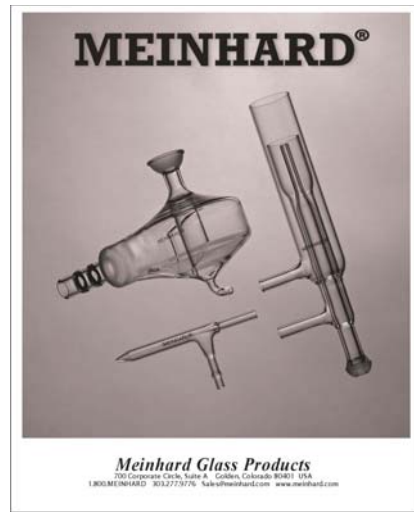


New 2006 Meinhard Glass Products Catalog

While Meinhard nebulizers have been the industry standard since 1974, Meinhard offers a great deal more! Our new catalog includes extensive descriptive information along with up-to-date pricing for:

- T **Nebulizers**
- T **Torches and Spray Chambers**
- T **PFA Sample Introduction Components**
- T **Peristaltic Pump Tubing .**
- T **Peristaltic Pumps**
- T **Laminar Flow Boxes**
- T **Sample Preparation Accessories**

Call 1.800.MEINHARD, email sales@meinhard.com, or fax to 303.216.2649 with your request for a copy of our expanded 2006 catalog. You can also shop on-line at www.meinhard.com where you will find unadvertised specials.



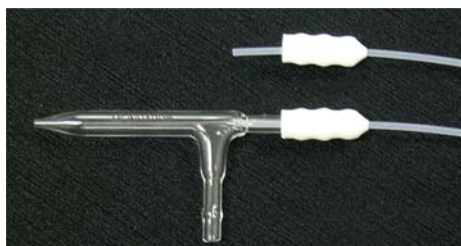
Repair Your ICP Torch for Half the Cost? We Can Do It!

Most ICP torches can be repaired at least once for a little more than half the cost of a new torch, even if the torch has been broken. Usually it is the outer portion of the quartz torch that succumbs to the high-temperature argon plasma; the wall devitrifies, weakens, and cracks. We can remove that outer tube, and replace it with new using our precision alignment tools. You get a like-new torch, the same performance and substantial cost savings.

The TJA ceramic base torch is unusual in that it can be repaired several times if sufficient care is taken. Where a new torch is \$417, the cost to rebuild it is just \$272, a 35% savings. More conventional one-piece torches usually can be repaired just once due to erosion of the inner tube or the injector. Send us your old torch for evaluation. We will let you know if it can be repaired and give you a price – usually about 50% of the cost of a new torch.

New Fit Kit 3T for Meinhard Nebulizers

We believe we have solved one of the challenges with glass concentric nebulizers: how to get a low-dead-volume, reliable, easy-to-use connection between the peripump and the nebulizer. It can't leak. It has to be robust. It has to be simple. Preliminary testing of our new Fit Kit 3T has been more than successful. But before we make this a product, we want our customers to test the fit kit and to give us their evaluations.



Fit Kit 3T is assembled from chemically inert materials: high purity Teflon® with Tefzel® tubing. The tubing is square-cut to ensure a good, low-dead-volume seal against the solution capillary in the nebulizer. Simply press the fitting on to the nebulizer until the tubing butts tightly against the capillary, insert the other end of the tubing into the peripump tubing, and go to work.

We will have Fit Kit 3T on display at Pittcon. If you are willing to do some testing for us, please stop by and pick one up – no charge, just give us feedback. If you won't be at Pittcon, call 1.800.MEINHARD, email sales@meinhard.com, or fax your request to 303.216.2649. Although we value, need, and appreciate your input, we have just 30 prototypes left for testing.

Pittcon 2006 Booth #1240 – Show Specials

Meinhard will again be exhibiting at Pittcon and invites you to stop by Booth 1240 to see its new nebulizer fit kits and to pick up your coupon good for 15% off a single (non-sale) item, or 25% off on purchases of two or more (non-sale) items. Meinhard is known

for nebulizers, but now offers excellent value in torches, spray chambers, pump tubing, and sample introduction accessories.

Pittcon 2006: Orlando, Florida, March 12 – 17.

