

Temperature Controlled Spray Chambers

PC³ Peltier Coolers

The PC³ is a small and robust Peltier cooler for ICP-MS cyclonic spray chambers. The cyclonic spray chamber offers the advantages of low memory effects, fast rinse-out and high sample transport efficiency. The PC³ cools the outer walls of the cyclonic spray chamber to a constant temperature, enhancing long-term signal stability, reducing polyatomic interferences such as oxides, and reducing solvent loading when volatile organic solvents are analyzed. The PC³ has two preset temperatures +2 °C / -5 °C and is ideal for analysis of aqueous or aqueous/organic mixtures. The PC³-LT operates at +2 °C / -20 °C to reduce the solvent load on the plasma for analysis of 100% volatile organic solvents.



ICP-MS Model	Description	Part No.
ELAN	Cassette Torch Mount	N8122410
ELAN	Twist Type Torch Mount	N8122389
ELAN	PC3-LT	N8122452

IsoMist Temperature Controlled Spray Chambers

The IsoMist Programmable Temperature Controlled Spray Chamber provides the benefits of a temperature-controlled ICP sample introduction system in a compact, convenient package. The temperature is electronically controlled using a powerful inbuilt Peltier device. You can select any temperature between -10°C and +60°C in 1°C increments to provide the optimum conditions for any application. The rapid response of the Peltier device allows a spray chamber temperature of -5°C to be reached within 15 minutes.



The IsoMist XR programmable temperature controlled cyclonic spray chamber now features an improved thermodynamic design providing an extended temperature range and faster cool-down, so your ICP is ready to go sooner. IsoMist XR has a peltier unit with a range of -25°C to +80°C.

ICP-MS Model	Description	Part No.
NexION 300/350	IsoMist Glass	N8141426
ELAN	IsoMist Glass	N0777364
NexION 300/350	IsoMist XR Glass	N8140747
NexION 300/350	IsoMist XR PFA	N8140748
NexION 300/350	IsoMist XR Quartz	N8140749

Sample Introduction Kits

Complete high purity sample introduction system for NexION 300/350.

All wetted surfaces are PTFE and Pt. Used by a majority of semiconductor labs worldwide for the analysis of semiconductor grade chemicals and Si wafer samples.



Description	Part No.
PFA-Platinum HF resistant Sample Introduction Kit Includes: Microflow PFA-100 Nebulizers Qty. 2 (N8122351), 47 mm PFA Spray Chamber, PFA PureCap Endcap (N8122357), Threaded Drain Line (N8141425), 2 mm Pt Cassette Injector with PFA Base (N8122412), Pt Injector Shield Disc (N0777366), Quartz Torch (N8122006)	N8142001

Complete HF-resistant sample introduction system for NexION 300/350. All wetted surfaces are PTFE and Sapphire. Provides a chemically inert and clean introduction system.



Description	Part No.
PFA-Sapphire HF-Resistant Sample Introduction Kit Includes: 47 mm PFA Spray Chamber, PFA PureCap Endcap (N8122357), 1.8 mm Sapphire Injector (N8122411), Quartz Torch (N8122006), Platinum Shield Disc (N0777366), PFA-ST Nebulizer (N8122192)	N8142002

HF Sample Introduction Kit

Description	Part No.
HF Sample Introduction Kit for NexION 300/350 Includes: Tygon Tubing 0.3 m/per ft. (02506516), PTFE Coated O-Ring 0.239 ID x 0.070 WD (09210011), PTFE Coated O-Ring 0.364 ID x 0.070 WD (09210012), Polyethylene Tubing for AA Neb, 10 ft. (09908265), PVC Black/Black Tubing 0.76 mm ID, Pkg. 12 (09908587), Adapter Kit 1/8x1/8 (09920379), Sapphire Injector 2.0 mm 3000/SCR/3x00 RL (N0695495), Cross-Flow II Nebulizer End Cap ELAN (N8120516), Quartz Torch (N8122006), 3.18 mm ID Black/White PVC Pkg. 12 (N8122012), HF Sample Introduction Kit (N8140507), Spray Chamber Kit Etched (N8140511), Injector Nut (W1012408), Injector Spacer (W1012409), Torch Spacer (W1012410), Cassette Torch Mount Adapter (W1013266), PTFE O-Ring 5/8 in. ID x 1/8 in. Wide (W1013545), Scott Spray Chamber Adapter (W1024879)	N8140507