



## Meinhard Glass Products

### **Introducing Meinhard Glass Products**

In 1973 Dr. James E. Meinhard, produced the first reliable, reproducible glass concentric nebulizer for the exciting new instrument development: inductively coupled plasma atomic emission spectrometry. Since then, through continuing research and development efforts as well as through innovative manufacturing processes, nebulizers from J.E. Meinhard Associates have remained as the ones all others wish they could match.

### **New MEINHARD® Sample Introduction Components**

Since acquiring the nebulizer business, we have expanded Meinhard Glass Products (MGP) to include: torches and spray chambers for all major ICP and ICPMS instruments; Teflon PFA nebulizers and spray chambers from Elemental Scientific; and peristaltic pumps from Spetec. Recognized as the industry leaders, MEINHARD®, Elemental Scientific®, and Spetec® sample introduction components are now available worldwide through MGP's network of more than 40 distributors.

Elemental Scientific's Teflon® PFA nebulizers and spray chambers are preferred by the semiconductor industry because of their low background, high performance, and resistance to chemicals such as hydrofluoric acid. Complete HF-resistant sample introduction kits are available from MGP, with either cyclonic or barrel-type spray chambers.

Spetec, the leading supplier of pumps to ICP and ICPMS manufacturers, is noted for its robust design, ease of use, and long pump tubing life.

### **Special Offer for SAS Members**

In addition to supporting the Society for Applied Spectroscopy as a Sustaining Silver Sponsor, Meinhard Glass Products will provide SAS members a 5% discount on MGP sample introduction

### **Nebulizer Overstock Sale**

While supplies last, MGP is offering special pricing on TR-30-A1 nebulizers: buy one at list price, get a second one at half price, and save \$124! The TR-30-A1 is designed to operate at 1

In December 2002, Analytical Reference Materials International Corporation purchased the business and relocated it to Golden, Colorado. With Paul Dalager as President and Geoff Coleman as Vice President, Meinhard Glass Products expanded its product line to include torches and spray chambers of Meinhard quality, and developed a worldwide network of distributors to improve customer service.

Pumps are available with 1, 2, 4, or 6 channels as well as a remote control function.

Aside from continual refinement of traditional concentric nebulizers, MEINHARD® has produced two innovative, enhanced nebulizers which are especially suited for very small sample volumes or chromatographic detection. The High Efficiency Nebulizer (HEN) normally aspirates at 50 to 300  $\mu\text{L}/\text{min}$  with a carrier flow of 1 L/min. It can deliver more than 95% of the analyte solution to the plasma through a conventional spray chamber and injector. The Direct Injection High Efficiency Nebulizer (DIHEN) transports 100% of the analyte by nebulizing right at the base of, and directly into, the plasma. The DIHEN is especially suited for the analysis of highly volatile solvents.

Let us know if you would like an MGP catalog or a free copy of MEINHARD® Nebulizer Maintenance Tips. Look for us at FACSS (October 19 – 24), Winter Conference (January 5 – 10), and Pittcon (March 7 – 12).

components ordered through the end of 2003. Just tell us that you are an SAS member when you place your order.

L/min at 30 psi, normally aspirates at 1 mL/min, and is well-suited for many ICP and ICPMS applications.

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A Division of Analytical Reference Materials International Corporation  
700 Corporate Circle, Suite A  
Golden Colorado, 80401 USA  
Tel: (303) 277-9776 Fax: (303) 216-2649

## MEINHARD®



## FAX-O-GRAM

Please indicate your needs. When finished please FAX this form back to us at (303) 216-2649

### Catalog Type:

- Meinhard Glass Products Catalog
- ARMI General Catalog
- ALCAN Aluminum Catalog

### Please Respond:

- I ***need additional*** information.
- Please ***contact*** me.
- Please ***leave*** me alone.

### Customer Classification:

- Foundry / Producer / General Industry
- Commercial Lab
- Academia
- Other — (Please list in comments area)

### Method of Analysis:

- ICP / ICPMS
- OE Spectroscopy
- XRF Spectroscopy
- Other — (Please list in comments area)

Comments:

Name

Address

Phone

E-mail Address

Products:

- Excellent
- Excellent

### Quick Quality Survey

- Good
- Good
- Fair
- Fair

- Poor
- Poor

1-800-Meinhard