

# Hot Swap Capillary Column Nut

cat.# 22347, 22348, 27224, 27230

Recommended for use with graphite and 60/40 Vespel/graphite ferrules.

## Installation Instructions

1. Verify the GC oven temperature is 50 °C or less.

*(Note, the Hot Swap capillary column nut cools itself with cooling of the GC oven. If the oven door is left open with the fan off for longer than 1 minute, the Hot Swap capillary column nut will begin to heat to the inlet's set temperature.)*

2. Insert the capillary column through the Hot Swap capillary column nut and ferrule, taking care to orient the ferrule correctly as shown.



3. To ensure that no ferrule particles enter the column, carefully trim approximately 2 inches (5 cm) off the end of the column by scoring the tubing using a ceramic scoring wafer (cat.# 20116). Point the end of the column downward when making the break so fused silica fragments do not enter the column. Using a magnifying glass (cat.# 20124), ensure that the end is squarely cut.
4. Adjust the column installation distance according to the manufacturer's recommendation. Restek recommends using finger-tight installation gauges to quickly and easily pre-seat ferrules consistently at the correct column length.
5. Thread the Hot Swap capillary column nut onto the injection port and turn until finger tight. Do not overtighten.
6. Establish carrier gas flow and leak check the fitting with a Restek electronic leak detector (cat.# 28500) to ensure that the ferrule is properly sealed and leak free. If a leak is detected, tighten the fitting an additional  $\frac{1}{8}$ <sup>th</sup> turn until no leak is detected.



22347



22348



27224



27230

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