

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.

PFA-ST Nebulizers

The PFA-ST MicroFlow nebulizer is made from high purity, HF resistant PFA. It has an exchangeable external sample uptake capillary. The sample uptake rate is controlled by the diameter of the external capillary or probe.



Features and Benefits

- Chemically resistant – ideal for strong acids, alkalis and organics
- Can be pumped from < 0.1 mL/min to 3.0 mL/min
- Direct analysis of volatile and non-volatile organic solvents
- Resistant to clogging – reliably self-aspirated or pumped
- Low, spike free background for important elements such as Fe and Ca

Description	Part No.
PFA-ST Nebulizer	N0777049
PFA-ST Self-Aspirating Nebulizer for prepFAST Systems	N8145368

PFA-ST3 Nebulizer

The PFA-ST3 Nebulizer is designated for superior clog resistance and higher sensitivity compared to the standard PFA nebulizer.

Description	Part No.
PFA-ST3 Nebulizer	N0777676

PolyPro-ST Nebulizer

The PolyPro-ST Nebulizer is an HF resistant alternative to the PFA nebulizers but has the same high efficiency aerosol generation.

It is a robust nebulizer that can self aspirate with an exchangeable external sample uptake capillary or be used with a peristaltic pump.



Features and Benefits

- Polypropylene construction
- Hydrofluoric acid resistant
- 0-3 mL/min sample flow rate with peristaltic pumping
- Resistant to clogging and accidental breakage

Description	Part No.
PolyPro-ST Nebulizer	N0777219

Sample Capillaries for ST Nebulizers

ID	Self-aspiration rate ID (@1 L/m Ar)	Part No.
0.15 mm	20 µL/min (Red)	N8122382
0.2 mm	50 µL/min (Purple)	N8145135
0.25 mm	100 µL/min (Green)	N8122383
0.3 mm	200 µL/min (Yellow)	N8145136
0.5 mm	400 µL/min (Orange)	N8122384
0.8 mm	700 µL/min (Blue)	N8145137
1.0 mm	1 mL/min (Gray)	N8145138

PFA MicroFlow Nebulizer

The PFA MicroFlow is a high solids large bore nebulizer with external 1/4-28 threaded connector. Ideal for strong acids, high solids, alkalis, organic solvents, soils and high salt solutions.



Features and Benefits

- Produces a fine aerosol for high transport efficiency and high sensitivity
- Low BECs even for concentrated high purity 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

Description	Part No.
PFA MicroFlow Nebulizer	N0777720

apex PFA Nebulizers

apex PFA nebulizers allow self-aspiration at low sample consumption rates with the apex high-sensitivity desolvation system.



Description	Part No.
High Temperature apex-ST PFA MicroFlow Nebulizer with External 1/4-28 Threaded Connector	N0777375
High Temperature apex-100 PFA Nebulizer with Integrated 90-150 µL/min Self-Aspiration Capillary	N0777376
High Temperature apex-100 PFA Nebulizer with Ultem Manual Sampling Probe, 90-150 µL/min, 80 cm Capillary	N0777828