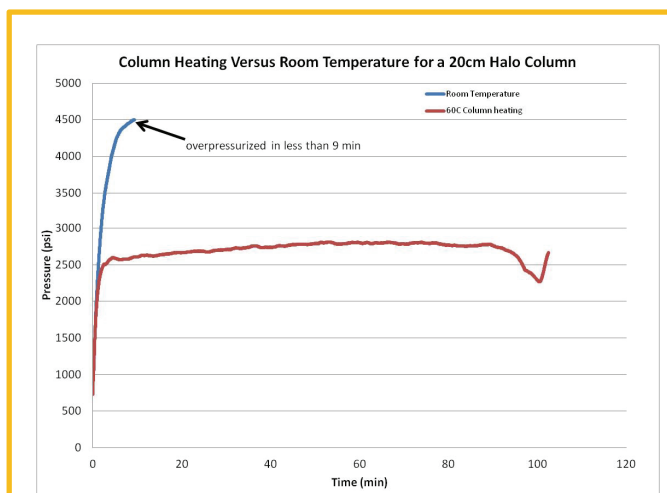


## Column Heater and Temperature Controller



- **PST-BPH-xx “Butterfly” Portfolio Heater** – Our most versatile heater, available as 20 cm x 4 cm and 15 cm x 4 cm heaters. For other dimensions, please inquire.
- **PST-CPH-xx ‘Caterpillar Portfolio Heater** for a commercial PEEKsil or conventional LC column with end fittings
- **PST-CH-xxU**: our popular “pencil” heater for bare fused silica for nanoLC-MS
- **PST-CH-xxUB**: Bendable “pencil” heater, xx= 15-50 cm



*Acknowledgment: We thank Stephen Master, MD, PhD, Assistant Professor of Pathology at the University of Pennsylvania School of Medicine. He is currently Division Chief and Director of Metabolic and Advanced Diagnostics at CHOP.*

- Improve reproducibility, mass transfer and dramatically reduce run pressures and carry-overs.
- Designed specifically for applications to increase resolution and throughput.
- Temperature range between ambient and < 80 ° C, with stability control to 0.2 ° C
- Lengths available between 6 to 25 cm for most styles. Specify when ordering. Inquire about custom lengths.

Model numbers:

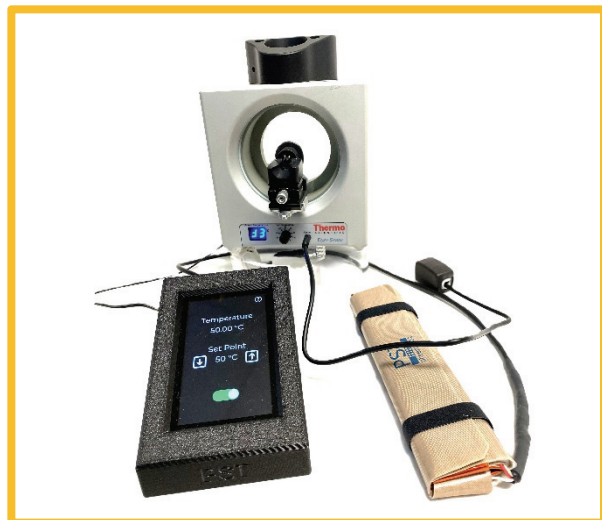
- **PST-CHC**: Column heater controller; set-and-forget base model
- **PST-CHC-RC**: Column heater controller with contact closure-controlled (LC or MS) switching between two temperatures.

### PST-CHC-RC:

- Run an analysis at around room temperature but rinse the column at a higher temperature to eliminate carry-over.
- Run at a low temperature for the first part of a gradient to maximize coverage of hydrophilic peptides and switch to a higher temperature at the last part of the gradient for better coverage and peak shapes of hydrophobic peptides.
- Remote shut-down of the column heater at the end of all the analyses through the MS’s contact closure control.

## Column Heater Controller –REFRESHED

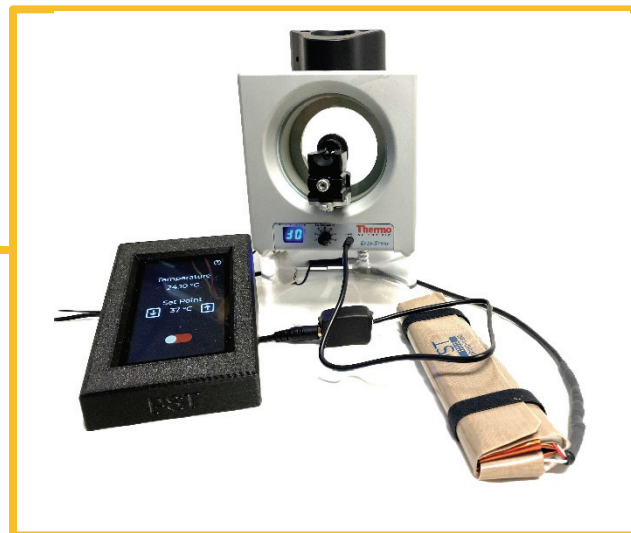
PST-CHC-D; PST-D-BPHI



### PST-CHC-D Column Heater Controller

- D for digital
- Controls the column heater temperature to +/- 0.1 °C
- Touchscreen control
- Highest achievable temperature: 60 °C. For higher column temperatures, please select PST-CHC, the original controller.

**! Control column heaters with digital electronic temperature sensors, but not the analog thermocouple sensors.**



### PST-D-BPHI Butterfly Portfolio Heater

- Compatible with both the digital PST-CHC-D column heater controller for use with the NanoFlex source, CaptiveSpray™ source, etc., and the OEM column heater controller of the Easyspray source.
- An adapter cable is needed to plug into the Easyspray source (PST-DD)

#### Model Number:

PST-D-BPHI-20, 20 cm x 4 cm

PST-D-BPHI-15, 15 cm x 4 cm

PST-DD-BPHI-xx For both Nanoflex and Easyspray sources

Please contact Phoenix S&T for other column heater sizes or styles.

**Coming soon!** Pencil Box Heater and Temperature Controller compatible with both the Nanoflex and the Easyspray sources

