

## Optima 8x00 ICP-OES Consumables and Parts Catalog - Meinhard Cross Reference

Perkin Elmer	Meinhard	Description
<b>Demountable Torches and Accessories</b>		
N0780133	ML131053	Quartz Torch, 0 slots
N0780130	ML131030	Quartz Torch, 1 slot
N0780132	ML131052	Quartz Torch, 3 slots
N0781097	MM781097	Copper Ignitor Tape - Qty. 50 pcs.
N0780437	MM770437 Kit	O-ring kit for Adjustable Torch (excludes silicone)
N0780128	N0780128	HybridXLT 1 slot Torch

<b>Nebulizers and Accessories</b>		
00472020	TR-30-A3	Type A, General Purpose
N0777707	TR-50-K1	Type K1, Ar low-flow, high dissolved solids
N0681574	TR-30-K3	Type K3, Reduced flow and organics
N0777414	F5-50	Liquid end connector kit, 4mm
N0777460	Snapper	Nebulizer Clip Tyton Snapper for Meinhard Nebulizers
N0680504	N0680504	End Cap for Concentric Glass Nebulizers
N8122462	TRP-50-A0.5	MicroMist Equivalent - Ar: 0.7 L/min, Uptake: 0.2mL/min (fittings included)
N0775346	TRP-50-A0.5	MicroMist Equivalent - Ar: 0.7 L/min, Uptake: 0.6mL/min (fittings included)
N0775345	TR-50-C2	SeaSpray Equivalent - Ar: 0.7L/min (fittings included)
N0775330	MBR-Peek Mira Mist-P	PEEK MiraMist, 0.2 to 2.5mL/min
N0777219	ME4040-57	Poly-Pro Self Aspirating Nebulizer with external 1/4-28 threaded connector
N0777049	ME2040-57	PFA-ST Self-aspirating Nebulizer-Concentric with external 1/4-28 threaded connector
N0777676	MEST3-57	ST3 MicroFlow PFA nebulizer with external 1/4-28 threaded connector
N0770358	N0770358	GemCone Low-Flow Nebulizer
N0690670	N0690670	GemCone High Dissolved Solids Nebulizer
N0371505	N0371505	Capillary Gland Nut for GemTip Nebulizers
N0770336	N0770336	Quick Disconnect Tubing
N0780546	N0780546	GemTip Cross-Flow II Nebulizer
N0780676	N0780676	Gem Tip Cross-Flow II Tip Kits
N9300067	N9300067	GemTip Cross-Flow II Ryton Nebulizer Assembly O-Ring Kit
	PRL-02	Concentric Glass and Quartz Nebulizer Cleaner

<b>Spray Chambers</b>		
N0776052	ML130021	Cyclonic Spray Chamber, No Baffle, includes UniFit adapter, F5 Drain fitting
N0775351	ME3157-1001-21	Quartz (unbaffled) cyclonic with drain line - o-ring free
N0777496	ME3157-3011-21	Baffled (7mm), PFA Cyclonic Spray Chamber with left hand inlet.
N8145015	F5 Drain	PFA Spray Chamber 4 mm Drain Fitting with 9" x 0.030 PTFE tubing.
N0776053	ML130020	Cyclonic Spray Chamber, Baffle, includes UniFit adapter, F5 Drain fitting
N0775352	ML130020ES	Cyclonic Spray Chamber, Baffle, Easy-Seal Inlet, Includes F5 Drain fitting
N0775355	ML130031ES	Cyclonic Spray Chamber, 4mm Baffle, Easy-Seal Inlet, F5 Drain fitting
N0776090	ML130031	Cyclonic Spray Chamber, 4mm Baffle, Unifit adapter, F5 Drain fitting
N0777036	ME3157-1011-21	Baffled (7mm) Quartz Cyclonic Spray Chamber
N0770357	N0770357	Scott Spray Chamber Assembly (for use with injector support adapter)
N0777645	MEM157-5470-PE	PFA 47mm M100 Chamber with o-ring free PFA endcap and drainline

**Injectors and Injector Support Adapters**  
**Alumina** - corrosion resistant to all mineral acids including HF and aqua regia. **Quartz** - organic solvents and non HF matrices.  
**Sapphire** - ideal for silicon applications.

