

Metalox, Inc. Launches New Line of High Temperature HPLC Column Heaters

The first model, the Metalox[®] 200-C, offers Chromatographers a High Temperature HPLC Column Heater, with a Maximum Temperature of 200°C, designed to meet the challenges of Ultra Fast High Temperature Liquid Chromatography (UFHTLC).

Anoka, MN (December 16, 2002) – A new line of high temperature HPLC column heaters has been launched with Metalox's flagship model, the Metalox[®] 200-C. The revolutionary design of the Metalox[®] 200-C column heater incorporates a four sensor cascading loop control, a patent-pending active shield adiabatic column jacket and an energy efficient micro heat exchanger. This design enables the chromatographer to take advantage of the increased speed of UFHTLC while eliminating typical high temperature chromatography issues such as irreproducibility, thermal mismatch band broadening and mobile phase overheating.

For chromatographers involved in method development and validation, the new Metalox[®] 200-C overcomes the weaknesses of traditional heater designs and offers the following unique advantages:

- Increased temperature range up to 200°C.
- Unparalleled accuracy, in the maintenance and reporting of system temperature, provided by the four temperature sensors with cascading loop pre-heater control.
- Precise adiabatic environment control to ensure that the column chamber neither gains nor loses heat.
- Reduced power consumption through the use of efficient micro heat exchangers to transfer heat from outgoing eluent to incoming mobile phase.
- Consistent user-to-user column positioning geometry facilitated by fixed column and pre-heater tubing position.
- Full compatibility with all major commercially available HPLC systems.
- Compact size (6"x10"x16") and weight (15 lbs).
- Versatility of design allows the Metalox[®] 200-C to be used in on-line kinetics experimentation as well as any other applications that require a temperature controlled environment.

Steven Rupp, President, Metalox, said "We are dedicated to enabling technology through superior design and manufacturing. To further this commitment our introductory model, the Metalox[®] 200-C, includes a set of three reversed phase ultra stable high temperature columns from ZirChrom Separations, Inc."

More information regarding the Metalox[®] 200-C is available at www.metalox.com.

About Metalox Technologies

Metalox Technologies, Inc. is a company formed in 2002 and headquartered in Anoka, Minnesota.