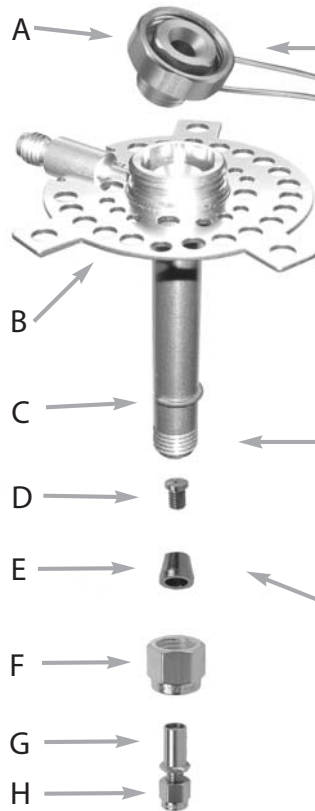


SureFit Split/Spitless Injection Ports

For Agilent 6890 GCs

- cat.# 23046 uses Restek Enhanced Base Fitting
- cat.# 23049 uses Manufacturer's-Style Reducing Nut and Inlet Seal

Uses Restek Enhanced Base Fitting Cat.# 23046



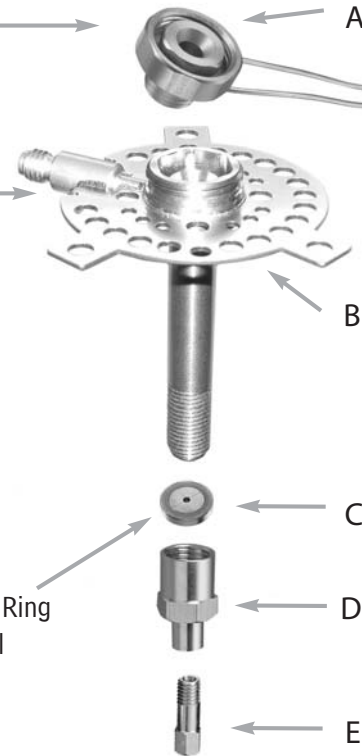
Hex design aligns every time for easy installation or removal.

Injection port remains leak-tight at temperatures to 400°C.

Redesigned injector base for better seal and simplified column installation.

Standard 1/4" ferrule

Uses Manufacturer's-Style Reducing Nut and Inlet Seal Cat.# 23049



Dual Vespel® Ring Inlet Seal

- | | |
|-----------------------------|-----------------|
| A. split/splitless weldment | E. 1/4" ferrule |
| B. shell weldment | F. 1/4" nut |
| C. snap ring | G. base fitting |
| D. base screw | H. 1/16" nut |

- | | |
|-----------------------------|------------------|
| A. split/splitless weldment | D. reducing nut |
| B. shell weldment | E. capillary nut |
| C. inlet seal | |

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 SureFit injection port:

- 1a. For the Restek Enhanced Base Fitting shell weldment, remove the snap ring. Slide the heater block onto the weldment and replace the snap ring on the weldment.
- 1b. For the Manufacturer's-Style Reducing Nut and Inlet Seal shell weldment, slide the heater block onto the weldment and screw the thermal nut on the weldment.
2. Place the shell weldment into the top of the oven 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.
- 5a. For the Restek Enhanced Base Fitting assembly, assemble the base fitting (G) and screw (D) onto the weldment.
- 5b. For the Manufacturer's-Style Reducing Nut and Inlet Seal assembly, place the Dual Vespel® Ring Inlet Seal into the reducing nut and screw onto the shell weldment.
6. Install the inlet liner into the top of the injection port. Place the ferrule over the inlet liner (6.3mm ID ferrule for a split liner or 6.5mm ID for a splitless liner) and tighten the split/splitless weldment onto the shell weldment.
7. Place an 11mm septum into the split/splitless weldment and tighten.
8. Seal the end of the injector base fitting with the 1/16-inch nut and a no-hole ferrule. Turn the carrier gas on and check for leaks, using the Restek Electronic Leak Detector (cat.# 22839). If an electronic leak detector is not available, perform a pressure decay test.
9. If no leaks are present, replace the side panel and restore power.
- 10a. Install Restek Enhanced Base Fitting 36-38mm from the back of the nut.
- 10b. Install Manufacturer's-Style Reducing Nut and Inlet Seal 27-31mm from the back of the nut.

