

# SPECIFICATIONS

## AutoChem<sup>®</sup> 2950 HP



### CONTROL TEMPERATURE SYSTEM

<b>Range</b>	-100 °C to 1100 °C with CryoCooler Ambient to 1100 °C (without CryoCooler)
<b>Selection</b>	Digitally set, 1 °C increments
<b>Ramp Rates</b>	Up to 50 °C per minute within -70 to 500 °C Up to 30 °C per minute from 500 to 750 °C Up to 10 °C per minute from 750 to 1100 °C

### GASES

<b>Loop (Analysis)</b>	Hydrogen, Monoxide, Oxygen, Nitrous Oxide, Ammonia
<b>Carrier</b>	Helium, Argon, and other gases
<b>Preparation</b>	Hydrogen, Oxygen, Helium, Argon and others

### GAS FLOW RATE

Three Mass Flow Controllers (MFCs)	
<b>Manual Control</b>	10 to 100 cm <sup>3</sup> /min*
<b>Automatic Analysis</b>	10 to 75 cm <sup>3</sup> /min Pressure Specifications Ambient to 1000 psia accurate to 0.5% of full scale

### GAS DELIVERY

<b>Inlet Ports</b>	4 each for preparation gas, carrier gas and loop (analysis) gas
<b>Temperature Control</b>	Internal gas lines and valves heated up to 150 °C

\* Rate for Hydrogen; other gases have different range.