2006 Winter Conference on Plasma Spectrochemistry

Attendance was up in Tucson this year with much emphasis on laser ablation and speciation using ICPMS detection. Meinhard's HEN and DIHEN are

particularly useful for coupling the ICPMS to chromatography for speciation studies. The 2007 conference will be held in Taormina, Italy, on the Island of Sicily.

FACSS – Meinhard Sponsors Student Awards, Symposium

At the 32nd FACSS in Quebec City, Canada, outstanding student posters were selected by conference organizers, with two awards sponsored by Meinhard Glass Products. Crissy Rhodes of North Carolina State University (Prof. Stefan Franzen) had several posters and won with "Surface Plasmon Resonance Detection on Conducting Metal Oxide Thin Films". John Molloy of The University of Texas at Austin (Prof. James Holcombe) won with "Development of Lab-on-a-Chip Techniques for Elemental

Analysis: Atoms in Bubbles". Meinhard has provided each student with a membership in the Society for Applied Spectroscopy, as well as a modest honorarium (beer money).

Meinhard will co-sponsor the atomic spectroscopy symposium at the 33rd FACSS in Orlando, Florida, September 24 – 28. The Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies is the premier international conference for analytical chemistry.

ICPMS Training Course

ICPMS is now regarded as a well-established, powerful, versatile, and sensitive technique for qualitative and quantitative elemental analysis, and isotopic analysis of the elements, with broad coverage of most of the Periodic Table. This technique has now thoroughly penetrated analytical measurements in many diverse fields of science and technology.

ARMI, in collaboration with Dr. Michael E. Ketterer, Professor of Chemistry and Biochemistry at Northern Arizona University, is soliciting interest in continuing

education short courses in inductively coupled plasma mass spectrometry (ICPMS). Dr. Ketterer has 18 years experience with ICPMS and has worked on a diverse range of "real-sample" analysis with both quadrupole and sector ICPMS.

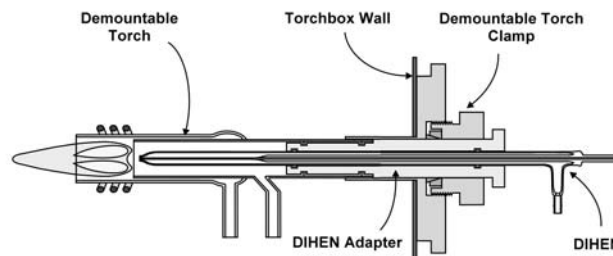
Courses of 1-5 days duration can be customized for small groups, and cover topics such as ICPMS fundamentals, sample preparation, methods development, and applications. Please call 303.216.2621, email sales@armi.com, or fax your inquiry to 303.216.2649.

Price Reduction: DIHEN Now Just \$1600

As a result of increased demand for the Direct Injection High Efficiency Nebulizer (DIHEN), we have been able to streamline manufacturing, reduce the cost, and pass on the savings to our customers. Effective March 1, the new price for the DIHEN and the LB-DIHEN is \$1600 (FOB Golden, Colorado).

There were a number of presentations at the 2006 Winter Conference on Plasma Spectrochemistry which highlighted the importance of direct injection to minimize mass bias interferences in ICPMS, to avoid volatilization interferences, and to minimize dead volume (and column flow in the case of CE) for chromatographic detection. A recent article in the Journal of Analytical Atomic Spectrometry highlighted the superior attributes of the DIHEN in isotope ratio measurements by ICPMS.

If you would like to discuss the pros and cons of direct injection, please contact our sample introduction experts at 800.MEINHARD or Sales@meinhard.com.



