

Heated Purifier Replacement Tube

($\frac{1}{4}$ -inch-cat.# 21660; $\frac{1}{8}$ -inch-cat.# 21661)

For use with helium or nitrogen carrier gases only. Not recommended for use with hydrogen, oxygen, or air carrier gas streams or a violent reaction and/or fire will occur.

Danger: A violent reaction will occur if large amounts of oxygen or water enter the system while the purifier is hot. Be sure to adequately purge all room air from the new purifier tube before heating.

Installation Instructions

1. Cool all GCs on the heated purifier carrier gas line to ambient temperature.
2. Turn off the heated purifier power and allow the purifier to cool to ambient temperature (typically one hour) while maintaining carrier gas flow. Cool-down can be achieved faster by opening the oven chamber.
Caution: Be careful not to touch or allow anyone else to touch the hot purifier oven or a severe burn will occur!
3. Turn off the carrier gas supply and disconnect the inlet and outlet lines to the purifier tube. Remove the purifier tube from the heater assembly and discard it.
4. Remove the end caps from the new Restek replacement heater tube, set the tube inside the heater chamber, and connect it to both the inlet and outlet carrier gas lines.
5. Turn on the carrier gas and leak check with the Restek Leak Detector (cat.# 22839). Do not use liquid leak detectors. Once a leak-free system has been confirmed, close and securely latch the lid of the heater assembly.
6. The purifier tube must be purged at a minimum flow rate of 100cc/min. with carrier gas for at least 15 minutes before heating the purifier. Failure to adequately purge oxygen from the purifier tube prior to heating could cause a violent reaction and rupture the metal tube as the purifier heats up and needs to expel large amounts of entrapped air.
7. Turn on the power to the purifier and begin heating. Purge for at least one hour before heating the GC oven to ensure the system background is clean.

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



Restek U.S. • 110 Benner Circle • Bellefonte, PA 16823

phone: 814-353-1300 or 800-356-1688 • fax: 814-353-1309 • www.restek.com

Restek France • phone: 33 (0)1 60 78 32 10 • e-mail: restek@restekfrance.fr

Restek Ireland • phone: 44 2890 814576 • e-mail: resteurope@aol.com

Thames Restek U.K. LTD • phone: 44 1494 563377 • e-mail: sales@thamesrestek.co.uk

Restek GmbH • phone: +49 (0) 6172 2797 0 • e-mail: info@restekgmbh.de