

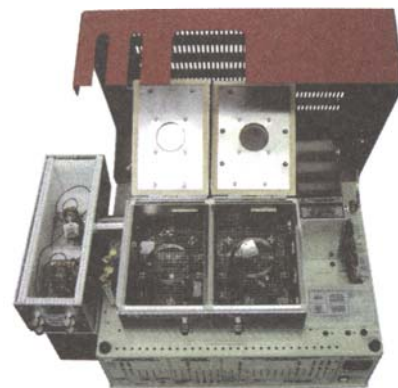
GC Column Oven Options

Three temperature programmable oven types are available for SRI GCs:

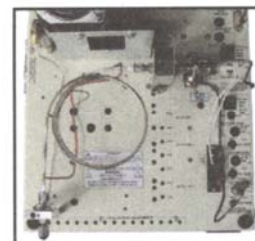
1) The large air bath column oven comes standard on the 8610C chassis. This oven will accommodate a single column on a seven inch diameter cage, or multiple columns coiled on smaller cages or bundled without a cage. This oven is rated to 400°C and is equipped with a 600 watt heater and fast cool-down fans.



2) The small air bath column oven comes standard on the Model 310 chassis. This oven will fit multiple columns coiled within five inches diameter (3.5" or 4" coil size preferred). This oven is also rated to 400°C and is equipped with a 600 watt heater and fast cool-down fans. With the same heater wattage and cool down fans as the large oven in a smaller volume, this oven heats and cools faster. Dual, independently programmable small air bath ovens are installed on the Model 8610D GC chassis. The second oven is 4.5" wide, so only columns coiled smaller than four inches in diameter can be used.



3) The Virtual Oven™ is optionally available on the 8610C, 8610D and 310 GC chassis; use part number 8690-1000 to request it in place of an airbath column oven. The Virtual Oven™ provides for the programmable heating and very rapid cooling of a 1/8" OD packed column up to two meters in length. Using low voltage AC to resistively heat the column, the column itself becomes the heater. The advantages of the Virtual Oven™ are:



- a) Temperature ramp rates up to 99 degrees per minute are possible
- b) Cool-down is very fast (250° to 50° in one minute)
- c) Temperature control very close to ambient (ambient +3°C)
- d) Low power consumption