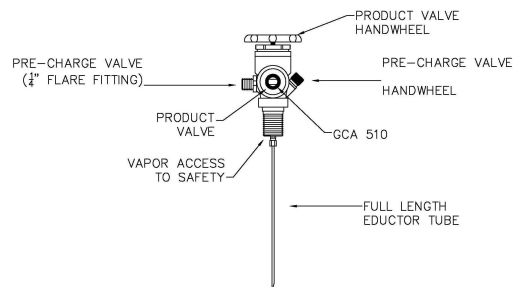




## Directions for Attachment of a Constant Volume LPG Cylinder to GC

### Pre-charge side

- ❖ Constant pressure must be maintained at all times on the pre-charge valve to ensure all components remain homogenous.
- ❖ Attach regulator to cylinder containing helium or other inert gas.
- ❖ Determine that the regulator adjustment valve knob is closed.
- ❖ Connect transfer line from regulator to pre-charge valve of LPG cylinder.
- ❖ Slowly open inert gas cylinder valve.
- ❖ Set regulator knob to provide sufficient pressure to maintain a single phase above the vapor pressure of the LPG calibration standard.
- ❖ DO NOT EXCEED 200 PSIG.
- ❖ Purge transfer line (atmospheric contaminants will affect the integrity of the calibration standard).
- ❖ Open pre-charge valve on LPG cylinder and charge to sufficient pressure not exceeding 200 psig.
- ❖ Leave pre-charge valve open, maintaining constant pressure during the analysis.

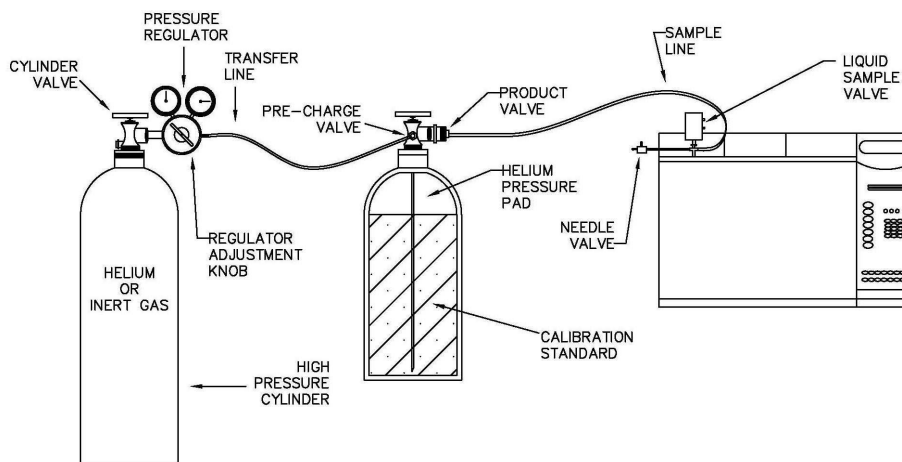


### Product side

- ❖ Attach filter and sample line to liquid sample valve.
- ❖ Verify filter flow direction.
- ❖ Connect transfill assembly to product valve outlet of LPG cylinder.
- ❖ Determine that the needle valve on outlet of liquid sample valve is closed.
- ❖ Open product valve on LPG cylinder.
- ❖ Purge sample line to remove contaminants.
- ❖ Inject sample in manner prescribed by chromatograph manufacturer.

### Following sample analysis by GC

- ❖ Turn off inert gas cylinder valve, pre-charge valve and product valve on both cylinders.
- ❖ Safely relieve pressure on all lines.
- ❖ Disconnect sample line from pre-charge valve.
- ❖ Store, transport or empty contents of cylinder according to applicable regulations and company policy.



4170 A Main Pearland, TX 77581 PH: 281-648-1894 FAX: 281-648-1895

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

E-mail: [customerservice@dcgpartnership.com](mailto:customerservice@dcgpartnership.com)

Chromatographic Reference Materials