

## Temperature Controlled Spray Chambers

### PC<sup>3</sup> Peltier Coolers

The PC<sup>3</sup> 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 PC<sup>3</sup> 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 PC<sup>3</sup> has two present temperatures +2 °C / -5 °C and is ideal for analysis of aqueous or aqueous/organic mixtures. The PC<sup>3</sup>-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	<b>N8122410</b>
ELAN	Twist Type Torch Mount	<b>N8122389</b>
ELAN	PC3-LT	<b>N8122452</b>

### 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	<b>N8141426</b>
ELAN	IsoMist Glass	<b>N0777364</b>
NexION 300/350	IsoMist XR Glass	<b>N8140747</b>
NexION 300/350	IsoMist XR PFA	<b>N8140748</b>
NexION 300/350	IsoMist XR Quartz	<b>N8140749</b>

## 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 ( <b>N8122351</b> ), 47 mm PFA Spray Chamber, PFA PureCap Endcap ( <b>N8122357</b> ), Threaded Drain Line ( <b>N8141425</b> ), 2 mm Pt Cassette Injector with PFA Base ( <b>N8122412</b> ), Pt Injector Shield Disc ( <b>N0777366</b> ), Quartz Torch ( <b>N8122006</b> )	<b>N8142001</b>

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 ( <b>N8122357</b> ), 1.8 mm Sapphire Injector ( <b>N8122411</b> ), Quartz Torch ( <b>N8122006</b> ), Platinum Shield Disc ( <b>N0777366</b> ), PFA-ST Nebulizer ( <b>N8122192</b> )	<b>N8142002</b>

## HF Sample Introduction Kit

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