

the **RESTEK** Advantage

Innovators of High Resolution Chromatography Products

new!

Dual Vespel® Ring Inlet Seal

Washerless, Leak-Tight Seal for Agilent GCs

by Donna Lidgett, GC Accessories Product Marketing Manager

- ✓ Vespel® ring in bottom surface simplifies installation—eliminates the washer.
- ✓ Vespel® ring in top surface reduces operator variability by requiring minimal torque to seal.
- ✓ Prevents oxygen from permeating the carrier gas, increasing column lifetime.

In Agilent split/splitless injection ports, it can be difficult to make and maintain a good seal with a conventional metal inlet disk. The metal-to-metal seal dictates that you apply considerable torque to the reducing nut, and, based on our testing, this does not ensure a leak-tight seal. Over the course of oven temperature cycling, metal seals are prone to leaks, which ultimately can degrade the capillary column and cause other analytical difficulties.



Eliminate the washer!

Our Dual Vespel® Ring Inlet Seal* greatly improves injection port performance—it stays

sealed, even after repeated temperature cycles, without retightening the reducing nut! This seal, a new version of our popular Vespel® Ring Inlet Seal, features two soft Vespel® rings, one embedded in its

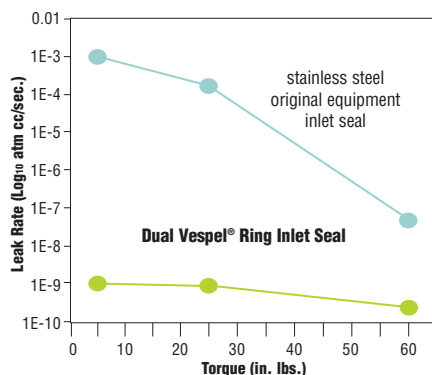


Dual Vespel® Ring Inlet Seals are available in Siltek™-treated, gold-plated, or untreated stainless steel.

top surface and the other embedded in its bottom surface. The Vespel® rings eliminate the need for a washer, and ensure very little torque is needed to make a leak-tight seal. The rings will not harm the critical seal in the injector body, or any other surface, and are outside the sample flow path. Tests using a high sensitivity helium leak detector show Dual Vespel® Ring Inlet Seals will seal equally effectively at torques from 5 to 60 in. lb. (Figure 1).

Why trust a metal-to-metal seal when you can make leak-tight seals quickly, easily, and more reliably—without a washer, with a Restek Dual Vespel® Ring Inlet Seal. Use an untreated stainless steel Dual Vespel® Ring Inlet Seal for analyses of unreactive compounds. To reduce breakdown and adsorption of active compounds, use a Siltek™-treated or gold-plated seal. Siltek™ treatment provides the highest level of inertness.

Figure 1 The Dual Vespel® Ring Inlet Seal achieves leak-tight seals even at low torque, reducing the chance of leak-related problems.



0.8mm ID Dual Vespel® Ring Inlet Seal	2-pk./price	10-pk./price
Siltek™	21242	21243
Gold-Plated	21240	21241
Stainless Steel	21238	21239
1.2mm ID Dual Vespel® Ring Inlet Seal	2-pk./price	10-pk./price
Siltek™	21248	21249
Gold-Plated	21246	21247
Stainless Steel	21244	21245

*Patent pending.

Restek
Innovation!

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