HTA 40-Vial Headspace Autosampler

- **Interfaces with SRI and other GCs**
- **Holds 40 Standard 20mL Headspace Vials**
- **Injects Directly into the GC—No transfer lines**
- **6 Position Incubator with Orbital Shaking**
- **Progressive Sample Transfer**

The Headspace Autosampler is designed to meet the requirements of static headspace injection for GC analysis. The swivel head design simulates the movements of manual direct injection and eliminates the need for transfer lines.

The injection tower smoothly transports vials to the 6 position incubator, where they are orbitally agitated at the user-programmed temperature. The heated syringe then samples the headspace and injects directly into the GC. The 2.5 or 5mL syringe is purged with inert gas after injection. The incubator oven and the heated syringe have the same programmable temperature range of 40° to 150°C. The rotating design leaves the injection port available for manual injections at any time. The autosampler processes samples so that headspace injections start immediately after previous run is completed.

OPERATING SPECIFICATIONS

Sample conditioning	
Oven temperature	40°C - 150°C
Incubation time	0:00 - 24:00 hr
Progressive heating time	0:00 - 9:59 hr
Oven shaking time	variable
Sample withdrawal	
Syringe temperature	40°C - 150°C
Sample volume	steps of 0.01mL
Flushing flow rate	0.1 - 99.9mL/min
Sample homogenization	up to 15 strokes
Syringe size	2.5 or 5mL
Injection	
Injection speed	0.1 - 99mL/min
Pre/post injection swell time	0 - 99 sec
Post injection syringe flush time	0 - 9.9 min

Up to 10 analytical methods, including all the user-selected options listed in the OPERATING SPECIFICATIONS table, may be stored in the autosampler's memory.

8690-4000	**HTA 40-Vial Headspace Autosampler**

HTA 110-Vial Liquid Autosampler

- **Holds 110 2mL or 2.5mL vials**
- **Interfaces with SRI and other GCs**
- **15-Step Automatic Injection Sequence**
- **Direct Injection, No Transfer Lines**

The 110-Vial Liquid Autosampler is made to meet the high throughput liquid injection needs of your GC analysis. Like the Headspace Autosampler, the swivel head design simulates the movements of manual direct injection and eliminates the need for transfer lines, as well as leaving the injection port free for manual injections. Up to 10 analytical methods, including function speeds, may be stored in the autosampler's memory.

The automatic injection sequence may have up to 15 steps, which may be programmed to include:

- First sample of group
- Last sample of group
- Analytical method
- Number of injections for each sample
- Pre and Post washing solvent position
- Internal Standard position (if used)

The sampling system eliminates air bubbles, and the variable fill speed allows for a wide range of sample viscosities. The syringe may be washed with solvent or sample.

OPERATING SPECIFICATIONS

Sampling	
Sample volume	steps of 0.1µL
Air volume	steps of 0.1µL
Aspirating speed	0.1µL - 100µL/sec
Needle washing	up to 15
Air bubble removal	up to 15 strokes
Viscosity time	1-60 sec
Syringe sizes	1, 10, 25, 50, 100µL 1000µL large vol. version
Injection	
Injection speed	0.1µL - 100µL/sec
Waiting time before and after inject	1-60 sec
Injection depth	variable
Internal Standard Technique	
IS volume	steps of 0.1µL
Air gap volume	steps of 0.1µL
Mode	1 or 2 air gaps

8690-3000	**HTA 110-Vial Liquid Autosampler**