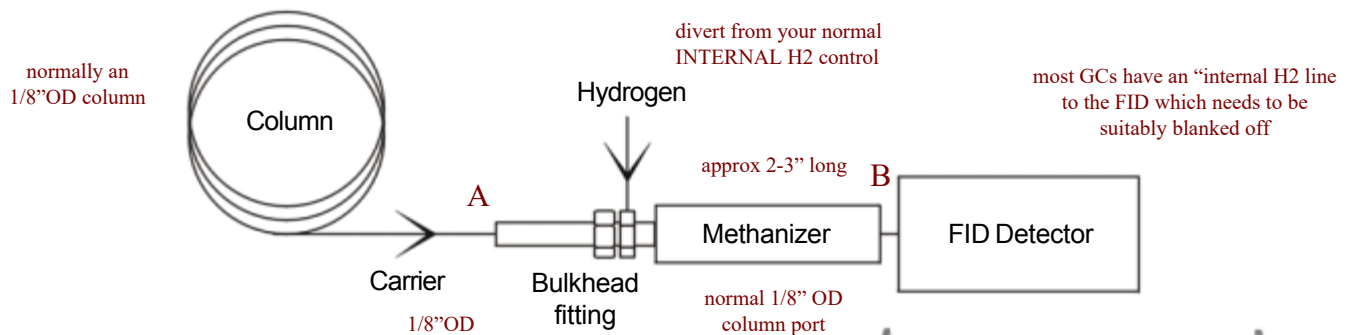
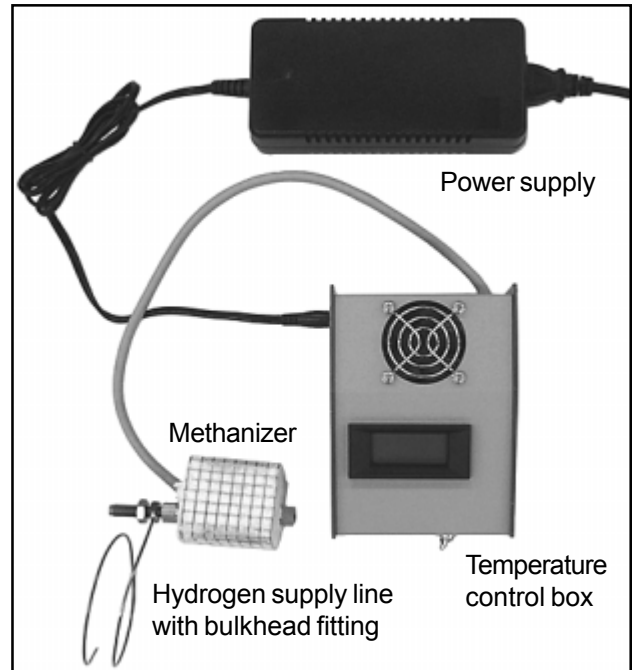


**Stand-Alone Methanizer Accessory**

The Methanizer accessory enables any GC equipped with a Flame Ionization Detector to detect low levels of CO and CO<sub>2</sub>. It comes complete with its own temperature control box and universal power supply, which can operate on any of the various voltages around the world (100-240V). Equipped with swagelok type fittings, the Methanizer can be connected anywhere between the column and the FID detector.

Like the FID detector, the Methanizer requires hydrogen for operation. The required flow rate of hydrogen through the Methanizer is 25mLs/minute. This can be a combination of carrier and make-up gases. Connect your hydrogen supply to the 1/16" make-up line on the 1/8" bulkhead fitting. The bulkhead fitting may also be used to mount the Methanizer body on your instrument.



The Methanizer is packed with a nickel catalyst powder. During analysis, the Methanizer is heated to 380°C. This temperature is set at the factory, and should not normally require user adjustment. Once you turn the Methanizer ON, let it warm up for at least two minutes before verifying the temperature setpoint. When the column effluent mixes with the hydrogen carrier or FID supply and passes through the Methanizer, CO and CO<sub>2</sub> are converted to methane. Since the conversion of CO and CO<sub>2</sub> to methane occurs after the sample compounds have passed through the column, their retention times are unchanged. Hydrocarbons pass through the Methanizer unaffected.

