

# Shimadzu GC Column Nut Inlet Kit

cat.# 27220 and 27221 (Siltek version)

1. Remove the column nut and column from the inlet. Then, remove the insulation cup covering the bottom of the inlet following the manufacturer's recommendations.
2. Remove the retaining nut, inlet adaptor, and any washer and gaskets.
3. Place the new back washer (cat.# 27226) into the retaining nut (cat.# 27225), followed by the inlet adaptor (cat.# 27222 or cat.# 27223 [Siltek version]) (Figure 1).
4. Thread the retaining nut into the bottom of the instrument inlet.
5. Replace the insulation cup over the inlet fittings following the manufacturer's recommendations
6. Place the hot swap column nut (cat.# 27224) over the column end, followed by a ferrule with the cone tip pointing upwards. Trim a small amount from the column (Figure 2).
7. Using the installation gauge (cat.# 27227), pull enough of the column through so it extends beyond 50 mm.
8. Pre-seat the ferrule by tightening the nut finger-tight. Then, tighten one additional  $\frac{1}{4}$  turn.
9. Trim the column to 41 mm (Figure 3).  
Alternatively, you can install directly into the instrument, with 41 mm of column above the tip of the ferrule.
10. Install the hot swap column nut and preset column onto the bottom of the inlet adaptor, tightening the nut finger-tight. Then, tighten one additional  $\frac{1}{8}$  turn.
11. Repressurize the system and leak check using an electronic leak detector (cat.# 28500) around the retaining nut and column nut. If a leak is detected, apply an additional  $\frac{1}{8}$  turn on the nut that was leaking. Recheck for leaks.

Figure 1

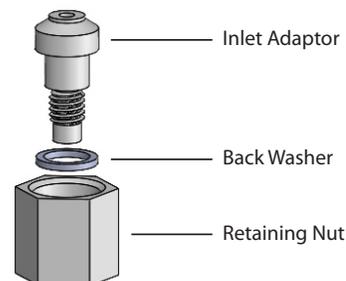


Figure 2

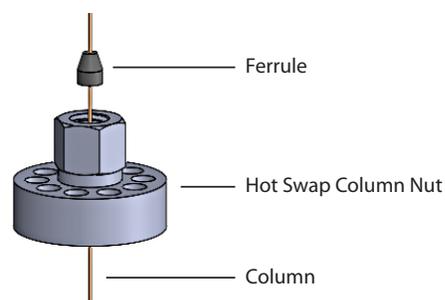


Figure 3

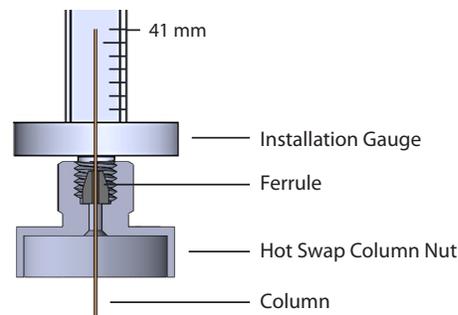
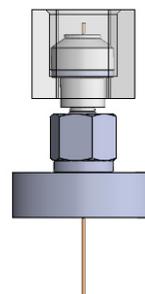


Figure 4



**Questions about this or any other Restek product?  
Contact us or your local Restek representative ([www.restek.com/contact-us](http://www.restek.com/contact-us)).**

Restek patents and trademarks are the property of Restek Corporation. (See [www.restek.com/Patents-Trademarks](http://www.restek.com/Patents-Trademarks) for full list.) Other trademarks in Restek literature or on its website are the property of their respective owners. Restek registered trademarks are registered in the U.S. and may also be registered in other countries.

© 2021 Restek Corporation. All rights reserved. Printed in the U.S.A.

[www.restek.com](http://www.restek.com)

#203-11-002 Rev. date: 04/21



**RESTEK**  
Pure Chromatography