

IONGARD™ SL PURIFIER

Ideal for removal of metal ions from photoresists and ultra-high-purity solvents

IONGARD™ SL PURIFIER

FAST AND EFFECTIVE REMOVAL OF METAL IONS FROM PHOTORESISTS AND ULTRA HIGH PURITY SOLVENTS

Cobetter IonGard™ SL Purifier has been specifically designed for the removal of metal contaminants from photoresists and ultra high purity solvents.

By modifying the ion exchange groups on the surface of membrane, the IonGard SL Purifier provides a fast and effective metal ions removal capability in various solvents and solvent resin mixtures.

Available in a wide variety of sizes and configurations to meet all your requirements.

FEATURE	BENEFIT
Modified PE purification membrane	Provides high metal removal efficiency
	Provides high ion-exchange capacity
	Provides total metal removal for ultraclean chemical manufacturers
Ultraclean HDPE capsules	Ultraclean capsules with industry-standard fittings are perfect for research and small batch production.
Manufactured in a cleanroom	IonGard SL is clean packaged and ready to install
Cartridge length to 20"	Ideal for resist and solvent production lines

SPECIFICATIONS

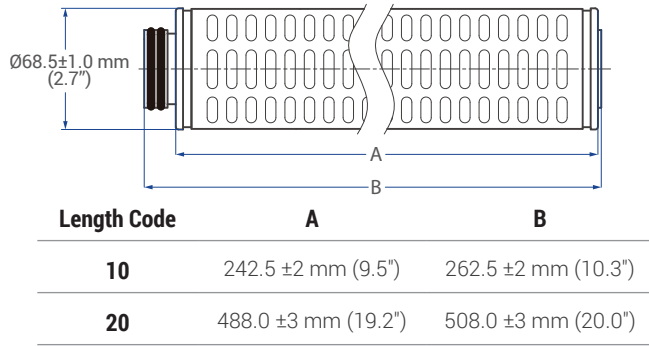
	Cartridge		Capsule
Purification Membrane	Modified PE		Modified PE
Support/Drainage/Core/Cage/End Caps	HDPE		HDPE
Shell	-		PP
O-rings	TEV or FFKM		TEV or FFKM
Max. Operating Temperature	60°C		60°C
Max. Operating Pressure	0.34 MPa (3.4 bar, 49 psi) @ 25°C		0.34 MPa (3.4 bar, 49 psi) @ 25°C
Filter Areas	X1: (68 mm) 0.5 m ²	Z1: (83 mm) 0.7 m ²	X1: (68mm) 0.1 m ²
Total Metal Ion Exchange Capacity (90% Efficiency)	>50 meq	>80 meq	>10 meq



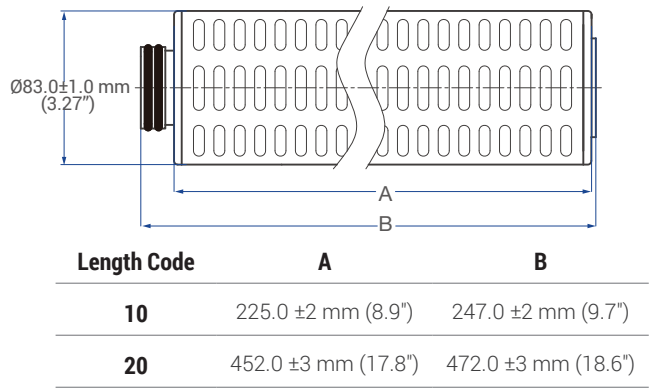
Typical Applications

- Most organic solvents and photoresists in semiconductor manufacturing
- Precursor materials (solvent, resins and polymers, etc.) used in photochemical manufacturing
- Bulk and point-of-use solvent purification

IONGARD SL: X1 CARTRIDGE FILTERS (2-222/FLAT)



IONGARD SL: Z1 CARTRIDGE FILTERS (2-222/FLAT)

