

# TRACE 1300/1310: Pressure Regulator Kit for Gas Sampling Valve (GSV) - Installation Guide

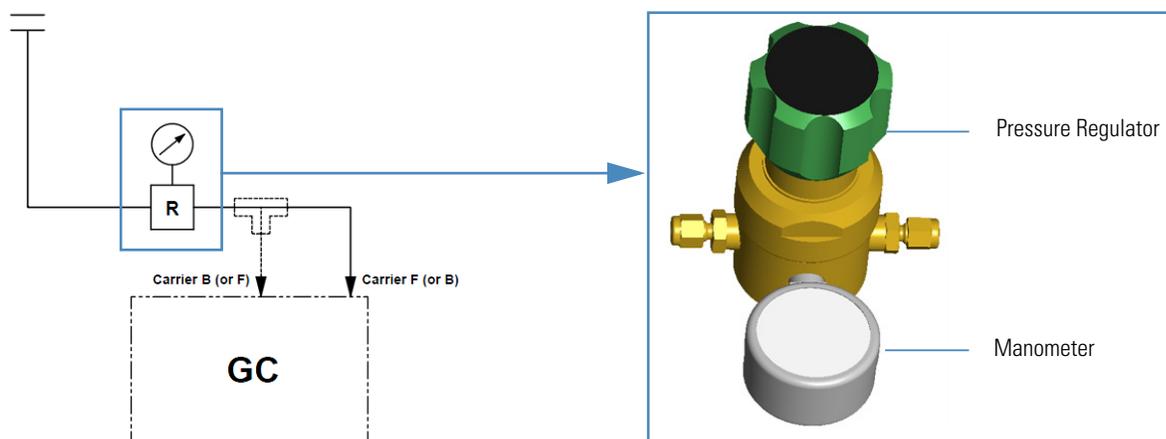
This guide provides instructions for installing the kit P/N 19050763 for adjusting the pressure of the carrier gas to correctly supply the Gas Sampling Valve (GSV) injector.

This kit is useful in the case your carrier line is not able to adjust the pressure of the carrier gas to 450 kPa (68 psi; 4.5 bar) required for the correct functioning of the GSV injector.

There is not a precise point of connection of the kit on the carrier gas line. You connect the kit on the carrier gas line where it is easier for you adjusting the carrier pressure. For example you could connect the kit near the carrier gas cylinder, or near the GC.

Figure 1 shows the pneumatic diagram for connecting the kit.

**Figure 1.** Schematic Diagram



The kit consists of the following parts:

- Pressure regulator and manometer
- Tee union (in case you connect both the front and back carrier gas)
- Fittings
- Bracket (in case you hook the kit on the back cover of the GC)
- Copper tubing (3-m long for connecting the kit to the carrier gas line)

Figure 2 shows the connection to the front or back carrier gas inlet on the GC.

**Figure 2.** Front or Back Gas Carrier Inlet Connection

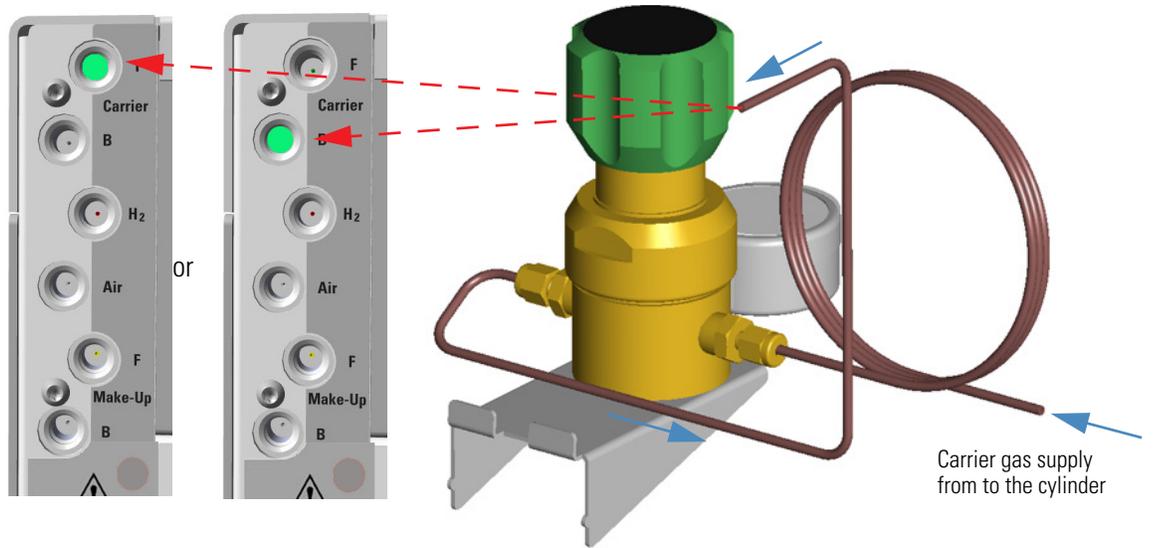


Figure 3 shows the connection to both the front and back carrier gas inlets on the GC.

**Figure 3.** Front and Back Gas Carrier Inlets Connection

