

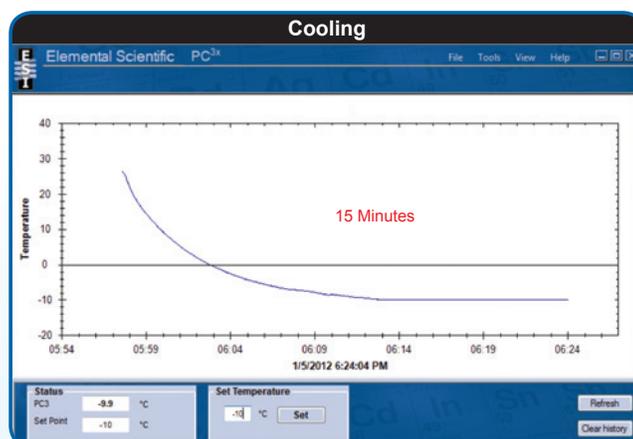
# PC<sup>3x</sup> Peltier Controlled Cyclonic Chamber

## Thermally stabilized inlet system for ICP-OES or ICP-MS

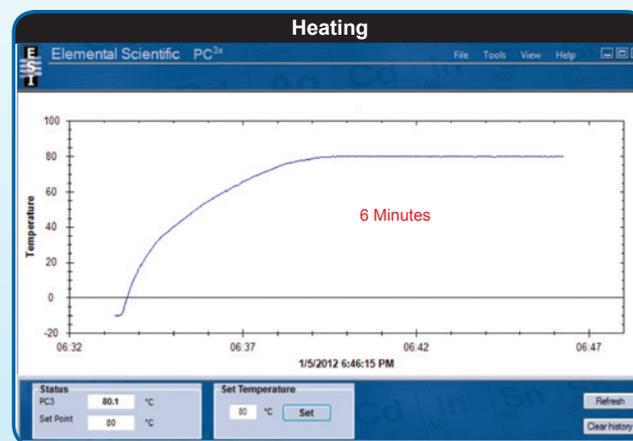
The PC<sup>3x</sup> is a compact Peltier heated and cooled inlet system which incorporates the ESI cyclonic spray chamber. The PC<sup>3x</sup> heats or cools the outer walls of the cyclonic spray chamber, reducing the water or solvent vapor loading on the plasma, resulting in enhanced stability and performance. The PC<sup>3x</sup> can be connected to any ICP-OES or ICP-MS.

The spray chamber can incorporate any 6 mm nebulizer and is ideally suited to the [PFA-ST Microflow nebulizer](#).

- Temperature control from -10°C to +80°C
- Heating function to increase sensitivity
- Cooling function to reduce solvent-related interferences
- Thermal stabilization of spray chamber improves long-term stability
- Stability to  $\pm 0.1^\circ\text{C}$
- Temperature logging feature
- Last set temperature saved for stand alone operation
- USB or Bluetooth connectivity
- Remote monitoring and control
- Fast rinse-out using PFA-ST nebulizer and o-ring-free cyclonic spray chamber
- PC<sup>3x</sup>-SSI model for isotope ratio determination or other high precision analyses.
- Completely o-ring-free for organic solvents analysis.
- Organic solvent analysis using PFA-50 nebulizer.
- Aqueous sample analysis using PFA-ST nebulizer.



26°C to -10°C



-10°C to 80°C