

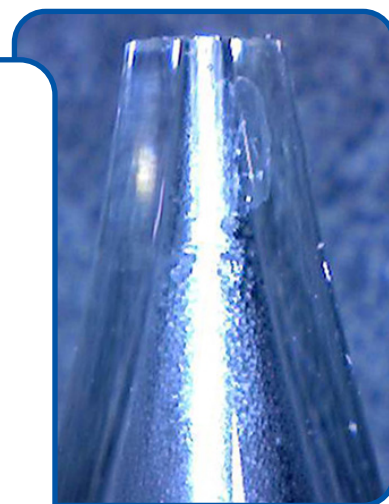
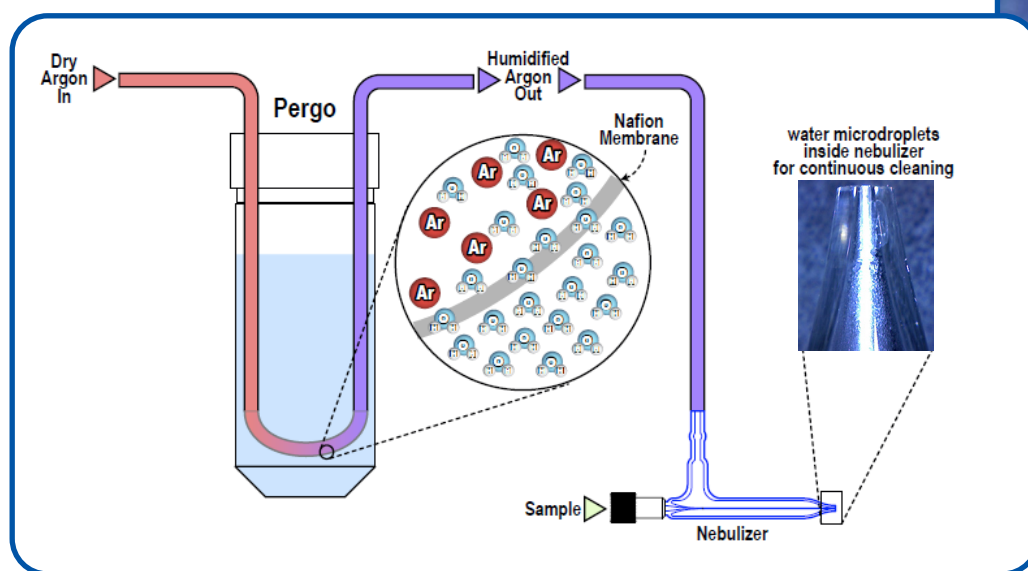


## pergo 500 Nebulizer Gas Humidifier

### pergo 500 Integrated Humidifier for Agilent 7900/8900

The *pergo* 500 improves performance of all concentric nebulizers. It maintains nebulizer efficiency – which decreases long before a clogged tip is detected – and improves sensitivity and stability by preventing unnoticed salt crystals from forming in the nebulizer tip.

A water vapor permeable membrane humidifies the ICP nebulizer gas stream. By increasing humidity in the argon nebulizer, the *pergo* 500 prevents salt deposits in the nebulizer, improving short and long-term signal stability. The patented design supports either one or two independent gas flows, uniquely and safely humidifying these sample introduction gas flows from one module.



Water microdroplets continuously clean the inside of the nebulizer and prevent salt deposits.

Ar nebulizer gas is humidified using a tube-shaped membrane placed in a PFA water reservoir at atmospheric pressure. The water vapor condenses inside the nebulizer tip, preventing salt build-up.





## pergo 500 Design Features

- Safe and easy to use
  - Atmospheric pressure PFA water reservoir
  - Friction-fit PFA cap with quick water refill
  - Max and Min level markers
- Allows use of high-sensitivity nebulizers for high TDS samples
- Supports both Meinhard and PFA MicroFlow nebulizers
- *pergo 500 Dual* model also enhance HMI/UHMI performance with a second channel that humidifies this additional argon gas stream

## Benefits

- Improved Stability
- Dissolves salt crystals in nebulizer tip
- Improved short and long-term stability
- Improved detection limits
- Speeds up washout
- Reduced long-term drift
- Extends the length of productive analytical runs

## pergo 500 Dual Channel

The *pergo 500 Dual Channel* adds a second channel to humidify the HMI/UHMI gas flow. This enhances performance and long-term stability when high solids samples are analyzed when utilizing HMI/UHMI. With the *pergo 500 Dual Channel*, both the nebulizer and the HMI/UMHI gas streams are humidified.



Agilent 7900 with the *pergo 500* Argon Gas Humidifier



*pergo 500 Dual Channel* humidifies both the nebulizer gas and the HMI/UHMI gas flows

Description	Part Number
<i>pergo 500</i> Argon Nebulizer Gas Humidifier	<i>pergo 500-79</i>
<i>pergo 500 Dual Channel</i> Argon Nebulizer Gas Humidifier	<i>pergo 500 D-79</i>

