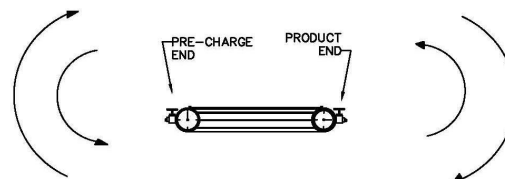




## Directions for Attachment of CPC to GC

### Mixing Standard

- ❖ Mix CPC by holding horizontally at both ends.
- ❖ Raise the pre-charge end to a vertical position and hold two to three seconds, then lower to a horizontal position.
- ❖ Raise the product end to a vertical position and hold two or three seconds, then lower to a horizontal position.
- ❖ Repeat eight to ten times.



### Pre-Charge Side

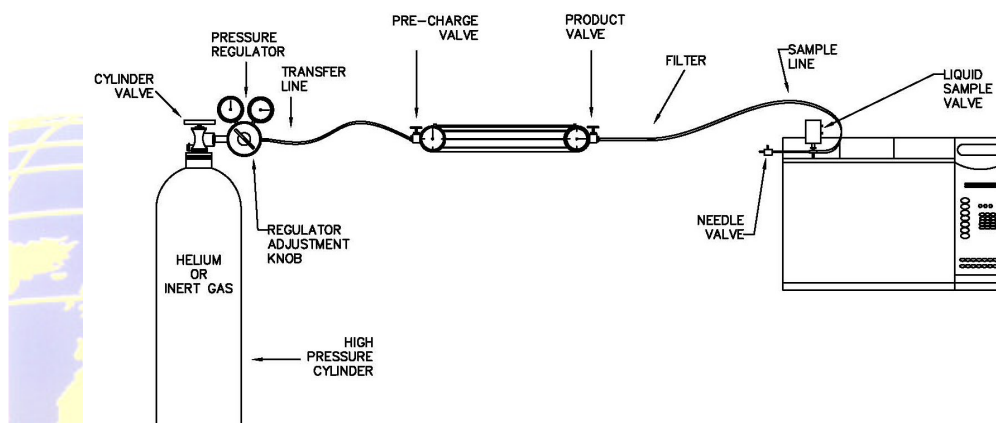
- ❖ All CPC's must have constant pressure on the pre-charge valve, ensuring all components remain homogeneous.
- ❖ Attach pressure regulator to a high pressure cylinder containing helium or other inert gas.
- ❖ Determine the regulator adjustment knob is closed.
- ❖ Connect transfer line from regulator to pre-charge valve of CPC.
- ❖ Slowly open inert gas cylinder valve.
- ❖ Set regulator adjustment knob to sufficient pressure to maintain a single phase; above the vapor pressure of the standard.
- ❖ Do not exceed the working pressure of the CPC.
- ❖ Purge transfer line.
- ❖ Open pre-charge valve on CPC and charge to sufficient pressure.
- ❖ Leave pre-charge valve open, maintaining constant pressure during analysis.

### Product Side

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

### Following sample analysis by GC

- ❖ Turn off inert gas cylinder valve, pre-charge valve and product valve on CPC.
- ❖ SAFELY RELIEVE PRESURE ON ALL LINES.
- ❖ Disconnect sample line from product valve and from pre-charge valve.
- ❖ Store, transport or empty contents of CPC according to applicable regulations and company policy.



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