

PFA High Purity Sample Introduction Systems

Inert sample introduction technology for improved background and detection limits

Easy to install, inert, high purity, o-ring free upgrade kit. A reliable ultra pure analysis technology to complement ICP and ICPMS systems.

- Easy installation on virtually all ICP-OES & ICP-MS systems
- Clean Teflon[®] PFA components for lower background equivalent concentration (BEC) and detection limits
- O-ring free connections - ensures lowest BEC's, highest chemical resistance and easy cleaning
- Chemically resistant - suitable for nearly all samples, including strong acids, alkalis and organic solvents.
- Sapphire or platinum injector
- Two self-aspirated or pumped PFA nebulizers included
- Low sample consumption - ideal for VPD and preconcentrated samples



All Teflon[®] o-ring free full upgrade kit for ICP or ICPMS systems

Teflon[®] is a registered trademark of DuPont

Elemental Scientific Inc.

Phone: 1.402.561.6817

P.O. Box 31396

Fax: 1.402.561.6818



Systems for a variety of applications

ESI introduction systems connect directly to the ICP sample introduction area. Three main configurations are available to meet the needs of most applications:

- ▲ **Sapphire system upgrade**
Includes a 1.8mm sapphire injector, ideal for high purity and low background applications.
- ▲ **Platinum system upgrade**
Includes a 2.0 tapered platinum injector, improved performance for sub to low ppt determination.
- ▲ **Organics system upgrade**
Includes a 1.0mm sapphire injector and two PFA-20 nebulizers, ideal for direct analysis of volatile and non volatile organic solvents.



ESI HF resistant injectors (Platinum or sapphire) are compatible with most high purity

All PFA Upgrade Kits include:

- ▲ 2 PFA self-aspirating MicroFlow Nebulizers
- ▲ 1 Precision Quartz Torch
- ▲ 1 PFA o-ring free PureCap endcap
- ▲ 1 HF resistant injector (Pt or sapphire)
- ▲ 1 PFA PureChamber spray chamber
- ▲ All necessary gas lines and connectors



Any combination of PFA nebulizers, including all MicroFlow and ST configurations are available.