

Pergo argon nebulizer gas humidifier

The *pergo* argon nebulizer gas humidifier is designed for use in ICP analyses dealing with high concentrations of dissolved solids. This humidifier utilizes Nafion® tubing that selectively permeates water vapor through its membrane, which humidifies the argon line. The water prevents salt from accumulating in the sample introduction system (nebulizer), which allows for uninterrupted analysis and maintenance free operation.

ICP High TDS Sample Analysis

- Seawater samples
- Oil and gas exploration
- Environmental monitoring
- Brine samples
- Chlor-alkali process

Difficulties with High TDS Samples

- Salt deposits in nebulizer tip change nebulization efficiency and cause drift
- Salt deposits in ICP injector shift the aerosol direction, causing signal drift and high RSDs
- Injector deposits (salt and liquid) can break free and douse the ICP

pergo System

- Compact Ar nebulizer gas humidifier
- Water vapor permeates Nafion® membrane humidifying the argon nebulizer gas
- Water reservoir at atmospheric pressure—safe
- For use on any ICP or ICPMS instrument
- For high TDS samples with Meinhard glass nebulizer
- Easy to use and maintain
- Extends the length of analytical runs
- Improved long-term stability
- Improved detection limits

