OpalMist™ PFA Nebulizer

The OpalMist™ PFA concentric nebulizer is the nebulizer of choice for high precision analyses requiring the highest chemical resistancy to HF, alkalis and organics. The high purity PFA construction makes it ideal for ultra-trace ICP-MS work.

Ultra-Trace Analysis

When carrying out ultra-trace analysis, especially by ICP-MS, the risk of contamination must be minimized. The high purity of the PFA material used to make the OpalMist nebulizer provides the exceptionally low background necessary for ultra-trace determinations.

Highly Corrosive Samples

The totally inert construction of the OpalMist PFA nebulizer enables it to easily handle even the most corrosive samples, such as those containing high levels of hydrofluoric acid (HF) or reactive organic solvents. The OpalMist is also capable of aspirating high concentrations of dissolved solids (typically up to 15%) without clogging. This makes the OpalMist the ideal nebulizer to handle geochemical samples which are typically dissolved in HF and are high in dissolved solids.

Other fetures of the OpalMist are:

- Excellent sensitivity – the small mean droplet size of the OpalMist increases transport efficiency without increasing noise.
- Excellent precision and long-term stability.
- Strong and consistent self-aspiration – available with natural uptake rates of 0.01, 0.05, 0.1,0.2, 0.4, 0.6, 1 and 2mL/min. Self-aspiration eliminates the need for peristaltic pump tubing, a potential source of contamination.
- Suitable for all ICP-MS and ICP-OES models.
- The exacting quality and reproducibility standards you have come to expect from Glass Expansion.

For more information visit: www.geicp.com/intro/nebulizers

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