

pergo Argon Nebulizer Gas Humidifier



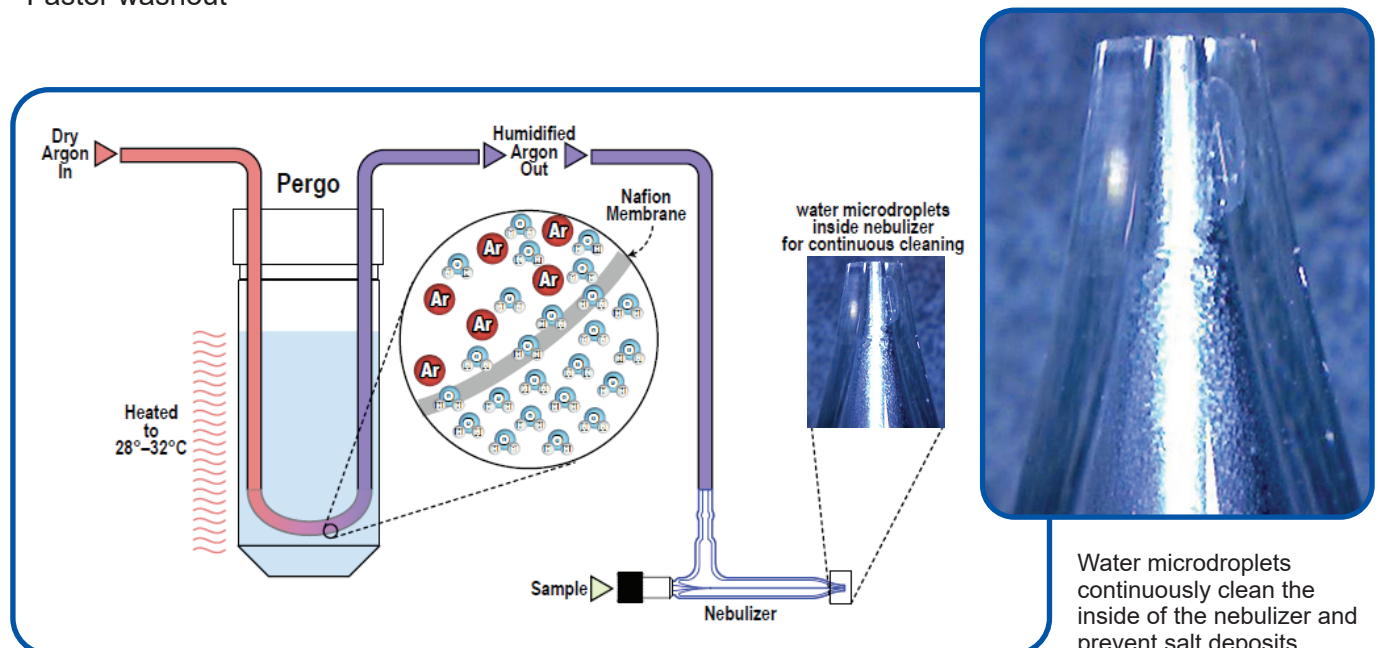
pergo Enhances ICP and ICPMS Productivity

The *pergo* improves performance of all concentric nebulizers. Nebulizer efficiency decreases long before a clogged tip is detected. Unnoticed salt crystals formed in the nebulizer tip reduce sensitivity and stability.

A high-pressure membrane positioned inside a temperature-controlled water reservoir perfuses water vapor into the nebulizer gas stream. By increasing humidity in the argon nebulizer gas, *pergo* prevents salt deposits at the nebulizer tip, improving short and long-term signal stability.

