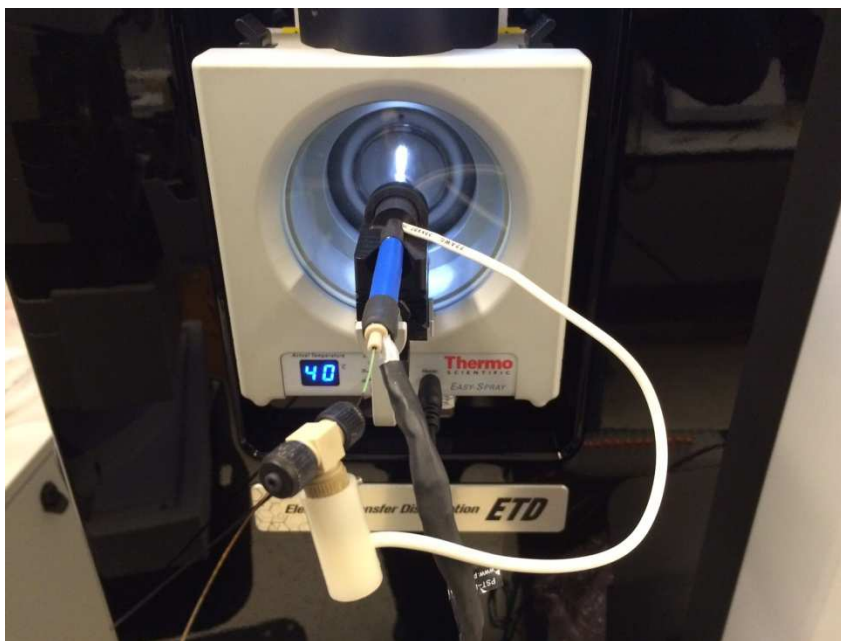


PST-ESR-xx, xx = the length of the column heater in cm

PST-ESR-xxU with liquid junction union

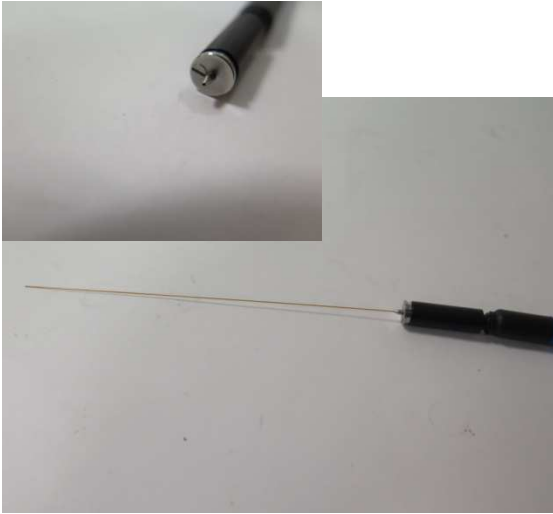
PST-ESR-xxT with liquid Tee junction

The PST-ESR column heater is designed specifically for use in the Thermo MS Easy-Spray source.



For technical support, please contact Phoenix S&T at
610-876-6081 or info@phoenix-st.com

A. Installing the column into the column heater



Insert the end of the column into the stainless steel nozzle of the column heater



Push the column through the heater to the exit end until only 1-2 mm of the spray emitter protrudes from the nozzle end during spray.



Hand-tighten the nut and sleeve (if needed) so that the column is held in place inside the column heater.



HV carrier

Drain hole

When the column has been installed in the heater, insert this end of the heater into the Easy-Spray source until the heater has clicked into place.

1. To protect the spray tip, it may be advisable to withdraw the spray tip inside the stainless steel nozzle during heater insertion, and then extend the tip out of the nozzle once the heater is in place.
2. Rotate the drain hole so that it points downward. The drain hole is for draining eluates that have accidentally flowed back into the heater to drain out before reaching the heating element.
3. The HV is carried on the stainless steel cap to the HV liquid junction via the HV cable routed through the PEEK portion of the heater.



Insert this plug into the jack in the Easy-Spray source. This plug is a pin-for-pin match of the conventional Easy-Spray column. Regulate the temperature of the heater the same way as in the Easy-Spray column.

Connecting the capillary column to the high voltage liquid junction : A high voltage cable is supplied with the PST-ESR to be connected to the high voltage liquid junction device the user supplies. If the PST-ESR-xxU and PST-ESR-xxT is purchased. below is the instructions for connecting to the union (Upchurch UP-436 uPLC compatible stainless steel union) or the Tee (Upchurch MicroTight PEEK Tee P-888 with P-152 sleeveless ferrule for 360 um capillaries). **NOTE: when handling the UH-436, be careful of the stainless steel insert inside the union that can fall out easily when the nut and ferrule are removed.**

PST-ERS-xxU



The stainless steel union UH-436 is housed inside an insulated housing. Install the column and transfer line in the union as usual –AVOID REMOVING THE NUT AND FERRULE DURING COLUMN INSTALLATION. Insert the union into the housing and turn the union body until the union is snug inside the housing. Alternatively, insert the union into the housing with the ridges of the hexagonal cylinder in the vertical direction.



Attach the magnetic cap of the HV cable to the magnet extending from the housing.



Make sure that the cable is firmly attached to the HV housing and the union is snugly held inside the housing.



PST-ESR-xxT

The Tee liquid –junction with a gold wire for making electrical contact with the buffer is permanently attached to the HV cable. The column and transfer line are connected to the Tee without sleeves.



CAUTION High Temperature Hazard. Confirm heater is at a temperature to be safely handled before proceeding.

There is a 1-year limited warranty on parts and labor for the column heater, The 1-year factory warranty does not cover the union or the Tee.

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