N0781009	MP81009	0.80mm ID Alumina Injector
N0781015	MP81015	1.2mm ID Alumina Injector
N0781014	MP81014	2.0mm ID (standard with Optima) Alumina Injector
N0781018	ML131061	0.80mm ID Quartz Injector
N0781019	ML131062	1.2mm ID Quartz Injector
N0781013	ML131065	1.2mm ID (ID through entire length of tube) Quartz Injector
N0781016	ML131063	1.6mm ID Quartz Injector
N0781050	ML131060	2.0mm ID Quartz Injector
N0781017	ML131064	3.0mm ID Quartz Injector
N0781008	ME1503-8180	1.8mm ID Sapphire Injector
N0770603	N0770603	Support Adapter, Sample Injector
N0770438	N0770438	Injector Support Adapter O-ring Kit

**Purge Windows**

09992731	MP2731	Optima 2x00/7000/8000, DV Axial
N0690672	MP0672	Optima 2x00/7000/8000, DV Radial
N0771116	ML771116	Optima 4x00/5x00/7100/7200/7300/8300, DV Axial
N0770944	ML770944	Optima 5x00/7100/7200/7300/8300, DV Radial

**2-Stop Pump Tubing - More Material Options and Sizes available at [www.Meinhard.com](http://www.Meinhard.com)**

ID	PVC (Pk/12)	Flared PVC (Pk/12)	SolventFlex (Pk/12)	Viton (Pk/12)	Santoprene (Pk/12)	Silicone (Pk/6)
	\$23.00	\$40.00	\$28.00	\$100.00	\$85.00	\$55.00
0.19 ORG/RED	PVCSD-075 (N0695476)	PVCSD-075-F (N0773111)				
0.25 ORG/BLU	PVCSD-10 (N0773117)	PVCSD-10-F (N0773112)				
0.38 ORG/GRN	PVCSD-15 (N0777110)	PVCSD-15-F (N0777042)	SolFSD-15 (N0777874)			
0.44 GRN/YLW		PVCSD-17-F (N0773113)				
0.51 ORG/YLW		PVCSD-20-F (N077476)		Viton-20 (N0777446)		
0.64 ORG/WHT		PVCSD-25-F (N0777711)				
0.76 BLK/BLK	PVCSD-30 (09908587)	PVCSD-30-F (N0777043)	SolFSD-30 (00473550)	Viton-30 (N0773118)		SIL-30 (00473552)
1.02 WHT/WHT				Viton-40 (N0777442)		SIL-40 (N0777441)
1.14 RED/RED	PVCSD-45 (09908585)		SolFSD-45 (09923037)	Viton-45 (N0773115)	SanSD-45 (N0773119)	SIL-45 (N0691595)
1.3 GRY/GRY				Viton-51 (N0777445)	SanSD-51 (N0777444)	SIL-51 (N0777443)
1.42 YLW/YLW	PVCSD-56 (N0777521)					
1.52 YLW/BLU	PVCSD-60 (09923536)					
1.65 BLU/BLU				Viton-65 (N0777447)		
1.85 GRN/GRN	PVCSD-73 (N0777518)				SanSD-73 (N0773116)	
2.06 PRL/PRL	PVCSD-81 (N0777561)					
2.79 PRL/WHT			SolFSD-110 (02508080)			SIL-110 (09923448)
3.18 BLK/WHT	PVCSD-125 (N8122012)					

**ESI Standards - Please visit our website for a complete listing of Standards**

**Single Element - 1,000 mg/L**

Symbol	PerkinElmer (125ml)	Meinhard (100ml)	Price	PerkinElmer (500ml)	Meinhard (500ml)	Price
Al	N9300184	S1-Al-1000x100	\$30.00	N9300100	S1-Al-1000x500	\$85.00
Cd	N9300176	S1-Cd-1000x100	\$30.00	N9300107	S1-Cd-1000x500	\$85.00
Ca	N9303763	S1-Ca-1000x100	\$30.00	N9300108	S1-Ca-1000x500	\$85.00
Cr	N9300173	S1-Cr-1000x100	\$30.00	N9300112	S1-Cr-1000x500	\$85.00
Cu	N9300183	S1-Cu-1000x100	\$30.00	N9300114	S1-Cu-1000x500	\$85.00
Fe	N9303771	S1-Fe-1000x100	\$30.00	N9300126	S1-Fe-1000x500	\$85.00
Pb	N9300175	S1-Pb-1000x100	\$30.00	N9300128	S1-Pb-1000x500	\$85.00
Hg	N9300174	S1-Hg-1000x100	\$30.00	N9300133	S1-Hg-1000x500	\$85.00
Na	N9303785	S1-Na-1000x100	\$30.00	N9300152	S1-Na-1000x500	\$85.00
Zn	N9300178	S1-Zn-1000x100	\$30.00	N9300168	S1-Zn-1000x500	\$85.00

**Meinhard Recommended Products**

N0775358  
N8121035  
N8145236

***We Offer:***

PRL-2  
SC-0599-0109  
ES-2046-0001

Nebulizer cleaner for all quartz and glass concentric nebulizers  
Syringe flush kit. Includes 3 mL syringe, two luer to 1/4-28 adapters.  
Fused silica obstruction removal kit for ST-type nebulizers.