

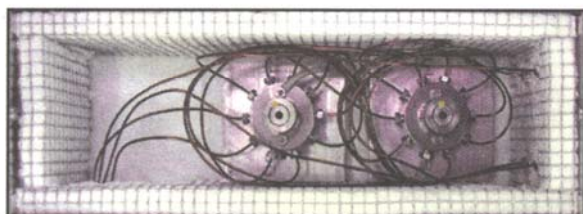
10-Port Gas Sampling Valves and 22-Port Selector Valves

- **Heated, Thermostatted Valve Oven**
- **Standard & Custom Plumbing Configurations**
- **Electronically Actuated with PeakSimple Control or Manually Actuated**
- **1, 2, or 3 Valve Capability**



22-port stream selector valve on our 10 position Method 5030 Purge & Trap Autosampler

SRI uses 10-port gas sampling valves because they provide more analytical flexibility for the same cost as 4 or 6 port valves. 10-port gas sampling valves can easily be plumbed to replicate the function of the simpler valves, while offering many other possible configurations. SRI offers standard plumbing configurations, including: *Inject Only*, *Inject and Backflush*, *Pre-column Backflush to Vent*, *Column Sequence Reversal*, *Alternate Loop Inject*, and *Dual Loop-Dual Column*. Many more plumbing configurations are possible, especially when multiple valves are plumbed together.



Dual 10-port gas sampling valves in the heated valve oven of a customized dual TO-14 injector

The optional valve oven, mounted on the 8610C GC, can accommodate two electrically operated plus one manually operated valve, and can be adjusted from ambient to 175°C (up to 300°C for the manual valve). Because the valve oven is immediately next to the column oven, tubing runs are short with no cold spots, which results in sharper peaks.

Each valve includes 1/8" stainless steel bulkhead fittings on the front of the optional valve oven for sample in/out connections. A single heated (375°C max) fast-cooling adsorbent trap plumbed as the loop of the gas sampling valve is also available for applications where sample concentration is desired. The trap cools to a user-controlled setpoint, not just to ambient temperature, so the adsorbent characteristics (water rejection, etc.) can be manipulated. Also available is a 10-port pneumatic diaphragm valve for use within the 8610D's valve oven, which is too narrow for the regular 10-port gas sampling valves.

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| 8690-0063 | 10-Port Manually Actuated valve, plumbed & tested |
| 8690-0065 | 10-Port Electrically Actuated valve, plumbed & tested |
| 8690-0077 | Automated 22-port, 10-Stream Selection valve, plumbed & tested |
| 8690-0088 | Heated, thermostatted valve oven mounted on an 8610C GC |
| 8690-0061 | 10-port Pneumatic Diaphragm valve, plumbed & tested |
| 8690-0091 | Narrow heated, thermostatted valve oven mounted on an 8610D GC |