure test block between the service valve POL outlet and the pigtail.

STEP E) Attach the hose connection swivel fitting from the Multi-point gauge assembly to the connection provided in **Step C** or **Step D**. **NOTE - HAND TIGHTEN ONLY, DO NOT USE A WRENCH ON THIS FITTING.**

STEP F) With the vent valve on the Multi-point gauge assembly closed, open the tank service valve briefly then close it tightly. The pressure reading on the gauge assembly will increase to the pressure controlled by the built-in regulator (12 psi) or the outlet from the first stage regulator.

MAKE NOTE OF THIS GAUGE PRESSURE.

STEP G) Open the vent valve on the Multi-point gauge assembly until the pressure drops slightly below 8 psi then close the vent valve. If the initial reading in **Step F** is less than 10 psig, drop the pressure approx. 2 psig.

MAKE NOTE OF THIS INITIAL TEST PRESSURE.

STEP H) TESTING – With the vent valve closed, observe the pressure reading on the Multi-point gauge assembly **for a minimum of three minutes** for any increase or drop in initial test pressure from the **Step G**.

IF THE PRESSURE ON THE TEST GAUGE DROPS AT ALL FROM THE INITIAL TEST PRESSURE OF STEP G, it is an indication that there is a leak in the system. Be sure that the connections you have made, including the hose swivel connection, are secure and repeat **Steps F, G and H**.

If the pressure drop is repeated, there is a leak in the system and service is required.

IF THE PRESSURE ON THE TEST GAUGE INCREASES AT ALL FROM THE INITIAL TEST PRESSURE OF STEP G it can be due to the tank service valve not being closed tightly.

It can also occur if there is a leak downstream of the first stage regulator when the pressure tap valve is installed upstream of the first stage regulator. The pressure increase on the test gauge could be caused by backpressure from the first stage regulator which is not locked up due to the leak.

Retighten the tank service valve and repeat **Steps G, and H**. **If the pressure increase is repeated, service is required.**

Company policy will dictate if a pressure tap valve or test block will remain in the system after the test is completed. If it is not removed, place a cap on the valve.

The tank service valve must remain closed until pilot lights or appliances are being relit. The customer should be notified of leak check test results and any action that may be required before attempting to relight pilot lights or appliances.

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