

## IONGARD™ AQUA PURIFIER

Cobetter IonGard™ Aqua Purifier has been specifically designed for the removal of metal contaminants from ultrapure water.

The IonGard™ Aqua Purifier can immediately and spontaneously remove metal ions from the water through ion exchange groups, making it especially suitable for the semiconductor industry's most terminal final cleaning processes.

Available in a wide variety of sizes and configurations to meet all of your requirements. Please contact your Cobetter sales engineer for additional information.

FEATURE	BENEFIT
<b>Modified PE membrane</b>	High metal removal efficiency Total metal removal for ultrapure water
<b>Clean manufacturing</b>	Manufactured in a cleanroom environment

### SPECIFICATIONS

	Cartridge		Capsule
<b>Purification Membrane</b>	Modified PE		
<b>Support/Drainage/Core/Cage/End Caps</b>	HPDE or PP		HPDE
<b>Shell</b>	-		HDPE
<b>O-rings</b>	TEV or FFKM		
<b>Max. Operating Temperature</b>	30°C	85°C	30°C
<b>Max. Differential Pressure</b>	0.34 MPa		
<b>Filter Area</b>	<b>X1</b> (Ø68mm) 0.7 m <sup>2</sup> /10"	<b>Z1</b> (Ø83mm) 1.1 m <sup>2</sup> /10"	<b>X1</b> (Ø68mm) 0.15 m <sup>2</sup>
<b>Total Metal Ion Exchange Capacity (90% Efficiency)</b>	>50 meq	>80 meq	> 10 meq

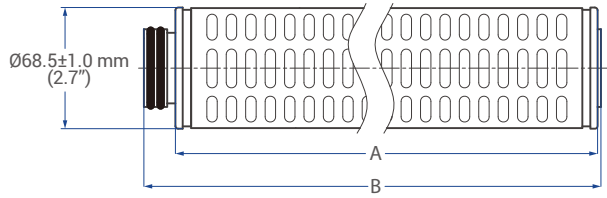
Note: The filter area of capsule refers specifically to SW44.



### Typical Applications

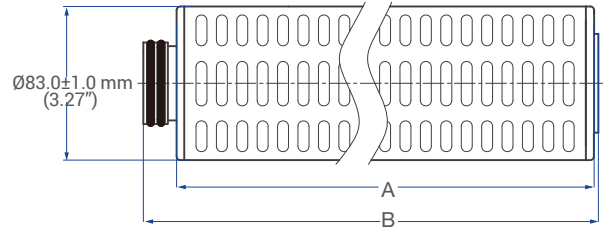
- Bulk water purification
- Point-of-use water purification

### IONGARD X1, X2 CARTRIDGE FILTERS (2-222/FLAT)



Length Code	A	B
10	242.5 ± 2 mm (9.5")	262.5 ± 2 mm (10.2")
20	488.0 ± 3 mm (19.2")	508.0 ± 3 mm (20.0")

### IONGARD Z1, Z2 CARTRIDGE FILTERS (2-222/FLAT)



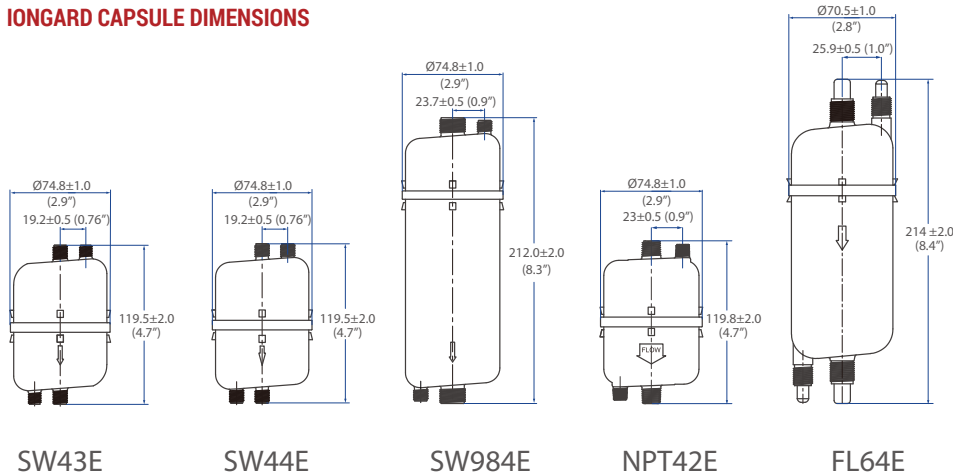
Length Code	A	B
10	225.0 ± 2 mm (8.9")	245.5 ± 2 mm (9.7")
20	452.0 ± 3 mm (17.8")	472.5 ± 3 mm (18.6")

### IONGARD CARTRIDGE ORDERING INFORMATION

EXAMPLE: **MGAPX10TC10PSD** = PP, 68 mm dia., 10", with TEV seals, <10 µg/device cleanliness, packaged dry

<b>MGA</b>	<input type="text"/>	<input type="text"/>	<b>OTC</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<b>Support/Core</b> (blank) = HDPE P = PP	<b>Diameter</b> X1 = 66 mm Z1 = 83 mm		<b>Nominal Length</b> 10 = 10" 20 = 20"		<b>Seal Material</b> P = TEV K = FFKM	<b>S</b>	<b>D</b>
							<b>Cleanliness</b> S = < 10 µg/device	<b>Packaging</b> D = Dry

### IONGARD CAPSULE DIMENSIONS



### IONGARD CAPSULE ORDERING INFORMATION

EXAMPLE: **MGASW44ESD** = 1/4" I/O, 1/4" vent/drain (Swagelok compatible), <10 µg/device cleanliness, packaged dry

<b>MGA</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<b>S</b>	<b>D</b>
		<b>Cleanliness</b> S = < 10 µg/device	<b>Packaging</b> D = Dry

#### Connections

- SW43E = 1/4" I/O, 4 mm vent/drain (Swagelok compatible)
- SW44E = 1/4" I/O, 1/4" vent/drain (Swagelok compatible)
- SW984E = 1/2" I/O, 1/4" vent/drain (Swagelok compatible)
- NPT42E = 1/4" I/O, 1/8" vent/drain (NPT)
- FL64E = 3/8" I/O, 1/4" vent/drain (CFL)



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