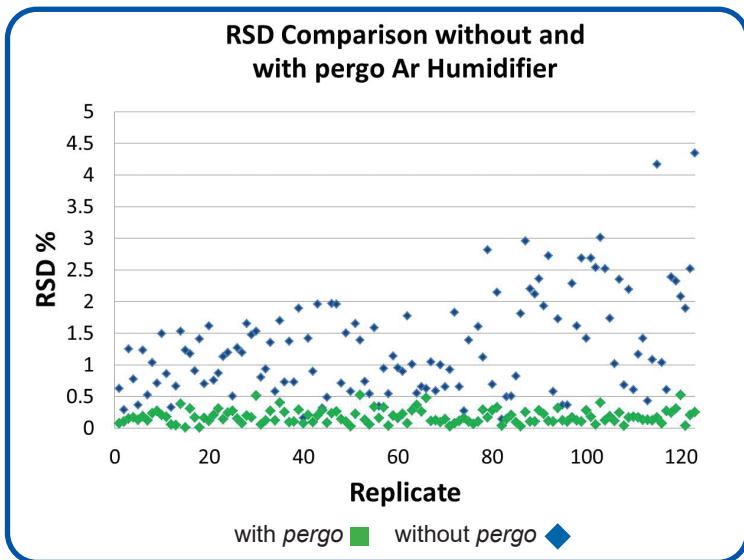
Benefits:

- Improved RSDs
- Improved short and long-term stability
- Improved detection limits
- Faster washout
- Ability to use high-sensitivity nebulizers for high-TDS samples
- Reduce long-term drift
- Extends the length of analytical runs



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.

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

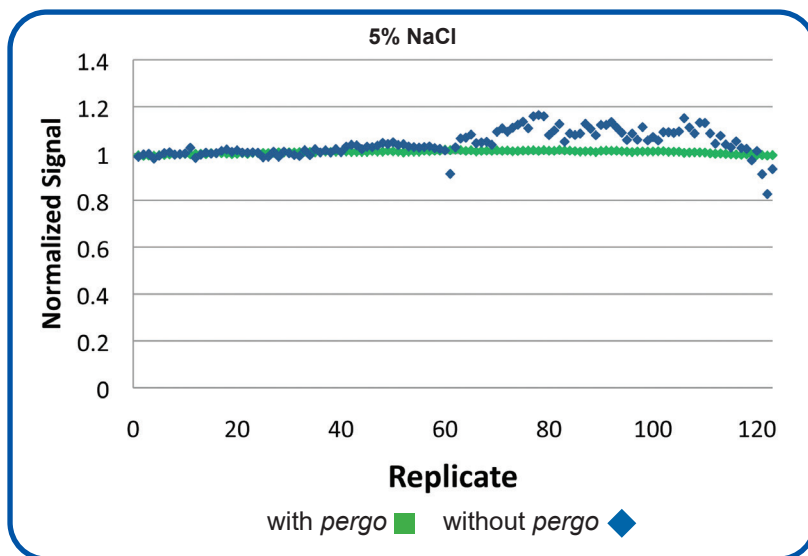


RSDs for 5% NaCl samples improve with the *pergo*.

The unique *pergo* design offers many advantages over other types of argon humidifiers.

Advantages:

- Higher, more consistent humidity
- Superior long-term stability
- Safe and easy to use
 - Atmospheric pressure water reservoir
- Optional USB communication for programmable humidity levels



Long-term stability is improved with the *pergo*, reducing drift and extending the length of the analytical run.

pergo 2

The *pergo* 2 also enhances the performance of ICPMS systems when a dilution gas (UHMI, AMS, and Ar Dilution) is utilized. As with the main nebulizer, the argon gas used for dilution is very dry. *pergo* 2 includes a second port which humidifies this dilution gas stream in addition to the nebulizer gas flow, enhancing performance by further improving nebulizer stability.



pergo Options

<p><i>pergo</i> for ICP or ICPMS without dilution gas</p>	<p><i>pergo</i>2 for ICPMS with dilution gas</p>
---	--

Description	<i>pergo</i> Part Number	<i>pergo</i> 2 Part Number
<i>pergo</i> argon high solids accessory. Includes nebulizer gas line connector kit.	PRG-01	PRG-02
<i>pergo</i> argon high solids accessory. Includes a MEINHARD® TR+ high performance nebulizer.	PRG-01-MCPlus	PRG-02-MCPlus
<i>pergo</i> argon high solids accessory. Includes a PFA-ST nebulizer.for	PRG-01-ST	PRG-02-ST

