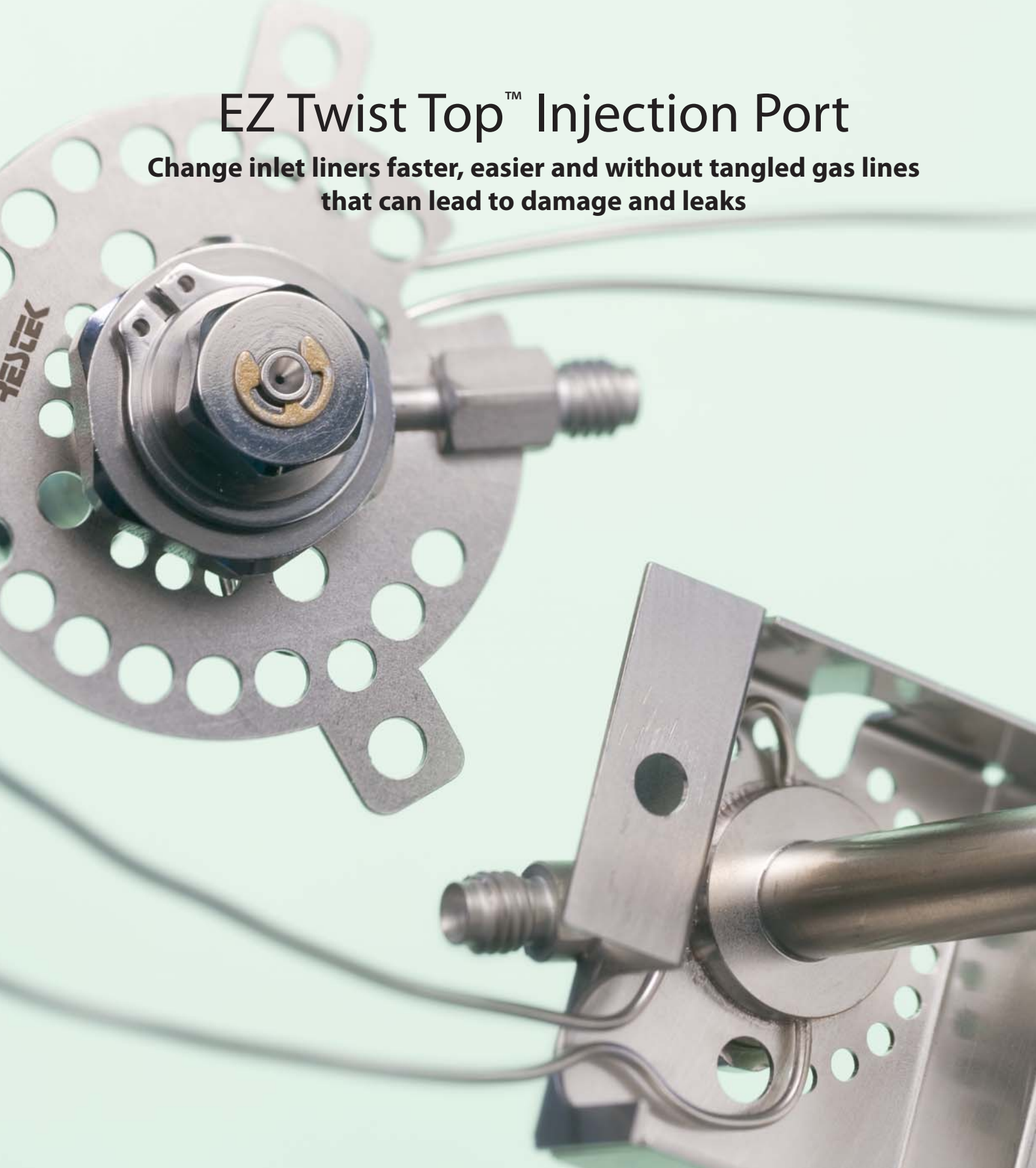


EZ Twist Top™ Injection Port

Change inlet liners faster, easier and without tangled gas lines
that can lead to damage and leaks



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

- Gas lines are attached to the shell weldment (bottom) instead of to the weldment (top)—no more tangles that can lead to damage and leaks.
- Change inlet liners faster, easier and eliminate touching hot surfaces.
- Excellent choice for Agilent 5890, 6850, or 6890 GCs; even more advantageous with Agilent GCs equipped with autosamplers.

Injection port maintenance should be performed prior to installing any capillary column, and on a routine basis, based on the number of injections made and the cleanliness of the samples. For optimum system performance, the injection port liner must be free of sample residue, septum particles, and ferrule fragments, so proper maintenance includes replacing the injection port liner, critical seals, and septum. Peak shape degradation, poor reproducibility, sample decomposition, and ghost peaks all are associated with using a dirty liner. Frequent septum replacement prevents fragmentation and leaks. Multiple injections and continuous exposure to hot injection port surfaces will decompose the septum and can create particles that can fall into the injection port liner, where they become a potential source of

ghost peaks, loss of inertness, and occluded carrier gas flow. Therefore, changing septum and inlet liners frequently is essential to maintaining optimum system performance.

Figure 1



The old way: gas lines can be damaged during routine injection port maintenance.



The new way: with the EZ Twist Top™ Injection Port, the gas lines are under the GC cover and are not disturbed during maintenance.

Using Restek's new, unique EZ Twist Top™ Injection Port, and Restek Cool Tools (Septum Nut Removal Tool, Inlet Liner Removal Tool—order separately from page 4), you can reduce maintenance time and frustration while avoiding direct contact with hot metal and glass surfaces.

