

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

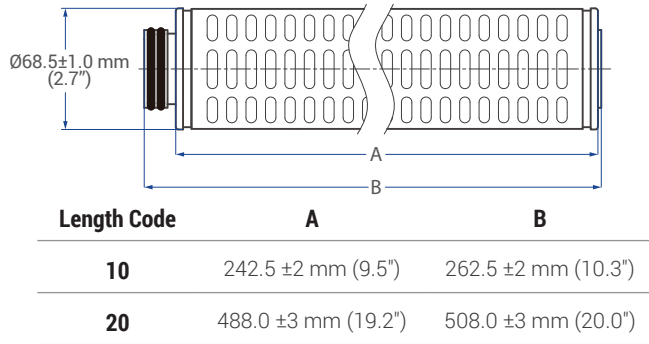
	Cartridge		Capsule
Purification Membrane	Modified PE		Modified PE
Support/Drainage/Core/Cage/End Caps	HDPE		HDPE
Shell	-		PP
O-rings	TEV or EPDM		TEV or EPDM
Max. Operating Temperature	60°C		60°C
Max. Operating Pressure	0.34 MPa (3.4 bar, 49 psi) @ 25°C		0.34 MPa (3.4 bar, 49 psi) @ 25°C
Filter Areas	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)	>80 meq	>120 meq	>16 meq



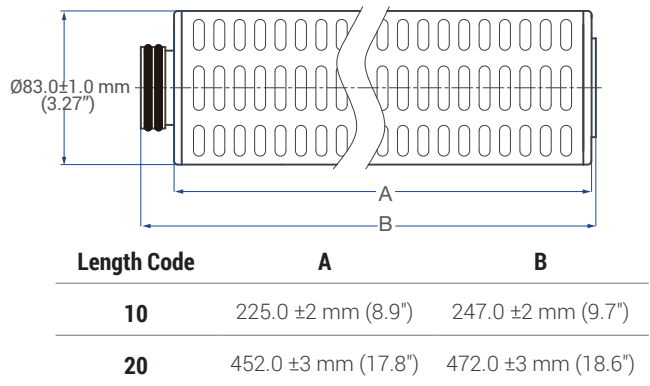
Typical Applications

- 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)

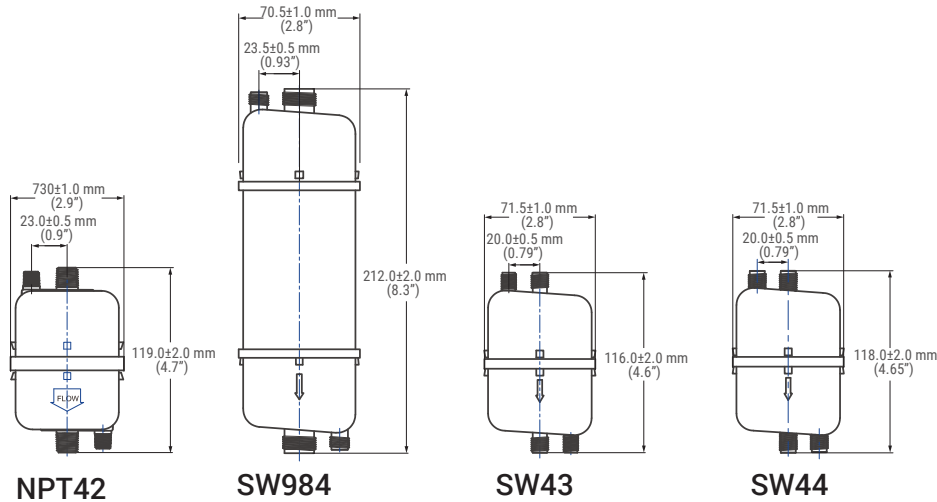


IONGARD SL CARTRIDGE ORDERING INFORMATION (222/FLAT)

EXAMPLE: **MGSX1100TCEUHD** = 68mm, 10" length, EPDM seal, High Clean Grade, packaged dry

MGS	<input type="text"/>	<input type="text"/>	OTC	<input type="text"/>	UH	D
Diameter		Nominal Length			Cleanliness	Package
X1 = 68 mm		10 = 10"			UH = High Clean Grade	D = Dry
Z1 = 83 mm		20 = 20"				
			Seal Material			
			P = TEV			
			E = EPDM			

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, High Clean Grade, packaged dry

MGS	<input type="text"/>	UH	D
		Cleanliness	Package
		UH = High Clean Grade	D = Dry
Connection Type		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"



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CBBPP1146 Rev. 08172020
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