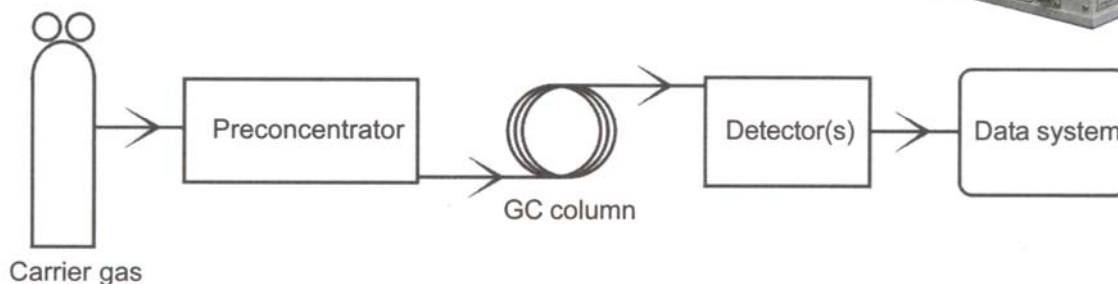
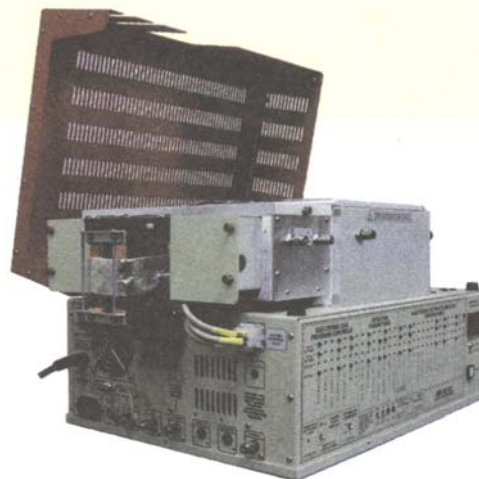


Sample Preconcentration and Enrichment Options

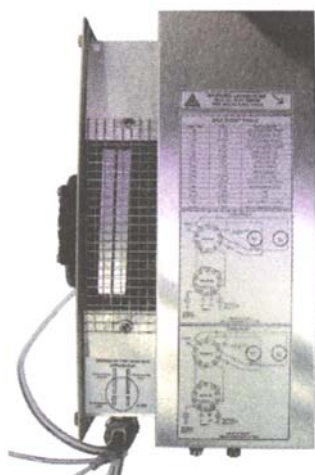
SRI offers a variety of trapping options for preconcentrating or enriching samples for GC analysis.

- **Traditional Heated Adsorbent Trap** for preconcentrating molecules between C_3 and C_{15}
- **CryoCooled Peltier Trap** for very volatile molecules like ethane and hydrogen sulfide
- **Permeation Trap** for gases dissolved in liquid samples
- **Enrichment Coil** for thermal modulation of gas streams

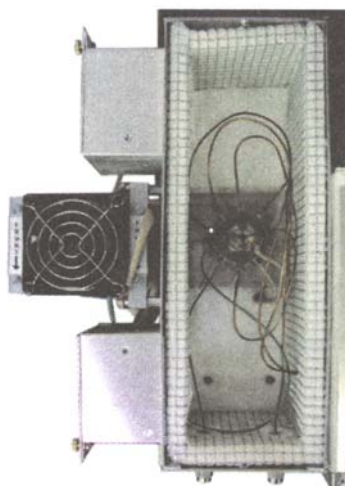
In terms of flow, the preconcentrator is always upstream of the GC column oven. Trap and valve ovens are mounted on the left-hand side of the GC. The GC shown at right has a TO-14 Air Concentrator with a CryoCooled Peltier Trap.



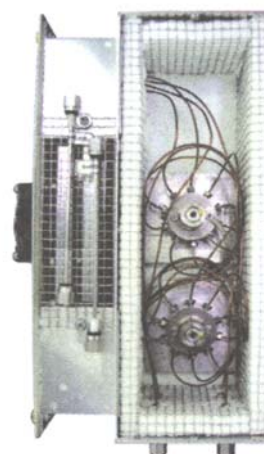
Most of these options employ the versatile 10-port gas sampling valve described on the previous pages. Each valve in turn requires a heated valve oven. The only exception featured here is the Enrichment Coil option, designed for use on the Model 110 detector chassis or in the GC column oven.



Permeation trap with DGA/TOGA accessory



CryoCooled Peltier Trap



Dual TO-14 Air Concentrator (four traps, two valves)