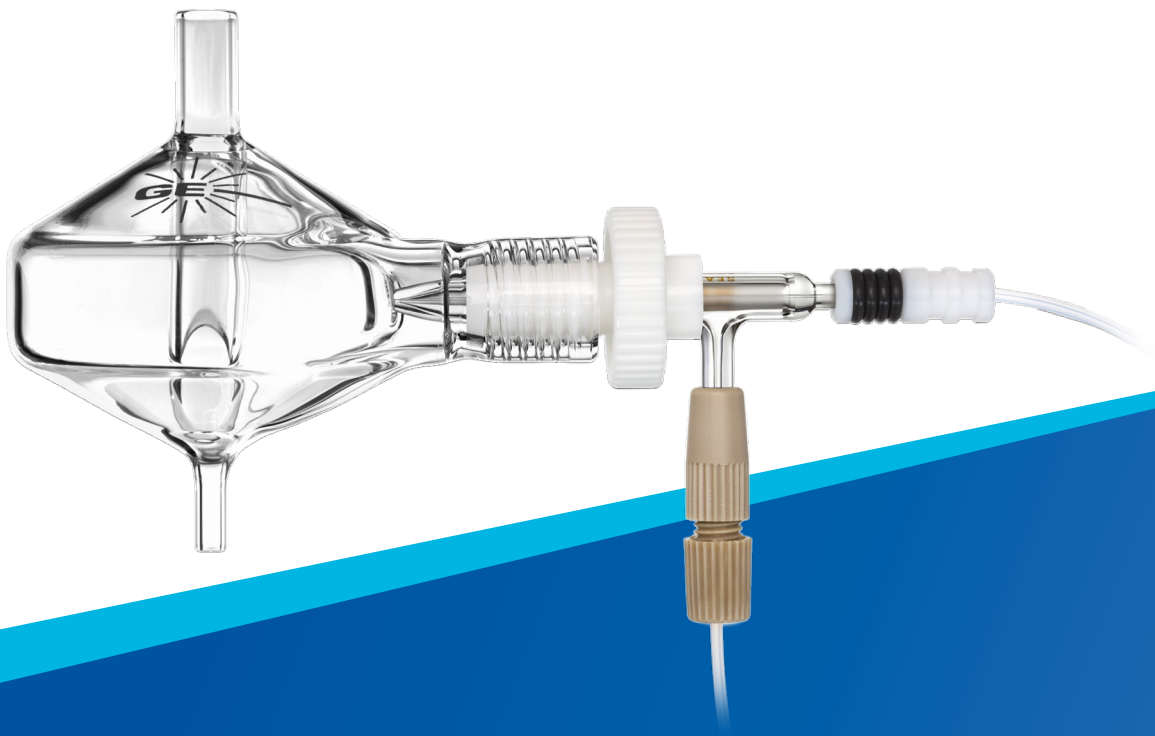


# Helix CT

## ICP Spray Chamber

Consistent day-to-day analytical performance is just a click away with ConstantTorque technology.



Glass Expansion now equips all of its glass, PFA, and PTFE spray chambers with the Helix CT (ConstantTorque) nebulizer interface to provide an optimum seal between the nebulizer and spray chamber.

**Learn more at: [www.geicp.com/HelixCT](http://www.geicp.com/HelixCT)**



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# Benefits of the Helix CT Design Include...

## ConstantTorque™ Locking Screw

The Helix locking screw with CT technology allows for a consistent inert PTFE seal against the nebulizer - making it impossible to overtighten while ensuring a gas-tight seal each and every time. Torque control also improves user safety, preventing broken glassware.

## PTFE PressFit™ Seal

A PressFit Helix PTFE seal provides a chemically inert seal around the nebulizer. The PTFE ferrule is immune to strong acids and organic solvents routinely used in ICP sample preparation. It therefore eliminates all the drawbacks of the O-ring nebulizer seal, including broken nebulizers.

## Zero Dead Volume Interface

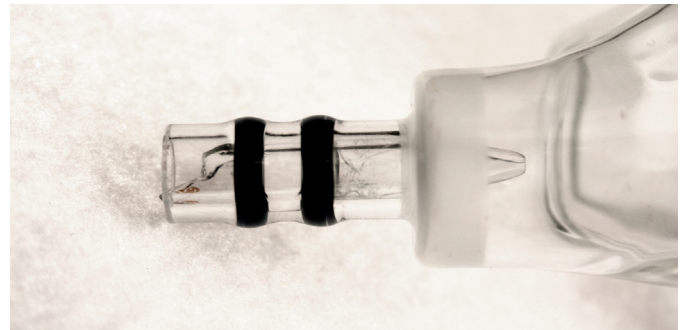
Compared to other types of nebulizer-spray chamber interfaces, the Helix CT is the only interface that significantly reduces dead volume around the nebulizer. This unique design minimizes washout time with highly concentrated samples, reduces sample to sample carry-over and improves sample throughput.

## Optimum Depth and Torque

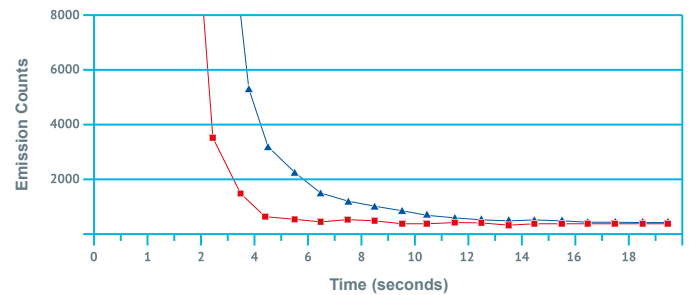
The Helix CT interface still maintains the original positive stop to ensure that the nebulizer is inserted to the correct and optimum depth within the spray chamber. However, the torque applied to the nebulizer seal is also critical. Consistent nebulizer depth combined with ConstantTorque control provides the ICP analyst with unparalleled, reproducible day-to-day analytical performance.



Prevents Nebulizer Bonding and Breaking



Washout Comparison of 10ppm Mo



■ Helix Interface

▲ Non-Helix Interface

Sensitivity vs. Torque

