



### Instructions

Before installing the trap, make sure the system is free of leaks, the GC inlet and MS vacuum chambers are clean (if using mass spectrometry detection), and the system is generally in good working order.

1. Shut down your GCMS or reduce the GC heated zone temperatures.
2. Set the gas source supply pressure to 10-15 psi and maintain flow in the gas source line before disconnecting it from the inlet of the old trap.

3. Remove the protective nut and plug from the inlet end of the new trap. Do not open the plug on the outlet end.
4. Immediately attach the new trap to the gas source tubing using one of the included ferrule sets.

#### ⚠ Caution

Failure to immediately connect the trap may cause contamination of the adsorbents inside, which will reduce its adsorption capacity and contribute to elevated levels of contaminants observed by the detector. This may result in the need for additional purge time. The trap requires to be installed vertically.

5. Insert the tubing through the nut and ferrule set until the tubing rests firmly against the shoulder in the fitting.
6. Tighten the nut, using your fingers only and then use a wrench to tighten the nut 3/4 turn for 1/8" tubing, and 1 and 1/4 turn for 1/4" tubing (see Figure 1).
7. Wait for 3 minutes to stabilize the gas pressure inside the new trap. Increase the gas source pressure to 60 psi.
8. Open the outlet fitting and purge the trap for 3 minutes.
9. Adjust the gas source pressure to a normal working level. Connect the outlet fitting of the trap to the instrument tubing as described in steps 5 and 6. Wait for at least 3 minutes to purge out any air that may have entered the instrument tubing line. The trap is now ready for use.

*Note: Most instruments (such as GCs or GCMSs) require a waiting time for the system to stabilize and self-clean before use when the gas source or gas trap is changed. This waiting time is often 2 hours or longer. Results from analyses performed too soon after changing the trap may not be reproducible. The longer the wait time the more stable the system will be, thus protecting the instrument and the column when changing gases or the gas trap.*

### Information and support

Visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)

*Specifications are subject to change without notice.*