








ICP-OES Nebulizer Selection Guide

Each nebulizer has different performance characteristics, and using the right ICP-OES nebulizer for your application will ensure you achieve the optimum performance, and reduce your risk of blockage and unplanned downtime. To help you choose the right nebulizer, we have summarized the performance characteristics of common nebulizers in the table below:

Nebulizer Type	Reordering Part Number	Image	Material	Aerosol Efficiency	Achieved Precision	Tolerance to Dissolved Solids	HF Resistance	Organics Compatibility	Self Aspirates	Ideal Sample Type
One Neb Series 2 Nebulizer	G8010-60293		High-tech PFA and PEEK polymer	Excellent	Excellent	Excellent	Excellent	Excellent	✗	Handles most samples. Recommended for: <ul style="list-style-type: none"> – High TDS (up to 25%) samples – Samples with large particle sizes (up to 150 µm diameter) – Acidic solutions, including aqua regia, HF, and 4-acid digests
SeaSpray concentric	G8010-60255 with UniFit sample inlet		Glass	Good	Good	Medium	Poor	Good	✓	Environmental, soil and food digests
	2010096400 with EzyFit sample inlet (0.7 L/min neb. flow)		Glass	Good	Good	Medium	Poor	Good	✓	
	CP959366 (2.0 L/min neb. flow) with EzyFit sample inlet		Glass	Good	Good	Medium	Poor	Good	✓	
Conikal concentric	G8010-60270 with UniFit sample inlet		Glass	Good	Excellent	Poor to Medium	Poor	Excellent	✓	Clean oil samples and organic solvents
	2010106800 with EzyFit sample inlet		Glass	Good	Excellent	Poor to Medium	Poor	Excellent	✓	
	2010081600 (for Liberty ICP-OES)		Glass	Good	Excellent	Poor to Medium	Poor	Excellent	✓	

This information is subject to change without notice.

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