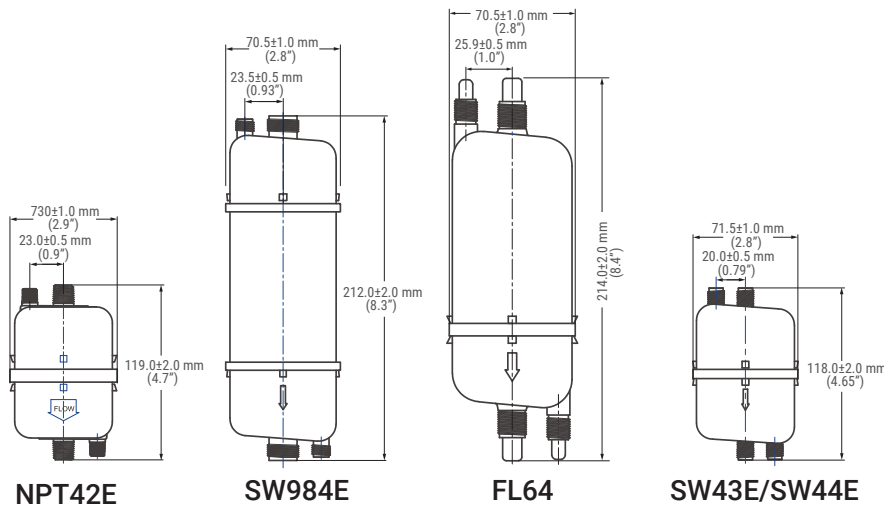


IONGARD SL CARTRIDGE ORDERING INFORMATION (222/FLAT)

EXAMPLE: **MGSX1100TCEUHD** = 68mm, 10" length, EPDM seal, < 1 μ g/device, packaged dry

MGS	OTC		UH	D
Diameter	Nominal Length	Seal Material	Cleanliness	Package
X1 = 68 mm Z1 = 83 mm	10 = 10" 20 = 20"	P = TEV K = FKKM	UU = < 1 μ g/device UH = < 3 μ g/device	D = Dry

IONGARD SL CAPSULE DIMENSIONS

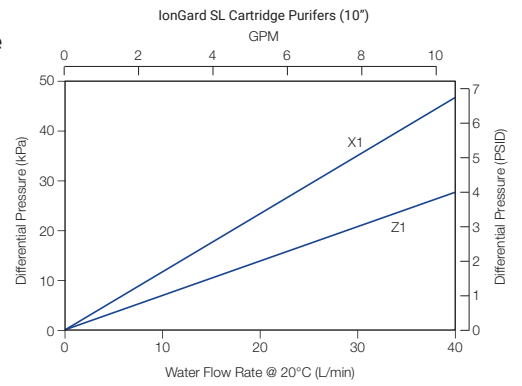


IONGARD SL PURIFIER CAPSULE ORDERING INFORMATION

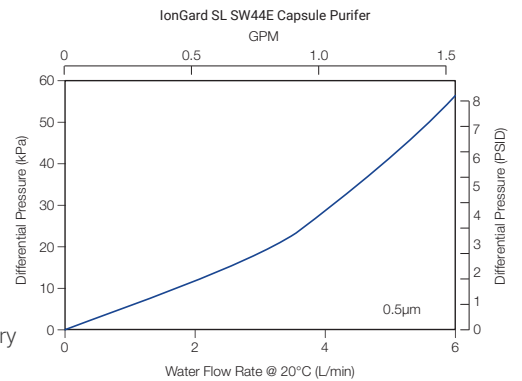
EXAMPLE: **MGSFL64EUHD** = Flare FL64E type with 3/8" I/O and 1/4" V/D, < 3 μ g/device packaged dry

MGS	UH	D
Connection Type	Cleanliness	Package
	UH = < 3 μ g/device	D = Dry
Inlet/Outlet	Vent/Drain	
FL64E = Flare Type	3/8"	1/4"
NPT42E = NPT	1/4"	1/8"
SW43E = Compression	1/4"	4 mm
SW44E = Compression	1/4"	1/4"
SW984E = Compression	1/2"	1/4"

IONGARD SL CARTRIDGE FLOW RATES



IONGARD SW44E FLOW RATES



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