SureFit Split/Splitless Injection Ports for Agilent 6890 GCs

Uses Restek Enhanced Base Fitting

Description	qty.	cat.#
Injection Port Assembly Kit includes:* Siltek split/splitless weldment, Siltek shell weldment, base fitting, Siltek base screw, septum nut, 1/16" and 1/4" stainless steel nuts, 1/4" graphite ferrule	kit	23046
A) Siltek Split/Splitless Weldment for Restek Injection Port for 6890	ea.	23047
B) Siltek Shell Weldment for Restek Injection Port for 6890	ea.	23048
Optional Siltek Split/Splitless Weldment for Restek Injection Port for 6890	ea.	23051
Ferrules for split liners (6.3mm OD): 1/4" dual-taper Vespel/graphite	10-pk.	20290
Ferrules for splitless liners (6.5mm OD): 1/4" dual-taper Vespel/graphite	10-pk.	20291
C) Siltek Base Screws for Restek Injection Port for 5890/6890	10-pk.	21631
	50-pk.	21632
Gold-Plated Base Screws for Restek Injection Port for 5890/6890	10-pk.	21629
	10-pk.	21630
Autosampler & PTV Septum Nut (for 23-gauge needles)	ea.	20631
D) Base Fitting for Restek Injection Port for 5890/6890	ea.	21626

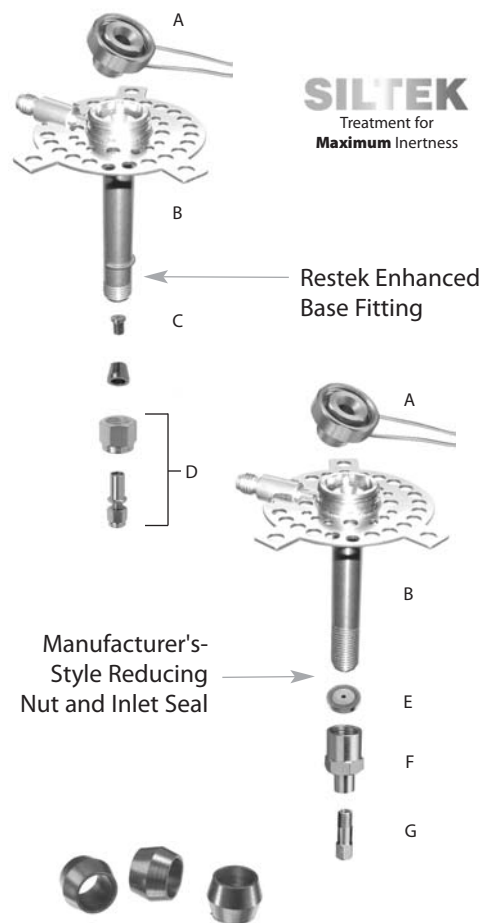
Uses Manufacturer's-Style Reducing Nut and Inlet Seal

Description	qty.	cat.#
Injection Port Assembly Kit includes:* Siltek split/splitless weldment, Siltek shell weldment, septum nut, Siltek Dual Vespel Ring Inlet Seal, Agilent-style stainless steel reducing nut, Agilent-style stainless steel capillary nut	kit	23049
A) Siltek Split/Splitless Weldment for Restek Injection Port for 6890	ea.	23047
B) Siltek Shell Weldment for Restek Injection Port for 6890 (uses standard Agilent inlet seals)	ea.	23050
Optional Siltek Split/Splitless Weldment for Restek Injection Port for 6890	ea.	23051
Ferrules for split liners (6.3mm OD): 1/4" dual-taper Vespel/graphite	10-pk.	20290
Ferrules for splitless liners (6.5mm OD): 1/4" dual-taper Vespel/graphite	10-pk.	20291
Autosampler & PTV Septum Nut (for 23-gauge needles)	ea.	20631
F) Reducing Nut	ea.	22078
G) Stainless Steel Capillary Column Nut	2-pk.	21884
E) Siltek 0.8mm ID Dual Vespel Ring Inlet Seal	2-pk.	21242
	10-pk.	21243

*Injection port assembly kit does not include inlet liner, 1/16" capillary ferrule, or split/splitless liner ferrules. Order separately.

Restek trademarks: Restek logo, Siltek.

Other trademarks: Vespel (E.I. du Pont de Nemours & Co., Inc.)



Special dual-taper, 1/4" ID Vespel®/graphite ferrules fit over split liners (6.3mm OD) (cat.# 20290). Slightly larger ferrule ID required for splitless liners (6.5mm OD) (cat.# 20291).

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



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