

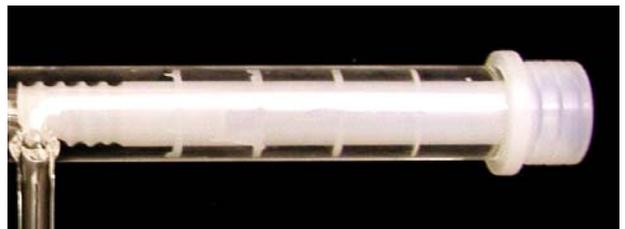
# Precision Quartz Torch and O-ring Free Injector for Leeman Labs ICP

Part of a complete o-ring free sample introduction system for Leeman ICP systems

- ▲ Direct replacement for the standard Leeman ICP torch
- ▲ O-ring-free seal
  - reduces contamination
  - easy to clean
  - easy to insert
- ▲ Precision alignment of torch and injector eliminates injector wobble and off-axis deflection
- ▲ Precision o-ring-free injector with PFA base available in a variety of sizes and materials including:
  - Quartz
  - Sapphire
  - Platinum
- ▲ Fits all Leeman ICP systems including Prodigy, Prism & Profile



The precision quartz torch and o-ring free injector directly replace the standard Leeman demountable torch and injector.



Precision alignment of torch and injector eliminates injector wobble and off-axis deflection.

O-ring-free seal

- reduces contamination
- easy to clean
- easy to insert



## ES-1002-1000 precision quartz torch and o-ring free injector for Leeman ICP systems

- ▲ Perfect seal without the use of o-rings
- ▲ Easy to maintain
- ▲ Stronger, reinforced torch base may reduce accidental breakage during maintenance
- ▲ Eliminates off-axis injector deflection due to suspended spray chamber
- ▲ Eliminates o-ring residue and particles



ES-1802-0002 precision quartz torch with sapphire injector for Leeman ICP eliminates o-rings from the sample introduction area.

### Leeman ICP injector series for Prodigy, Prism & Profile

Precision injectors for the ES-1802-1000 precision quartz torch. All injectors have a Teflon® PFA base and o-ring free design.

- ▲ **ES-1833-1150 quartz injector**

A 1.5 mm quartz injector tube, an economical solution for many non-HF applications. Also available in 1.0 mm i.d. for direct analysis of organic solvents.

- ▲ **ES-1803-1180 sapphire injector**

A 1.8 mm sapphire injector tube. This HF resistant injector is ideal for most high purity and low background applications. Also available in 1.0 mm, 1.6 mm and 3.0 mm i.d.

- ▲ **ES-1813-1200 platinum injector**

A 2.0 mm Pt injector tube. This HF resistant injector is recommended for improved performance for sub to low ppt Al determinations. Also available in 1.6 mm, 1.8mm and 3.0 mm i.d.



ESI Pt injector for ultra trace Al determinations. The o-ring free design ensures highest chemical resistance and easy cleaning.

Teflon® is a registered trademark of DuPont

Elemental Scientific Inc.  
P.O. Box 31396  
Omaha, NE 68131 USA

Phone: 402.561.6817  
Fax: 402.561.6818  
Email: esi@icpms.com