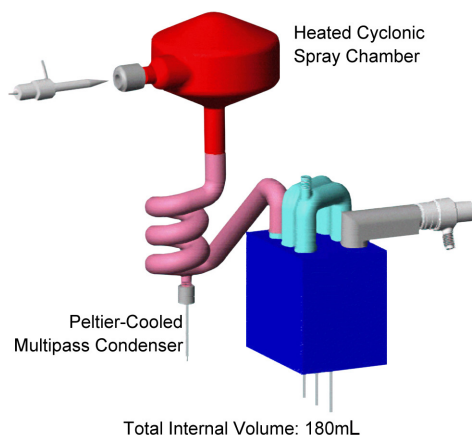


Apex 2

High Sensitivity Sample
Introduction System



Custom temperature settings for heater and cooler. Patented flow path design ensures rapid wash-in / washout.

US Patent # 6864974

Benefits

- Increases sensitivity by 6x to more than 10x, depending upon sample flow rate
- Features complete software control of:
 - N₂ addition gas mass flow controller
 - Ar addition gas mass flow controller
 - Heated spray chamber temperature
 - Peltier-cooled condenser temperature
 - Micro peristaltic drain pump
- Reduces oxides (1% CeO⁺/Ce⁺)

Apex 2 High Sensitivity Sample Introduction System

The next generation of the highly successful Apex system features integrated mass flow controllers for precise nitrogen and argon addition. Integrated software control enables fine control of temperatures and gas flows.

The system maximizes ICPMS sensitivity by nebulizing liquid samples into a heated cyclonic spray chamber. The multi-stage Peltier-cooled condensing system removes the solvent vapor, reducing the oxides. Apex 2 is available with either a quartz or HF-resistant PFA flow path, as well as an additional optional mixing chamber.

Model	Description	Part Number
Apex 2 Q	Apex 2 Q desolvation system with quartz spray chamber and Peltier-cooled quartz condenser.	APX-2Q
Apex 2 HF	Apex 2 HF desolvation system with PFA spray chamber and Peltier-cooled PFA condenser	APX-2HF
Apex 2 IR	Apex 2 IR desolvation system with quartz spray chamber, Peltier-cooled condenser, and additional mixing chamber	APX-2IR

