EZ Twist Top™ Split/Spitless Injection Ports

For Agilent 6890/6850 GCs

cat.# 22721, 22722, 22733, 22734, 22735, 22736

Figure 1

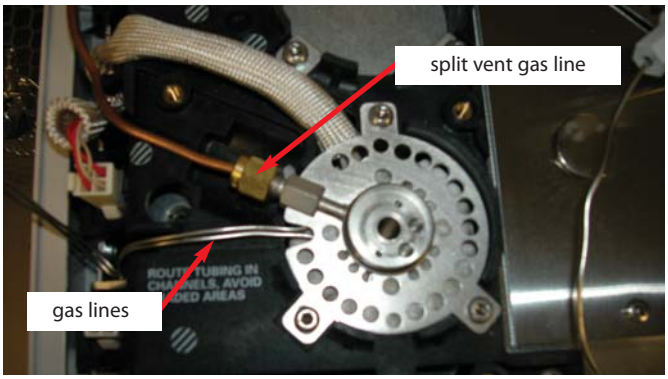

Figure 2

Figure 3

Before Starting:

1. Turn off the main power to the instrument and unplug the power cord from the receptacle. Allow adequate time for the instrument's heated zones to cool.
2. Turn off the main source of carrier gas to the instrument.

Removing the original Agilent injection port:

1. Consult the instrument manufacturer's handbook.
2. The O-rings on the pneumatic module will be reused. Do not discard them.

Installing the EZ Twist Top™ injection port:

1. Slide the insulation and the heater block onto the shell weldment and screw the thermal nut onto the weldment.
2. Place the shell weldment into the top of the oven, run the gas lines as shown in Figure 1 and secure with the original screws.
3. Replace the split vent gas line onto the shell weldment and tighten securely.
4. Make sure the three original O-rings are on the pneumatic module and connect the pneumatic block with the original screw. Attach the split vent flow line to the split vent trap. Route the tubing along its original position.
5. Place the Dual Vespel® Ring Inlet Seal into the reducing nut and screw onto the shell weldment.
6. Install an inlet sleeve into the shell weldment, using a Viton® O-ring. Make sure the small Viton® O-rings are positioned correctly on the bottom of the weldment (see Figure 2). Place the weldment on the top of the shell weldment and align the pins on the weldment with the holes in the shell weldment. Thread the weldment onto the shell weldment, then tighten, using the Weldment Removal Tool (cat. # 22728) (see Figure 3).
7. Place a 11mm septum into the split/splitless weldment and tighten the septum nut.

8. Install the capillary nut and ferrule onto the column and install the column.

9. Turn the carrier gas on and check for leaks, using Restek's Electronic Leak Detector (cat.# 22839). If an electronic leak detector is not available, perform a pressure decay test. If no leaks are present, replace the side panel and restore power.

Changing the inlet sleeve/liner on the EZ Twist Top™ injection port:

1. Slip the Weldment Removal Tool over the weldment and push down on the tool to secure the weldment in the socket. Turn counter clockwise to loosen the weldment, then lift straight up. For speed and efficiency the weldment stays secured in the Weldment Removal Tool until you are ready to reattach it.

2. Replace the inlet liner and O-ring in the shell weldment. Examine the two small O-rings in the weldment and replace accordingly.

3. Place the weldment onto the top of the shell weldment, align the pins and slots, and tighten the weldment.

4. Leak check the injection port. If a leak is present, tighten the weldment 1/4 turn at a time, leak checking after each 1/4 turn.

EZ Twist Top™ Split/Splitless Injection Port for Agilent 6890/6850 GCs

Description	qty.	cat.#
Complete injection port assembly kit includes: split/splitless weldment, shell weldment, 2 weldment O-rings, Siltek Dual Vespel Ring inlet seal, septum nut, reducing nut, stainless steel capillary nut and weldment tool	kit	22721
Siltek complete injection port assembly kit includes: Siltek split/splitless weldment, Siltek shell weldment, 2 weldment O-rings, Siltek Dual Vespel Ring inlet seal, septum nut, reducing nut, stainless steel capillary nut and weldment tool	kit	22722
Split/Splitless Weldment for Agilent 5890/6890/6850 GCs (2 weldment O-rings are installed on the weldment)	ea.	22724
Siltek Split/Splitless Weldment for Agilent 5890/6890/6850 GCs (2 weldment O-rings are installed on the weldment)	ea.	22732
Shell Weldment for Agilent 6890/6850 GCs	ea.	22723
Siltek Shell Weldment for Agilent 6890/6850 GCs	ea.	22730
Weldment O-rings	10-pk.	22729
Autosampler & PTV Septum Nut (for 23-gauge needles)	ea.	20631
	2-pk.	20883
Reducing Nut	ea.	22078
Siltek 0.8mm ID Dual Vespel Ring Inlet Seal	2-pk.	21242
	10-pk.	21243
Weldment Removal Tool for Agilent 5890/6890/6850 GCs	ea.	22728

Optional EZ Twist Top™ Split/Splitless Shell Weldment for Large Canister Type Filters on Agilent 6890/6850 GCs

Description	qty.	cat.#
Optional Split/Splitless Shell Weldment (for use with large canister type filter)	ea.	22733
Siltek Optional Split/Splitless Shell Weldment (for use with large canister type filter)	ea.	22734

EZ Twist Top™ Split/Splitless Injection Port with Optional Split Vent for Agilent 6890 GCs

Description	qty.	cat.#
Complete injection port assembly kit includes: split/splitless weldment, shell weldment, 2 weldment O-rings, Siltek Dual Vespel Ring inlet seal, septum nut, reducing nut, stainless steel capillary nut and weldment tool	kit	22735
Siltek complete injection port assembly kit includes: Siltek split/splitless weldment, Siltek shell weldment, 2 weldment O-rings, Siltek Dual Vespel Ring inlet seal, septum nut, reducing nut, stainless steel capillary nut and weldment tool	kit	22736

SILTEK Treatment Available for **Maximum** Inertness

Weldment Removal Tool

Optional EZ Twist Top™ Split/Splitless Shell Weldment for Large Canister Type Filters on Agilent 6890/6850 GCs

Call Technical Service at 800-356-1688, ext. 4 or 814-353-1300, ext. 4 (or contact your Restek representative) if you have any questions about this product or any other Restek product.

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