

Concentric Nebulizers

MEINHARD® Nebulizers

The MEINHARD Concentric Nebulizer reflects exacting standards in design and manufacturing. Its advantages include simplicity of design and operation, reproducible and self-aligning aerosol, and close fabrication control. They provide excellent sensitivity and precision for aqueous solutions and samples with few dissolved solids (less than 1%). MEINHARD Nebulizers are self-aspirating and not to be used with solutions containing hydrofluoric acid. Nebulizers require an end cap (**N0680504**) for use with Scott Spray Chambers.



Type	ICP-MS Model	Material	Uptake Rate	Part No.
Type A0.5	NexION 300/350	Quartz	0.5 mL/min	N8145011
Type C0.5	NexION 300/350	Glass	0.5 mL/min	N8145012
Type C3	ELAN/NexION 300/350	Glass	3.0 mL/min	N8102011
Type K3	ELAN/NexION 300/350	Glass	3.0 mL/min	N0681574
Type A3	ELAN/NexION 300/350	Quartz	3.0 mL/min	WE024371

Solution Fitting **N8145016** is not included with MEINHARD nebulizers.

MEINHARD Plus Nebulizers

MEINHARD® Plus Nebulizers have the lowest dead volume of any glass or quartz nebulizer. The low dead volume and high sensitivity provide excellent detection limits and washout.



Each nebulizer comes with the FitKit+ gas and sample quick connect fittings. The connections are made with high-purity PFA, minimizing the chance of contamination during backflow events. The gas connection fits snugly over the maria on the sidearm of the nebulizer.

- Self aspiration rate 0.5 mL/min with argon flow 1 L/min at 50 PSI (3.4 bar/345 kPa)
- Peristaltic pumped rate 0.5 mL/min to 1.0 mL/min
- Includes FG Gas Quick Connect (PFA) and F2 Quick Connect with 0.5 mm ID (orange marker) capillary, 70 cm

Type	ICP-MS Model	Material	Uptake Rate	Part No.
CT R +	NexION 1000/2000	Glass	0.5 mL/min	N8152373
CT Q +	NexION 1000/2000	Quartz	0.5 mL/min	N8152372
CT SiIQ +	NexION 1000/2000	Ultra-High Purity Quartz	0.5 mL/min	N8152384
SiIQ+	NexION 300/350	Ultra-High Purity Quartz	0.5 mL/min	N8122460
TQ+	NexION 300/350	Quartz	0.5 mL/min	N8122461
TR+	NexION 300/350	Glass	0.5 mL/min	N8122462

Includes FG Gas Quick Connect (**N8121036**) and F2 Quick Connect (**N8121039**) with 0.5 mm ID (orange marker) capillary, 70 cm

Nebulizer Replacement Parts

Description	Part No.
Nebulizer Clip for MEINHARD Nebulizers	N0777460
Nebulizer Liquid Connector Kit 4 mm 4 in. length by 0.020 in. ID x 0.062 in. OD flanged onto female CTFE fitting. Includes one male barb CTFE fitting	N8145016
Male Barb CTFE Fitting (Part of N8145016)	N8145017
Female Barb CTFE Fitting (Part of N8145016)	N8145018
PFA FG Gas Quick Connect	N8121036
F2 Standard Integrated Capillary (0.5 mm ID Orange 70 cm long)	N8121039
F0 Encapsulated Micro Tubing (0.25 mm ID Green 70 cm long)	N8121038
F1 Detachable Capillary (0.80 mm ID Blue 70 cm long)	N8121037
Spray Chamber Drain Fitting	N8145015
PTFE Sample Capillary 0.062 OD x 0.020 ID	WE024375
MEINHARD® Nebulizer Internal Standard Tee	N8152386
MEINHARD® Plus Nebulizer Fitting for Concentric Nebulizer (N8152378)	N8152387
Peripump Union – Male Barb CTFE Fitting	N8152453
Peripump Union – Female Barb CTFE Fitting	N8152388
MEINHARD® Plus Sample Introduction Line for Concentric Nebulizer	N8145503
Concentric Nebulizer 6 in. Gas Line	N8152385

FAST Valve Connecting Lines

Description	Part No.
FAST Valve Connecting Line for ST-Nebulizer, 0.25 mm ID (Green) Attaches to port #3 of the FAST valve, 14 cm	N0777287
FAST Valve Connecting Line for ST-Nebulizer, 0.5 mm ID (Orange) Attaches to port #3 of the FAST valve, 14 cm	N0777288
FAST Valve Connecting Line for ST-Nebulizer, 0.3 mm ID (Yellow) with XL Fitting	N0777769
Internal standard line for P7 valve with XL Fitting, 0.5 mm ID (Orange)	N8145345
F0 FAST Valve Connecting Line for MEINHARD® Plus Nebulizers, 0.25 mm ID (Green)	N8145461
F2 FAST Valve Connecting Line for MEINHARD® Plus Nebulizers, 0.25 mm ID (Green)	N8145346
F0 FAST Valve Connecting Line for MEINHARD® Plus Nebulizers, 0.5 mm ID (Orange)	N8145462
F2 FAST Valve Connecting Line for MEINHARD® Plus Nebulizers, 0.5 mm ID (Orange)	N8145347
FAST Valve Connecting Line for PerkinElmer Gem Cone Nebulizer, 0.50 mm ID (Orange)	N0777659
FAST Valve Connecting Line for PerkinElmer Gem Cone Nebulizer, 1.00 mm ID (Gray)	N0777661
FAST Valve Connecting Line for MIRA MIST Nebulizer, 0.50 mm ID (Orange)	N0777658
FAST Valve Connecting Line for MIRA MIST Nebulizer, 1 mm ID (Gray)	N0777660