

PFA Microflow Nebulizers

The Right Nebulizer Technology

ESI offers two types of HF-resistant, high performance, self-aspirating PFA nebulizer:

- ① PFA-MicroFlow with integrated capillary
- ② PFA-ST with exchangeable capillary
 - All PFA-Teflon® construction.
 - Analyse all sample types with a single introduction system.
 - Resistant to clogging.
 - Chemically inert.
 - Longer lifetime than glass or quartz nebulizers.
 - Self-aspirate volatile and non-volatile organic solvents.
 - Directly replace any 6mm type nebulizer.
 - Ideal for VPD samples, high purity peroxide, and



PFA MicroFlow nebulizers produce a fine aerosol for high transport efficiency



① PFA-Microflow Nebulizer with Integrated Capillary

- Recommended for flow rates <math>< 100\mu\text{L}/\text{min}</math>.
- Self aspirate at 20, 50 100 or 400 $\mu\text{L}/\text{min}$
- Produces a fine aerosol for high transport efficiency and high sensitivity.
- Available with integrated probes for ESI SC-Series and most other autosamplers
- Direct Analysis of volatile & non-volatile organic solvents..
- Low BECs even for concentrated high purity acids



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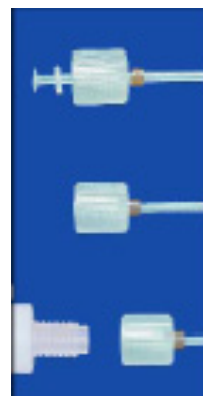
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② PFA-ST Nebulizer with Exchangeable Capillary



- All PFA-Teflon® Construction.
- Exchangeable self-aspiration capillaries.
 - 20, 50, 100, 200, 400 or 700µl/min.
 - Zero dead volume o-ring free connection.
 - External interface for easy maintenance.
- Available with probes for most Sample Changers.
- Up to 3 ml/min sample flow rate with peristaltic pumping. (For peristaltic pumping, either 100µL/min (0.1 to 1mL/min) or 400µL/min capillary (0.5 to 3mL/min) is recommended)
- Resistant to clogging.



Ordering Information

PFA-MicroFlow nebulizer with integrated capillary

ES-2020-0002	PFA-20	ES-2000-0002	PFA-50
ES-2001-0002	PFA-75	ES-2002-0002	PFA-100
ES-2003-0002	PFA-200	ES-2005-0002	PFA-400

PFA-ST Nebulizer with exchangeable capillary

ES-2040-28	PFA-ST includes 400µL/min capillary		
ES-2045	20µL/min capillary	ES-2041	400µL/min capillary
ES-2043	50µL/min capillary	ES-2044	700µL/min capillary
ES-2042	100µL/min capillary		

Autosampler probes

Please specify on ordering which autosampler probe is required.

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