

OVERVIEW

- When spraying helium over the test part, use the lowest practical flow of helium. For determining if a leak exists, a larger flow may be appropriate. However, for pinpointing leak location, reduce the helium flow to around 1-3 bubbles per second when submersing the probe tip in a liquid.
- To pinpoint a leak location, spray the suspect leak location in short spurts. Note the response time of the leak detector as well as the magnitude of the signal that appears. A short response time and a large signal indicate a location close to the spray point.
- When leak testing a part with multiple potential leak locations, start by spraying locations at the top of the part and work down to the bottom of the part. Helium will rise and can give a misleading location of the leak.
- Compressed air can be used on the part to dissipate the helium trapped on or near the part. This may help reduce the helium signal to the leak detector to make leak location quicker.



USE OF PROBE TIPS

The mini spray probe is supplied with a rigid tip used for general spraying.

- Make sure the probe tip does not get plugged.
- To change the tip, remove the nut from the end of the probe and replace with a different tip. Tighten nut slightly past hand-tight.

CAUTION



Follow precautions to ensure safe operation.

- Do not inhale helium gas. Helium is non-toxic, but may cause suffocation. Lack of sufficient oxygen can cause serious injury or death. Refer to Material Safety Data Sheet.
- Always use regulated helium when filling bottle. Do not exceed 150 psig when filling.

PROCEDURE

1. To fill reservoir, which is shipped empty, use the 1 Ft. 1/8" OD tube with 1/4" male NPT fitting provided. Connect the fitting into the regulator of helium source. Connect the tubing into the push-connect fitting on the fill side of the spray probe reservoir. Open the manual valve on reservoir. Then open the helium regulator to fill reservoir to 150 PSI or lower. Make sure that the helium source is pre-regulated down to 150 PSI or lower. All fitting connections should be leak tight. Pressure relief valve on reservoir will not allow filling beyond 150 PSI.
2. Close fill valve when complete. Remove the tube from fill valve. Insert the 6 Ft. tubing (with spray probe) into push-connect fitting. Open valve when ready to begin use.
3. Adjust regulator on mini spray probe to achieve a light flow of helium (1-2 psig).
4. For gross leak testing, the helium spray pressure can be higher (1-3 psig). Helium set to a higher pressure will achieve a higher flow.

SPARE PARTS LIST

PART NUMBER	DESCRIPTION
LMSA92523	1/16 OD SS Tube Tip, 4 inches
LMSA0528	1/8" OD Poly Tube, 7 feet



Contact
LACO Technologies
for assistance.