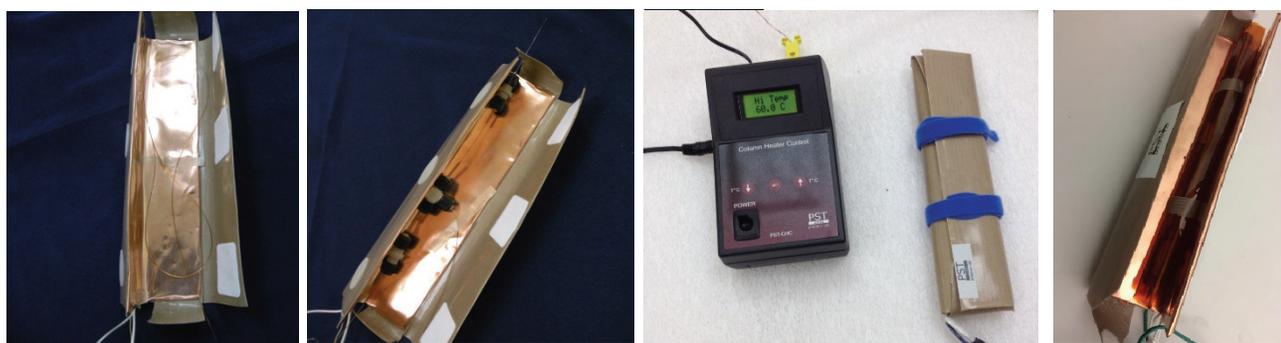


The Butterfly Heater : PST-BPH, PST-BPHI

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.

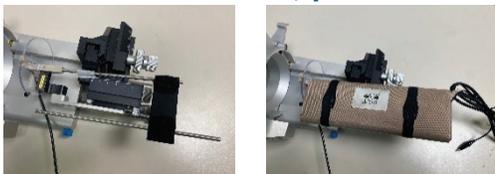
Model numbers: PST-BPH-20 (20 cm x 4 cm); PST-BPH-20W (20 cm x 6 cm); PST-BPH-6S

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

For other dimensions, please contact us.



Butterfly heater accessories:
PST-CH-NF: heater support for the Nanoflex source
PST-CH-ES: heater support for the Easyspray source

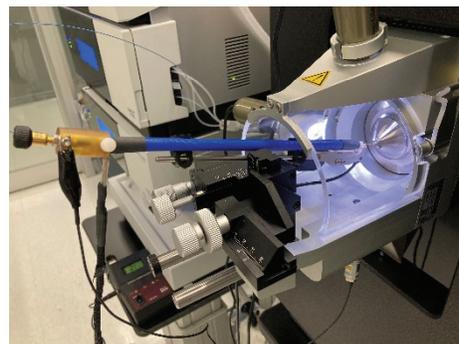


Nano-LC Column Heaters for Every Application

Pencil and Butterfly Heaters for nanoLC columns with fittings

- Ion Optick's Aurora columns or CoAnn columns, 5 cm, 15 cm, 25 cm

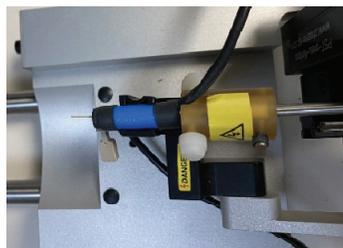
- Plug-and-Play installations
Model numbers:



For the Nanoflex source:

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

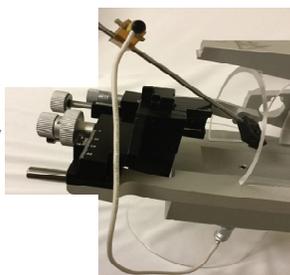
PST-CH-IO-5: Column heater for a 5 cm long Ion-Opticks column



For the Easyspray source (Jailbreak series):

PST-ESR-IO-25
PST-ESR-IO-5

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



Butterfly Heaters -The heater surface is electrically insulated and the mounting support is available for the Easyspray and Nanoflex sources

- for the Pharmafluidics columns and trap columns

Model numbers:



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

Please contact us about custom dimensions for the other specialty columns and sources.

- PST-BPHI-20: Butterfly heater for the Nanoflex source



Butterfly heater for the EasySpray source. Suitable for the Pharmafluidics columns and any other columns.

- PST-ESR-BPHI—heater with emitter adapter
PST-ES

Ordering Information:

(610) 876.6081 info@phoenix-st.com www.phoenix-st.com