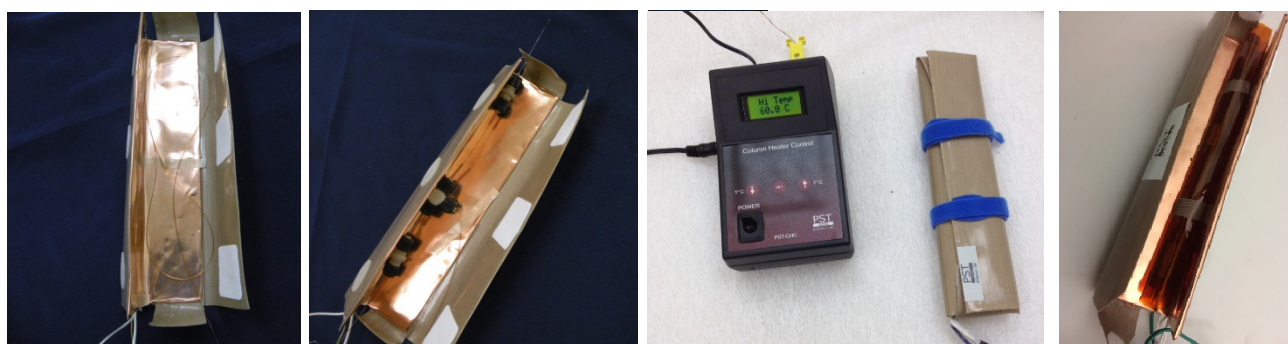


The Butterfly Heater : PST-BPH, PST-BPHI

The heater that heats complex nanoLC systems:

analytical column, vented trap column, filter, fittings, transfer lines, spray tip, >50 cm long columns, Pharmaceutical columns and traps, Ion-Opticks columns, CoAnn columns, and any other columns



From left: 1) Butterfly heater with a 70 cm long column coiled and taped within; 2) Butterfly heater with a vented trap column, an analytical column, a spray tip, transfer and waste lines, and all the fittings; 3) The closed Butterfly heater heated by the column heater controller PST-CHC; 4) PST-BPHI: Butterfly heater with an electrically insulated heating surface for heating metal parts.

- Even, stable (to within 0.2 °C) temperature throughout the whole hot “pocket” formed by the closed Butterfly heater when controlled by Phoenix S&T’s column heater controller: PST-CHC.
- Easy placement of chromatographic fittings and columns, including vented columns, in the portfolio when it is “open”, and the closed heater can be placed adjacent to the MS source.
- Contents of the heater can be conveniently secured in place by heat-resistant tape.
- Maximum temperature achievable is 100 °C.
- Accessories for insulating the union or Tee for high voltage liquid junction inside the heater are available. Beginning in June, 2023, all Butterfly Heaters have insulating linings.

Model numbers: PST-BPH-20 (20 cm x 4 cm); PST-BPH-20W (20 cm x 6 cm); PST-BPH-6S

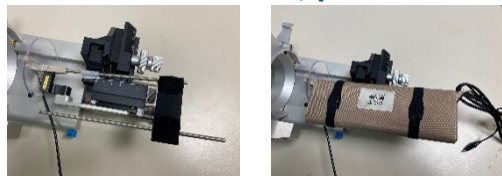
PST-BPH-10, 15, 17 (10 cm x 4 cm, 15 cm x 4 cm, 17 cm x 4 cm)

PST-BPHI-20 (20 cm x 4 cm) with an electrically insulated interior

PST-CHC column heater controller with power supply

PST-BPH-6S Trap column heater

For other dimensions, please contact us.



Butterfly heater accessories:

PST-CH-NF: heater support for the Nanoflex source

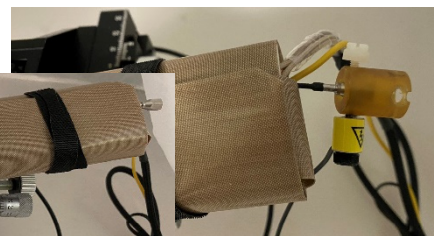
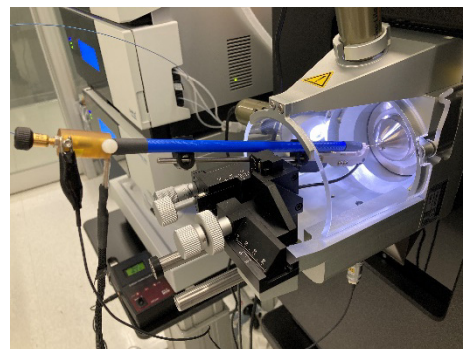
PST-CH-ES2: heater support for the Easyspray source



Nano-LC Column Heaters for Every Application

Pencil and Butterfly Heaters for nanoLC columns with fittings

- Ion Optick's Aurora columns
- CoAnn Columns

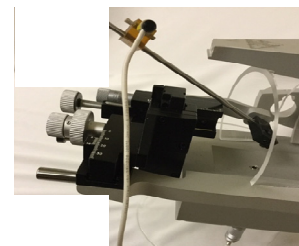


Model numbers:

25 cm long CoAnn or Ion-Opticks Columns
Pencil Heater: PST-CH-IO-25/ PST-CHW-22

Please contact us about custom lengths.

Accessory: Magnetic coupler and HV cable for the metal fitting of the column



Pharmafluidics columns and trap columns



Model numbers:

Pharmafluidics Columns : PST-BPH-20
Pharmafluidics Trap Columns: PST-BPH-6S

Please contact us about custom lengths.

PST-ES-BPHI

- Butterfly heater for the Easy-Spray source. The heater surface is electrically insulated
- Suitable for the Pharmafluidics columns and any other columns
- PST-ESR-BPHI – heater with emitter adapter PST-ES