Typical DIHEN Installation

Peripump Tubing – Common Sizes on Sale – 15% off List

| Part Number | Description | List | Sale |
|--------------------------------------|---|-------|-------|
| Tube-PVCSD-30 | PVC 2-stop tubing 0.030" Black/Black | \$27 | \$23 |
| Tube-PVCSD-30-3 | PVC 3-stop tubing 0.030" Black/Black | \$27 | \$23 |
| Tube-PVCSD-35 | PVC 2-stop tubing 0.035" Orange/Orange | \$27 | \$23 |
| Tube-PVCSD-35-3 | PVC 3-stop tubing 0.035" Orange/Orange | \$27 | \$23 |
| Tube-PVCSD-40 | PVC 2-stop tubing 0.040" White/White | \$27 | \$23 |
| Tube-PVCSD-45 | PVC 2-stop tubing 0.045" Red/Red | \$27 | \$23 |
| Tube-PVCSD-45-3 | PVC 3-stop tubing 0.045" Red/Red | \$27 | \$23 |
| Tube-PVCSD-51 | PVC 2-stop tubing 0.051" Gray/Gray | \$27 | \$23 |
| Tube-SolFSD-30 | SolventFlex 2-stop tubing 0.030" Black/Black | \$32 | \$27 |
| Tube-SolFSD-30-3 | SolventFlex 3-stop tubing 0.030" Black/Black | \$38 | \$32 |
| Tube-SolFSD-35 | SolventFlex 2-stop tubing 0.035" Orange/Orange | \$32 | \$27 |
| Tube-SolFSD-35-3 | SolventFlex 3-stop tubing 0.035" Orange/Orange | \$38 | \$32 |
| Tube-SolFSD-45 | SolventFlex 2-stop tubing 0.045" Red/Red | \$32 | \$27 |
| Tube-SolFSD-45-3 | SolventFlex 3-stop tubing 0.045" Red/Red | \$38 | \$32 |
| Tube-SolFSD-51 | SolventFlex 2-stop tubing 0.051" Gray/Gray | \$32 | \$27 |
| Tube-Viton-30 | Acidflex/Viton 2-stop tubing 0.030" Black/Black | \$125 | \$106 |
| Tube-Viton-30-3 | Acidflex/Viton 3-stop tubing 0.030" Black/Black | \$150 | \$128 |
| Tube-Viton-35 | Acidflex/Viton 2-stop tubing 0.035" Orange/Orange | \$125 | \$106 |
| Tube-Viton-35-3 | Acidflex/Viton 3-stop tubing 0.035" Orange/Orange | \$150 | \$128 |
| Tube-Viton-45 | Acidflex/Viton 2-stop tubing 0.045" Red/Red | \$125 | \$106 |
| Tube-Viton-45-3 | Acidflex/Viton 3-stop tubing 0.045" Red/Red | \$150 | \$128 |
| All Tubing 12 Pieces Per Pack | | | |

Sale prices good through June 30, 2006. If you don't see what you need, please call 1.800.MEINHARD.

WEEE/RoHS Directives Effective July, 2006: Need a Reference Material?

European Community WEEE/RoHS directives have defined limits for heavy metals in various materials. Long known for its alloy standards, Analytical Reference Materials International (ARMI) can provide CRMs for traces in base metals such as Cu, Fe, and Al.

ARMI is also the exclusive distributor of sets of polyethylene (PE) and polyvinyl chloride (PVC) reference materials for screening of heavy metals by XRF. These are, manufactured by Modern Analytical Techniques, LLC., and are available in sets of three individual discs, each of which is 31 mm in diameter and approximately 13 mm thick. These PE and PVC materials contain Br, Hg, Cr, Pb, and Cd.

While the table shows concentrations in PE, the PVC set is similar. The overall error of concentration of the added element is estimated at less than 4% relative at a 95% confidence level, except for those below

100 mg/kg where the estimated error is 5 mg/kg absolute at a 95% confidence level.

Contact ARMI at 303.216.2649 or sales@armi.com for more information.

| | PE-High | PE-Low | PE-Blank |
|---------|---------------|---------------|---------------|
| Element | Conc. (mg/kg) | Conc. (mg/kg) | Conc. (mg/kg) |
| Br | 1095 | 499 | ND |
| Hg | 1094 | 203 | ND |
| Cr | 998 | 398 | ND |
| Pb | 1202 | 400 | ND |
| Cd | 303 | 100 | ND |

Meinhard Glass Products

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Web: www.meinhard.com

INSIDE THIS ISSUE!

- 2006 Catalog**
- New Fit Kit**
- Sale on Pump Tubing**
- Save with Torch Repair**
- ICPMS Training Course**

See us at Pittcon 2006
Booth 1240
Show specials

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

Customer Classification:

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

Please Respond:

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

Method of Analysis:

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

Comments:

Name

Address

Phone

E-mail Address

Quick ISO 9000 Quality Survey

- | | | | | |
|------------------|------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Products: | <input type="checkbox"/> Excellent | <input type="checkbox"/> Good | <input type="checkbox"/> Fair | <input type="checkbox"/> Poor |
| Services: | <input type="checkbox"/> Excellent | <input type="checkbox"/> Good | <input type="checkbox"/> Fair | <input type="checkbox"/> Poor |

1-800-Meinhard