

Rt-XLSulfur™ Micropacked GC Column

(1/16-inch x 1mm ID—cat.# 19804, 19805)

Maximum column temperature: 300°C

Note 1: This column has been conditioned for 16 hours at 290°C. It is ready to use after a brief purge and oven ramp to 290°C to remove any entrapped air.

Note 2: Avoid sharp 90° bends. Use a smooth bend radius when configuring the column.

Note 3: This kit provides you with the option of using graphite, Vespel®/graphite or metal Swagelok® ferrules.

Valve Application Installation (Kit cat.# 21065)

1. Remove the plastic end-caps from the column.
2. Install the 1/16" Valco® nut and ferrule onto one end of the column.
3. Connect the inlet of the column to the valve body by securing the Valco® nut and ferrule to the manufacturer's specification.
4. On the opposite end of the column, install the 1/16" stainless nut followed by a Vespel®/graphite, graphite, or metal ferrule. If resistance is felt when installing the Vespel®/graphite or graphite ferrule, ream the ferrule ID using 0.063" drill bit. Always hold the column end down when installing ferrules to prevent debris falling into the column. Connect the column to the detector following the instrument manufacturer's insertion depth. Finger-tighten the 1/16-inch nut, then tighten an additional 1/4-turn for Vespel®/graphite ferrules, 1/2-turn for graphite ferrules, and 3/4-turn for metal ferrules.
5. Turn on the carrier gas and adjust flow to 9mL/minute.
6. Allow the column to purge 15 minutes at ambient temperature, then ramp oven to 290°C @ 15°C/minute and hold 15 minutes.
7. Adjust the GC parameters to your operating specifications.

Direct Injection Application Installation (Kit cat.# 21066)

1. Remove the plastic end-caps from the column.
2. Install the appropriate nuts onto each end of the column.
3. With the arms of the column pointing down to avoid debris falling into the column, carefully slide either the graphite or Vespel®/graphite ferrule onto the column. If resistance is encountered, ream the ID of the ferrule using a 0.063" drill bit and reinstall.
4. Connect the column to the injector and detector by finger-tightening the nuts, then tightening an additional 1/2-turn for graphite ferrules, 1/4-turn for Vespel®/graphite ferrules, or 3/4-turn for metal ferrules.
5. Turn on the carrier gas flow and adjust to 9 mL/minute.
6. Allow the column to purge 15 minutes at ambient temperature, then ramp oven to 290°C @ 15°C/minute and hold 15 minutes.
7. Adjust the GC parameters to your operating specifications.

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



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