



## AUTOCHEM II 2920 CHEMISORPTION SPECIFICATIONS

<b>Electrical:</b>	Voltage: 85 to 265 VAC Frequency: 50/60 Hz Power: 1100 VA, operating, max.
<b>Control Module:</b>	<b>Minimum Requirements</b> Processor: Pentium 333 MHz or equivalent Operating System: Windows 2000 or XP Professional Memory: 128 megabyte of random-access memory RAM Hard Disk Space: 1-gigabyte hard drive Graphics Card: 800 x 600 super VGA One CD ROM drive
<b>Options:</b>	Vapor Generator CryoCooler
<b>Temperature system:</b>	Range: -100 °C to 1100 °C with Cryo-Cooler option  Ambient to 1100°C (without CryoCooler)  Selection: Digitally set, 1 °C increments  Ramp Rates: Up to 50°C per minute from 120 to 500 °C range Up to 30 °C per minute from 500 to 750 °C range Up to 10°C per minute from 750 to 1100 °C range
<b>Gases:</b>	Loop (Analysis): H <sub>2</sub> , CO, O <sub>2</sub> , N <sub>2</sub> O, NH <sub>3</sub> vapors such as pyridine, water, etc. Carrier: He, Ar, and other gases Preparation: H <sub>2</sub> , O <sub>2</sub> , He, Ar, and others
<b>Gas Flow Rate:</b>	<b>All Mass Flow Controllers (MFCs)</b> Manual Control: 0 to 100 mL/minute* Automatic Analysis: 10 to 75 mL/minute *Rate for Hydrogen; other gases have a different range.
<b>Gas Delivery:</b>	Inlet Ports: (12) 4 each for preparation gas, carrier gas and loop (analysis) gas Temp. Control: Internal gas lines and valves heated up to 150 °C
<b>Sample Tube:</b>	Type: Fused quartz Flow-Thru sample tubes, for use up to 1100 °C, accepts powders and pellets up to 9 mm in diameter
<b>Physical:</b>	Height: 62 cm (24.5 in.) Width: 66 cm (26.0 in.) Depth: 58 cm (22.75 in.) Weight: 60 Kg (130 lbs.)
<b>Environment:</b>	Temperature: 15°C to 35°C operating 0°C to 50°C nonoperating Humidity: 20 to 80% relative, non-condensing