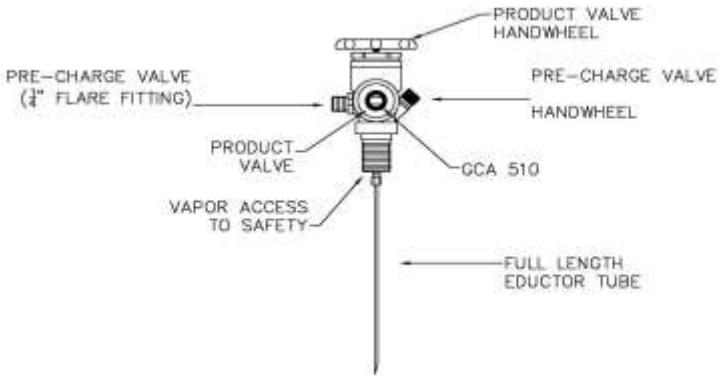
DCG Spec-Brief ™ SB – 108

Instructions for Attachment of Constant Volume Cylinder to Gas Chromatograph



Pre-Charge Valve

- 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 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 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 cylinder and charge to sufficient pressure during the analysis

Product Valve

Attach filter and sample line to liquid sample valve.

Verify filter flow direction.

Connect transfill assembly to product valve outlet of CVC.

Determine that needle valve on outlet of liquid sample valve is closed.

Open product valve on CVC.

Purge sample line to remove contaminants. Leave pre-charge valve open, maintaining constant pressure during analysis

Inject sample in accordance to instrument manufacturer recommendation

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Consult the following Spec's for related Applications:

SB-113 402 Series High Purity Regulator

SB-117 412 Series High Purity Regulator

DCG Partnership 1, Ltd.
4170A S. Main St. Pearland, TX 77581
281-648-1894, Option 1
www.dcgpartnership.com

Following Sample Analysis by GC

Close inert cylinder valve, pre charge valve and product valve on CVC

SAFELY RELIEVE PRESSURE ON ALL LINES

Disconnect sample line from product valve and transfer line from pre charge valve.

Store, transport or empty contents of CVC according to applicable regulations and company policy