

PFA ST Nebulizer

New sample introduction technology for ICPMS and ICPAES

- All-Teflon® construction.
- Chemically resistant—ideal for strong acids, alkalis, organics.
- Longer lifetime than glass or quartz nebulizers.
- Exchangeable self-aspiration capillaries.
 - 20, 50, 100, 200 or 400µl/min
 - Zero dead volume o-ring free connection
 - External interface for easy maintenance
- 0-2 ml/min sample flow rate with peristaltic pumping.
- Resistant to clogging and accidental breakage.
- Directly replace any 6 mm nebulizer.
- Inert probes available to support most autosamplers.



ES-2040 PFA-ST MicroFlow Nebulizer

Teflon® is a registered trademark of DuPont

PFA-ST Micro-Flow

The right nebulizer technology

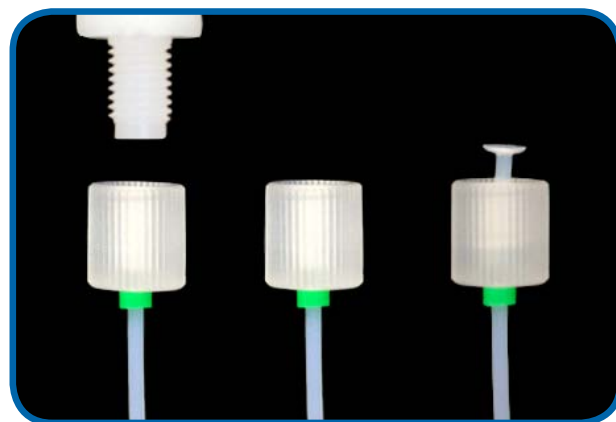
- Produces a fine aerosol for high transport efficiency and high sensitivity.
- Low BECs even for concentrated highpurity acids (e.g. 49% HF, 69% HNO₃).
- Direct analysis of volatile and non-volatile organic solvents.
- Ideal for VPD samples, high purity peroxide, and ammonia.



A variety of alternate flanged Teflon sample capillaries and autosampler probes are available for the PFA ST Nebulizer. Sample capillaries are easily and securely attached to the nebulizer using a threaded, zero dead volume flanged fitting.

Sample uptake tubing dimensions control PFA-ST MicroFlow nebulizer self-aspiration rates:

Part Number	I.D.	Nominal Self-Aspiration flow rate
ES-2045	0.15 mm	20 μ L/min ■ (red)
ES-2043	0.2 mm	50 μ L/min ■ (purple)
ES-2042	0.25 mm	100 μ L/min ■ (green)
ES-2047	0.3 mm	200 μ L/min ■ (yellow)
ES-2041	0.5 mm	400 μ L/min ■ (orange)
ES-2044	0.8 mm	700 μ L/min ■ (blue)



Use one of the sample uptake capillaries or autosampler probes for self-aspiration or directly attach peristaltic pump tubing to the MicroFlow PFA-ST.