



HLD-Sniffer II

HELIUM SNIFFER PROBES

USER GUIDE

HELIUM SNIFFING TIPS

- When using a helium sniffer probe to test pressurized components or system, ensure that there are no gross leaks in the system prior to pressurizing. Gross leaks will allow the surrounding air (or background) to become contaminated with helium, which lowers the sensitivity of the leak test.
- When venting helium from a pressurized test part, do not vent in the same area where the testing is performed. This will contaminate the surrounding air with helium.
- When the ambient air is contaminated with helium, a large fan can be used to exhaust the test area and provide clean air.
- When sniffing a part with multiple potential leak locations, always begin sniffing near the bottom of the part and work towards the top. It may be necessary to repair leaks that are found before proceeding. Helium escaping from the part will rise and can give a misleading leak location.

PROCEDURE

1. Connect Sniffer probe to Sniffer or inlet Test Port for the leak detector you are using. Refer to the leak detector user manual for instructions.
2. Sniff leak test per the leak detector user manual instructions.
3. While testing, do not plug or contaminate the sniffer probe tip. If the probe becomes plugged or dirty, remove the clear tube and filter assembly from the tip. Replace with a spare unit supplied with the sniffer probe. Slide the clear tube over the stainless steel tube so the filter rests at the end of the probe tip. If probe is still clogged, see sniffer tip replacement procedure

USE OF PROBE TIPS

The sniffer probe tip uses vacuum which can pull oil, grease and other contaminants into the line that may be harmful to the sniffer probe and leak detector. Make sure the probe tip does not get plugged.

CAUTION

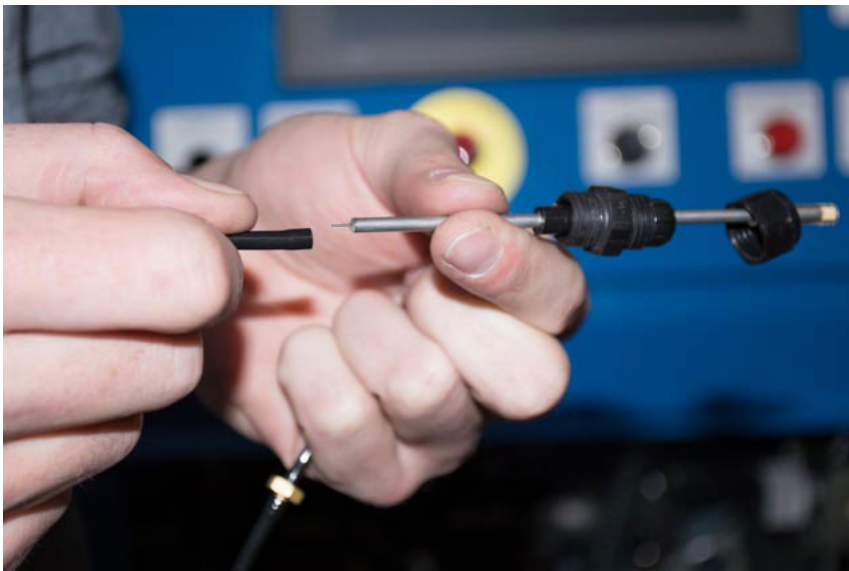
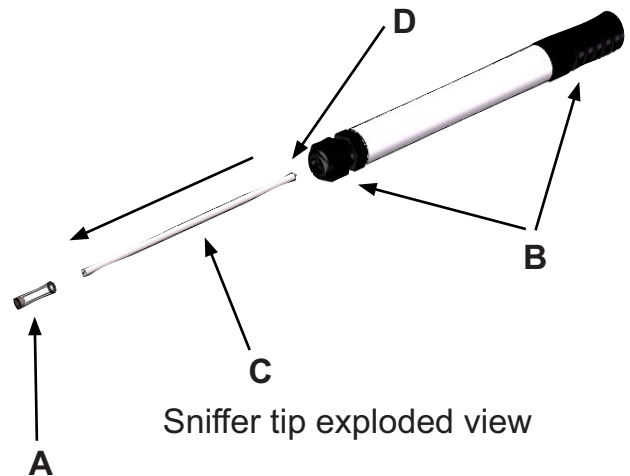
Follow precautions to ensure safe operation.

- Do not allow moisture to be drawn into the probe.
- 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.



SNIFFER TIP REPLACEMENT PROCEDURE

1. Often, a clogged tip can be fixed by running compressed air or nitrogen through the sniffer in test connection. Blow 10-40 psi of gas through the probe for 20-30 seconds. Retest probe in leak detector to see if the clog has cleared.
2. If clog is still present, contact Ideal Vacuum for the correct leak tip assembly for your leak detector, P/N LST-60 for Alcatel Adixen leak detector or P/N LST-30 for all other brands. See Step 3 for installation instructions.
3. **(A)** Remove filter tip assembly and **(B)** loosen both cord grips and **(C)** slide out main sniffing line. **(D)** While holding tubing connection, remove SS tip from the urethane tubing. Reinstall the end of the new tip assembly with small pin sticking out into the urethane tubing. Take care to not damage pin assembly. Reinstall the sniffing line into the handle assembly and retighten the cord grips.



Installing the filter tip assembly on the Sniffer Probe