

## High Efficiency MicroFlow Nebulizers

MicroFlow nebulizers are constructed entirely from chemically resistant fluoropolymers, ideal for strong acids, alkalis, organics, high salt solutions and high solid concentrations. They are resistant to clogging, are reliably self-aspirated or pumped and produce a fine aerosol for high transport efficiency and high sensitivity.

### PFA-ST Nebulizer

The PFA-ST nebulizer features high purity, HF-resistance, and high performance, along with an exchangeable external sample uptake capillary. The sample uptake rate is controlled by the dimension of the external capillary or probe. For use with autosamplers. Requires a CTFE union (N8122355) to connect to the UltraClean autosampler probe. All-PTFE construction, chemically inert. Chemically resistant – ideal for strong acids, alkalis, organics. Resistant to clogging – reliably self-aspirated or pumped.



ICP-MS Model	Part No.
ELAN/NexION (Concentric)	N8122192
ELAN/NexION (Self-Aspirating for prepFAST)	N8145368

### PFA-ST3 Nebulizer

Designed for superior clog resistance and higher sensitivity. PFA-ST3 nebulizer with external threaded connector is a high performance, clog resistant and chemically inert nebulizer for ICP-MS.



ICP-MS Model	Part No.
NexION 300/350	N8145101

### PolyPro-ST Nebulizer

The PolyPro-ST Nebulizer is an HF resistant alternative to the PFA nebulizer. The PolyPro has lower chemical resistance than the PFA nebulizer but has the same high efficiency aerosol generation. A robust nebulizer that can self aspirate with an exchangeable external sample uptake capillary or used with a peristaltic pump.



ICP-MS Model	Part No.
PolyPro-ST Nebulizer	N0777220

### PFA Nebulizers

PFA MicroFlow 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.



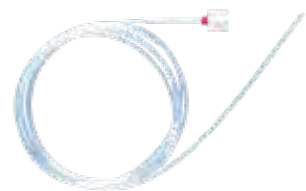
ICP-MS Model	Part No.
ELAN/NexION 300/350	N8122500

### PFA Nebulizer Replacement Parts

Description	Part No.
Union Fittings for LC to PFA Nebulizer	N8152478
PTFE Connection Line for PFA LC Microflow Nebulizer	N8152479
0.15 mm ST Capillary Line for PFA Microflow Nebulizer	N8152480
PFA-ST Nebulizer Internal Standard Addition Tee	N8152423
Sample Introduction Line for PFA-ST Nebulizer	N8152455
Internal Standard Addition Tee for ST-Nebulizer, 0.25 mm ID (Green). Attaches to port #3, 14 cm	N0777294
Internal Standard Addition Tee for ST-Nebulizer, 0.5 mm ID (Orange). Attaches to port #3, 14 cm	N0777295

### apex High Temperature Nebulizers

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



### PTFE Sample Capillaries

For use with ST Nebulizers.

ID	Self-Aspiration Rate	Part No.
0.15 mm Red	20 µL/min	N8122382
0.2 mm Purple	50 µL/min	N8145135
0.25 mm Green	100 µL/min	N8122383
0.3 mm Yellow	200 µL/min	N8145136
0.5 mm Orange	400 µL/min	N8122384
0.8 mm Blue	700 µL/min	N8145137
1.0 mm Gray	1 mL/min	N8145138