









NEBULIZERS

In addition to traditional glass concentric nebulizers, other nebulizer designs and material compositions are available to meet specific analytical requirements. The following table offers valuable information to choose the optimal nebulizer for your application.

Nebulizer Type	Material / Chemical Resistance	Application	Sensitivity
Babbington V-Groove 	PEEK. Good chemical resistance for most acids and organic solvents.	For use with Scott style and cyclonic spray chambers. Great High solids capability.	Moderate sensitivity. Original V-Groove design.
Mini Cross-Flow 	Ultem. Good with all acids and organic solvents.	For use with cyclonic spray chambers with large opening. Great high-solids capability.	Better detection limits compared to Cross-Flow, glass concentric, and parallel path nebulizers.
Cross-Flow 	Ultem. Good chemical resistance for most acids and organic solvents.	For use with Scott style spray chambers. Great high-solids capability.	Moderate sensitivity due to wide range of droplet size.
Glass Concentric, Meinhard® 	Quartz or borosilicate. Good for most acids and organic solvents. Not recommended for Hydrofluoric (HF) acid.	For use with Scott style and cyclonic spray chambers. Not recommended for high solids applications.	Excellent mist and sensitivity.
Modified Lichte 	Quartz or borosilicate. Good for most acids and organic solvents. Not recommended for Hydrofluoric (HF) acid.	For use with Modified Lichte spray chamber. Unique patented design. Great high solids capability.	Great sensitivity. Patented design with impingement bead to further atomize aerosol resulting in uniform droplet size.
Noordermeer V-Groove 	Quartz or borosilicate. Good for most acids and organic solvents. Not recommended for HF.	For use with Scott style and cyclonic spray chambers. Great high solids capability. Same principal as Babbington nebulizer.	Moderate to high sensitivity for a high-solids nebulizer. Better efficiency than a Babbington V-Groove nebulizer.
Mira Mist®, PEEK 	PEEK body with Teflon® inner capillaries. Good chemical resistance for most acids and organic solvents. Not recommended for Hydrofluoric (HF) acid.	For use with Scott style and cyclonic spray chambers. Recommended for high-solids applications.	Excellent sensitivities and stability. Patented enhanced parallel path method to run high Total Dissolved Solids (TDS).
Mira Mist®, Teflon® 	All Teflon®. Good with all acids and organic solvents.	For use with Scott style and cyclonic spray chambers. Recommended for high-solids applications.	Excellent sensitivities and stability. Patented enhanced parallel path method to run high Total Dissolved Solids (TDS).

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