

Flip Seal Dual Vespel Ring Inlet Seal

cat.# 23406–23414

The Flip Seal dual Vespel ring inlet seal is reversible and can be used twice. Other inlet seals have a protrusion on one side that seals the ferrule onto the capillary column, which restricts installation and allows only one side of the seal to be used. In contrast, the Flip Seal inlet seal does not have a protrusion, but instead uses a capillary inlet adaptor fitting to seal the capillary column. This adaptor is included in the kit and uses standard $\frac{1}{16}$ " ferrules for compression-style fittings (ferrules not included).

Installation Instructions

1. Cool GC and remove the nut warmer cup and the original inlet adaptor fitting.
2. Assemble the inlet adaptor fitting and Flip Seal inlet seal as shown in Figure 1.
3. Screw the inlet adaptor fitting into the bottom of the split/splitless injector. Use a $\frac{1}{2}$ " wrench to tighten the inlet adaptor fitting: Restek recommends tightening only an additional $\frac{1}{4}$ turn. (Do not overtighten. Our patented dual Vespel ring technology does not require extra torque to establish a proper seal.)
4. Reinstall the nut warmer cup.
5. Insert the GC column through the $\frac{1}{16}$ " column sealing nut and a standard $\frac{1}{16}$ " graphite or graphite-Vespel capillary ferrule (Figure 2).
6. Assemble the other components by sliding the nut and then the ferrule over the column. Make a clean cut across the GC column and install it into the adaptor 30–32 mm from the bottom of the $\frac{1}{16}$ " sealing nut (Figure 3). This positions the column end a few millimeters above the bottom of the inlet seal. The $\frac{1}{16}$ " nut should be tightened finger tight and then tighten an additional $\frac{1}{4}$ turn. An installation gauge (cat.# 21399) can help with setting the correct depth.
7. Leak check with a Restek Leak Detector (cat.# 28500). If you observe a leak, tighten the inlet adaptor fitting and/or the $\frac{1}{16}$ " nut by an additional $\frac{1}{8}$ turn until it stops leaking.
8. When you need to perform inlet maintenance, check the flip seal. If it is dirty, flip it over and reinstall following the instructions above.

Figure 1

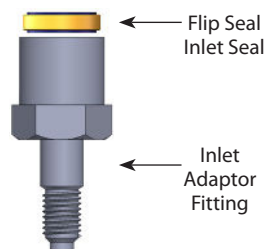


Figure 2

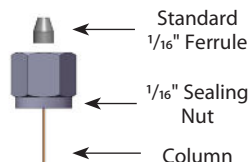
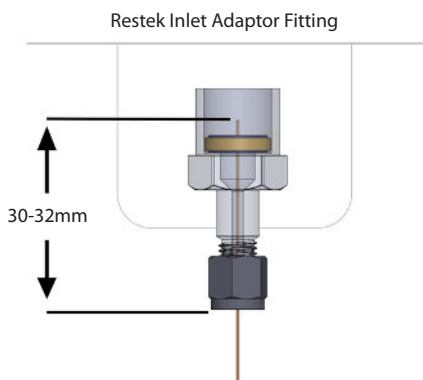


Figure 3



Flip Seal Dual Vespel Ring Inlet Seals

- Reversible, two-sided design allows significantly more analyses than other seals, at the same price—simply use, flip, then use again!
- Vespel ring embedded in top and bottom surface eliminates need for a washer.
- Highly inert gold seals reduce breakdown and adsorption of active compounds, maximizing component transfer to GC column.
- Very little torque required to make seal—reduces operator variability.



Note: The Flip Seal inlet seal requires a special reducing nut adaptor fitting, which is included in the kit.

Flip Seal Dual Vespel Ring Inlet Seal	2-pk. cat.#	10-pk. cat.#
Gold-Plated	23411	23413
Siltek-Deactivated	23412	23414

Flip Seal Dual Vespel Ring Inlet Seal Kit	qty.	cat.#
Includes: gold-plated inlet seal, reducing nut adaptor, 1/16" SS nut	kit	23406



The Flip Seal Adaptor can be used with standard 1/16" ferrules.
Patented

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