

Fitting and Quick Connect Installation Instructions

Push the quick release connector onto the gas inlet fitting of the nebulizer until it locks in place.

Insert the tubing for the nebulizer gas supply directly into the free end of the quick release connector until it locks in place.



Open for safety message and instructions
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MassNeb

Nebulizer for ICP-MS

Ingeniatrics
Nebulizers and Nozzles

Atomic Spectrometry

Important Notice

Caution: Before applying gas pressure, apply a slight amount of pulling pressure between the nebulizer and the gas supply hose to ensure they are securely locked.

To remove the gas supply tubing, push the release button on the top of the quick release connector and slide off the tube of the hose adaptor.

Recommended settings:

Gas pressure: 150 - 180 kPa

Gas flow: 0.75 L/min

Liquid uptake range: 0.05 - 0.4 mL/min (best with 0.2)

Guidelines for Nebulizer Use

- Always connect and disconnect the sample capillary using the plastic connector. Never pull on the free end of the capillary tube
- Solution must be pumped to the nebulizer using a peristaltic pump or alternative pumping device
- Maintain medium-high speed (at least 10 rpm) to minimize signal noise. If working at low solution uptake rates, fit narrow bore pump tubing and run the peristaltic pump at a higher pump speed
- Peristaltic pump tubing should be replaced periodically or when signs of wear are evident
- Always rinse the nebulizer with de-ionized water (or a suitable solvent) for at least a few minutes at the end of your analysis. Remove the liquid and allow the plasma to operate for a short period with no solution flow. Then switch off the plasma.
- To maintain optimum performance, clean the nebulizer weekly.

For more information, refer to the **Good Practice and Maintenance Guidelines** included with this package.

Cleaning Instructions

To maintain optimum performance, clean the nebulizer weekly by soaking in pure water, dilute detergent solution, or solvent (depending on the application) for at least 30 minutes. Rinse thoroughly and dry by passing a stream of filtered air, argon, or nitrogen through the tip of the MassNeb. If blockages remain, refer to the cleaning and backflushing procedure outlined in the Good Practice and Maintenance Guidelines included with this package.

Caution: Do not use a wire for cleaning.

Nebulizer Installation

Caution: Excessive force may damage the nebulizer. Always connect and disconnect the sample capillary by handling the plastic connector. Ensure that the tip is protected from damage.