

## SALIENT CHARACTERISTICS

The HT GPC should meet or exceed the following technical specifications when evaluated as described for each value:

### **Operating Temperature Range**

*40 °C up to 220 °C*

### **Solvent Reservoir**

*Capacity: at least 4 L*

*Temperature: maintained at 40 °C*

### **Autosampler**

*Injection volume: 10 to 500 mL*

*Number of samples: 24 or more*

*Vial size: 2-10 mL injection vials*

*Temperature: must be able to heat in the range of 40 °C up to 220 °C*

### **Pump**

*Type: Dual, independent, and temperature controlled (40 °C up to 220 °C)*

*Max pressure: 15 MPa*

*Flow Rate: 0.1 to 2.0 mL/min*

*Precision: +/- 0.2%*

*Accuracy: +/- 3%*

### **Oven**

*Capacity: 7.8 mm ID x 30 cm or smaller*

*Temperature range: 40 °C up to 220 °C*

### **Detector**

*Type: RI dual flow with a tungsten light source, must be able to add a viscometer detector after initial purchase*

*Drift:  $3 \times 10^{-7}$  RIU/h*

*Noise:  $1.5 \times 10^{-7}$  RIU/h*

*Volume: 10 mL*

**Additional Features/Requirements**

All software and hardware (desktop, monitor, printer, etc.) required for data analysis must be included in the quotation. The data file format should easily allow sharing/transfer of data files as individual electronic documents, which are readable by the same data analysis package. The data analysis program should also include a .pdf generator, for the efficient export of analyzed plots.

The quotation must include an on-site installation and training.

Instrument must come with at least 1-year warranty, parts, and labor included, from date of installation.