

Nebulizers and Probes

PFA and Polypropylene High-Efficiency MicroFlow Nebulizers

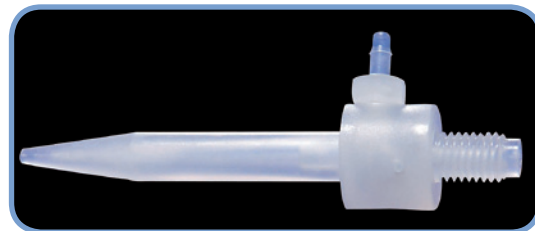
MicroFlow nebulizers are resistant to clogging, reliably self-aspirated or pumped to produce a fine aerosol for high transport efficiency and high sensitivity.

The PFA-ST nebulizer features the same high purity, HF resistance and high performance of the PFA MicroFlow nebulizers, along with an exchangeable external sample uptake capillary. The sample uptake rate is controlled by the diameter of the external capillary or probe.

- All PFA construction
- Chemically resistant—ideal for strong acids, alkalis and organics
- Direct analysis of volatile and non-volatile organic solvents
- Longer lifetime than glass or quartz nebulizers
- MicroFlow rates
- High sensitivity
- Excellent stability



PFA-ST Nebulizer (ES- 2040)



Polypropylene Nebulizer (ES- 4040)



Produces a fine aerosol for high transport efficiency

Autosampler Probes for ST Nebulizers

ST nebulizer probes connect directly to any ST-type nebulizer. The 1/4-28 threaded fitting provides a secure, zero-dead-volume connection with no additional fittings required.



- Exchangeable uptake capillaries allow one nebulizer to be used at different self-aspiration rates from 20 $\mu\text{L}/\text{min}$ to 700 $\mu\text{L}/\text{min}$
- Can be pumped from < 0.1 mL/min to 3.0 mL/min

PFA Nebulizers with Integrated Probes

These nebulizers self-aspirate at low-flow rates with any autosampler and provide the same benefits of the PFA MicroFlow nebulizer. The integrated sampling probe is constructed by encapsulating a rigid support material between layers of PFA to provide a chemically-resistant probe that is mechanically stable and resilient.



- Integrated capillary for self-aspiration
- Flow rates set at either 20, 50 and 100 $\mu\text{L}/\text{min}$
- Customizable flow rates upon request