

## 7500 ICP-MS Supplies

### Nebulizers and Nebulizer Supplies

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The nebulizer disperses the sample solution from the peristaltic pump as a fine mist into the spray chamber using a stream of argon gas. There are three types of nebulizers available for the 7500: The Babington Nebulizer, Concentric Nebulizer, and Cross Flow Nebulizer.

### Nebulizers and Nebulizer Supplies

Description	Specs	Usage	Unit	Part No.	Price
Babington Nebulizer	Includes O-rings (P/N G1820-65199) and sample tubing (P/N G1820-65276)	Use to introduce samples with high matrix and high total salts. Clean when contaminated or when orifices are clogged.		G1820-60453	\$957
Sample tubing with connector	Tool included	Use with Babington Nebulizer. Replace the tubing when it is heavily contaminated by high matrix samples		G1820-65276	64
End cap for Babington Nebulizer	Includes O-ring and blend gas line connector	Replace when memory effects do not disappear after cleaning. Insert nebulizer in middle of end cap all the way through. Attach end cap to spray chamber with "TOP" mark facing up.		G1833-65476	170
Pyrex Concentric Nebulizer	Use with P/N G1820-65052 Argon gas connector, P/N G1820-60160 Connector kit, P/N G1820-65121 end cap	Use with clean samples only. Not resistant to hydrochloric acid. Clean with a 5% HNO <sub>3</sub> (v/v) bath; do not use ultrasonic bath.		G1820-65030	486
Quartz Concentric Nebulizer	Use with P/N G1820-65337 Quartz spray chamber, P/N G1820-80237 Quartz connecting pipe	Recommended for trace analysis of clean samples. Lower contamination level than Pyrex. Clean using 5% HNO <sub>3</sub> (v/v) bath; do not use ultrasonic bath.		G1820-65138	1275
End cap for Concentric Nebulizer	Includes blend gas line connectors, O-rings for end cap, O-rings for fittings to end cap, PTFE	Connects the Concentric Nebulizer (Pyrex or Quartz) with the spray chamber. Replace when the capillary is broken or the nebulizer is damaged.		G1833-65475	232
Connector kit	Includes O-rings	Connects Concentric Nebulizer with sample line. Port with large hole connects to nebulizer; smaller port connects with sample tubing.		G1820-60160	174
Cross Flow Nebulizer	Includes bushing, carrier gas line connector, blend gas line connector, sample tubing, and gas line tubings with inner sleeves.	Standard nebulizer for the inert kit. Resistant to hydrofluoric acid. Set carrier gas pressure to 500 kPa (5 kg/cm <sup>2</sup> ). Clean with 5% HNO <sub>3</sub> (v/v) bath. Replace when memory effects remain after cleaning.		G1833-65462	1979
O-rings for end cap, Viton	O-rings	Use for the end cap of the Babington Nebulizer, Cross Flow Nebulizer and Concentric Nebulizer	5/pk	G1820-65198	13
Sample tubing		Sample tubing for Cross Flow Nebulizer. Replace when the tubing is bent, damaged, or when there are serious memory effects in the sample introduction area.		G1820-65141	35
Nebulizer sample tubing, Teflon	0.5 mm id, 1.56 mm od, 5 m	Used for standard sample introduction. Replace when the tubing is bent, damaged, or when there are serious memory effects in the sample introduction area.		G1820-65105	31
Babington Nebulizer removal tool				G1820-65345	162
Sample tubing for on-line ISTD addition, PFA	0.3 mm id, 1.6 mm od, 3 m			G1820-65478	61

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## Nebulizers and Nebulizer Supplies/Spray Chambers

### *Nebulizers and Nebulizer Supplies (continued)*

Description	Specs	Usage	Unit	Part No.	Price
O-ring kit for Concentric Nebulizer	Viton O-rings, 2 types		10 ea.	G1820-65491	\$51
O-rings for organic solvents		For end cap	2/pk	G1820-65518	378
O-rings for organic solvents		For use with the Concentric Nebulizer		G1820-65520	113
Ferrule and Viton O-ring kit for carrier gas line connector		For use with the Babington and Concentric Nebulizer		G1820-65533	93



*Babington Nebulizer  
P/N G1820-60453*