Eliminate tangled gas lines and damage that leads to leaks. The gas lines are attached to the EZ Twist Top™ Shell Weldment. Once the injection port is installed the gas lines are under the GC cover and do not interfere with routine injection port maintenance, as shown in Figure 1. To remove the weldment and access the liner, simply slip the Weldment Removal Tool (included in the complete injection port kit) over the weldment (Figure 2), then twist and remove the weldment. For speed and efficiency, the weldment stays secured in the tool until you are ready to reattach it. Changing inlet liners in original equipment injection ports was complicated by the gas lines and sampling tray. With the new injection port, however, changing the liner is a quick and simple task, as shown in Figure 3.

Figure 2



Simply slip the Weldment Removal Tool over the weldment, then twist and remove the weldment. For speed and efficiency, the weldment stays secured in the Weldment Removal Tool until you reattach it.

Figure 3



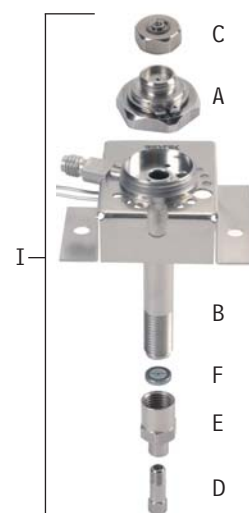
The old way: gas lines can be damaged, and metal and glass surfaces are hot.



The new way: removable weldment on the EZ Twist Top™ Injection Port allows easy, safe access to the inlet liner.

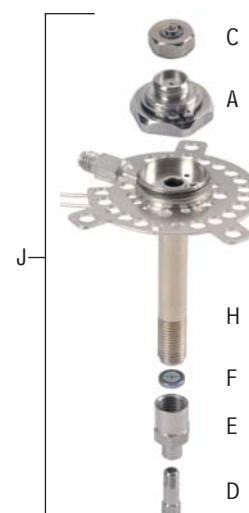
EZ Twist Top™ Split/Splitless Injection Port for Agilent 5890 GCs

Description	qty.	cat.#
I) Complete injection port assembly 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	22725
Siltek® complete injection port assembly 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	22726
A) 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
B) Shell Weldment for Agilent 5890 GCs	ea.	22727
Siltek® Shell Weldment for Agilent 5890 GCs	ea.	22731
Weldment O-rings	10-pk.	22729
C) Autosampler & PTV Septum Nut (for 23-gauge needles)	ea.	20631
D) Stainless Steel Capillary Column Nut (for use with standard 1/16" ferrules)	2-pk.	20883
E) Reducing Nut	ea.	22078
	2-pk.	21242
F) Siltek® 0.8mm ID Dual Vespel® Ring Inlet Seal	10-pk.	21243
G) Weldment Removal Tool for Agilent 5890/6890/6850 GCs	ea.	22728



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

Description	qty.	cat.#
J) Complete injection port assembly 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 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
A) 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
H) 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
C) Autosampler & PTV Septum Nut (for 23-gauge needles)	ea.	20631
D) Stainless Steel Capillary Column Nut (for use with standard 1/16" ferrules)	2-pk.	20883
E) Reducing Nut	ea.	22078
	2-pk.	21242
F) Siltek® 0.8mm ID Dual Vespel® Ring Inlet Seal	10-pk.	21243
G) 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 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 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 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



restek innovation!

Protect your fingers from hot metal and glass surfaces while replacing the inlet liner or septum—use Restek Cool Tools (purchase separately).

No more hot fingers!



Slip the Septum Nut Removal Tool over the septum nut, then twist and remove the septum nut.



For speed and efficiency, the septum nut stays secured in the Septum Nut Removal Tool until you reattach it.



Use the Inlet Liner Removal Tool to remove and replace the liner.

Septum Nuts for use with Agilent GCs

- Nuts ensure a leak-tight injection port, increase septum lifetime, and decrease maintenance requirements.
- Thread design and needle guide allow easy penetration and prevent premature septum coring.
- Manual injection septum nut allows use of 26-gauge needles for on-column injections.
- Made of high-quality stainless steel.



Description	Similar to Agilent part #	qty.	cat.#
Autosampler & PTV Septum Nut (for 23-gauge needles)	18740-60835	ea.	20631
Manual Injection Septum Nut (for 26-gauge needles)	18740-60835	ea.	21309

Septum Nut Removal Tool for Agilent 5890/6890/6850 GCs

- Easily remove a hot septum nut without touching it—no more hot fingers!
- Unique, ergonomic handle—easy to grip.



Description	qty.	cat.#
Septum Nut Removal Tool for Agilent 5890/6890/6850 GCs	ea.	24918

Septum Puller

- Keep several on hand in your laboratory—can be used in many different ways.
- Use hooked end for removing septa and O-rings; pointed end works well for removing stuck ferrules or fragments.



Description	qty.	cat.#
Septum Puller	ea.	20117

Inlet Liner Removal Tool

- Easily remove liner from injector—no more burned fingers.
- Made from high-temperature silicone.
- Won't chip or crack the liner.



Description	qty.	cat.#
Inlet Liner Removal Tool	3-pk.	20181

Restek Trademarks: EZ Twist Top, Siltek, Turning Visions into Reality, Restek logo. Other Trademarks: Vespel (E. I. du Pont de Nemours & Co., Inc.)



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