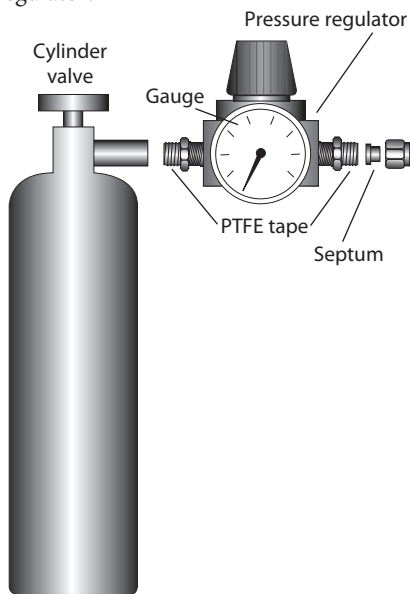


# Methane Cylinder Kit

cat.# 20197, 20199

1. Remove the allen nut from the cylinder valve outlet. (Make sure the valve is turned off prior to unscrewing the nut.)
2. Tighten the gauge to the top port of the regulator.\*
3. Tighten the pressure regulator to the cylinder valve outlet.\*
4. Make sure the pressure regulator valve is completely closed (it should be turned counterclockwise as far as possible). Next, open the cylinder valve and turn the regulator to 20 psig.
5. Leak-check all connections to make sure they are gas-tight. Alternatively, turn off the cylinder valve and perform a pressure decay test. If the pressure decays within 30 minutes, suspect a leak.
6. Insert a 10  $\mu$ L syringe (with a PTFE plunger) through the septum and withdraw 5  $\mu$ L of gas.
7. Expel the gas in the syringe until 2  $\mu$ L remains. Inject 2  $\mu$ L into the GC to check the column dead volume and set the linear velocity of the carrier gas. **Caution:** Syringe needles are prone to plugging when withdrawing gases from a septum seal. If you do not obtain a methane peak, check for a clogged syringe needle.
8. Always turn the cylinder valve off when not in use to prevent a leak from draining the cylinder. Some pressure will remain in the regulator even after the cylinder valve is turned off.



\*Make sure the PTFE tape remains intact when tightening or leakage could occur. Replace the tape if it becomes damaged during installation.

**Contact Technical Service at 1-800-356-1688, 1-814-353-1300, ext. 4, or [support@restek.com](mailto:support@restek.com)**  
**(or contact your Restek representative) if you have any questions about**  
**this product or any other Restek product.**

# RESTEK



© 2001 Restek Corporation.  
All rights reserved.  
Printed in the U.S.A.  
#203-02-003  
Rev. date: 03/12

**Restek U.S.** • 110 Benner Circle • Bellefonte, PA 16823 • [www.restek.com](http://www.restek.com)  
phone: 1-814-353-1300 • 1-800-356-1688 • fax: 1-814-353-1309 • e-mail: [support@restek.com](mailto:support@restek.com)  
**Restek France** • phone: +33 (0)1 60 78 32 10 • e-mail: [restek@restekfrance.fr](mailto:restek@restekfrance.fr)  
**Restek GmbH** • phone: +49 (0)6172 2797 0 • e-mail: [info@restekgmbh.de](mailto:info@restekgmbh.de)  
**Restek Ireland** • phone: +44 (0)2890 814576 • e-mail: [restekireland@aol.com](mailto:restekireland@aol.com)  
**Restek Japan** • phone: +81 (3)6459 0025 • e-mail: [restekjapan@restek.com](mailto:restekjapan@restek.com)  
**Thames Restek U.K. LTD** • phone: +44 (0)1494 563377 • e-mail: [sales@thamesrestek.co.uk](mailto:sales@thamesrestek.co.uk)