

# Purasol® SN/SP-C Solvent Purifiers

*Total metal removal for ultraclean  
chemical manufacturers and  
semiconductor applications*

Purasol® SN/SP-C solvent purifiers deliver best-in-class solutions for ultraclean chemical manufacturers. Using a uniquely tailored membrane technology, the versatile purifier can efficiently remove both dissolved and colloidal metal contaminants from a wide variety of polar and non-polar solvents, including ketones such as cyclohexanone.

## APPLICATIONS

- Photochemical solvents used in photolithography applications
- Raw materials used in photochemical manufacturing



## FEATURES & BENEFITS

### Broad chemical compatibility

Most organic photochemical solvents (including ketones such as cyclohexanone)

Raw materials (such as polymer solutions) used in photochemical manufacturing

### UPE purification media

Superior cleanliness compared to other purifier technologies

### Two distinct purification media types

Ensuring total metal removal in both polar and nonpolar solvents

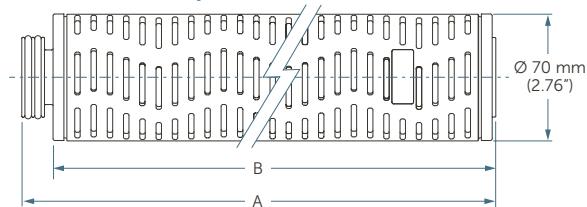
## SPECIFICATIONS

<b>Materials of construction</b>	Purification media	Modified ultra high molecular weight polyethylene (UPE)
	Shell, core, supports	High-density polyethylene (HDPE)
	Device connection type	E-FKM o-ring (cartridge)
		1/4" compression (disposable)
<b>Removal rating</b>	0.2 $\mu\text{m}$ nominal	
<b>Membrane surface area</b>	Disposable	0.17 $\text{m}^2$ (1.8 $\text{ft}^2$ )
	Cartridges	10" 1.1 $\text{m}^2$ (11.8 $\text{ft}^2$ )
		20" 2.2 $\text{m}^2$ (23.7 $\text{ft}^2$ )
<b>Maximum operating conditions</b>	Maximum inlet pressure: 0.34 MPa (3.4 bar, 50 psi) @ 25°C (77°F)	
	Maximum forward/reverse differential pressure: 0.24 MPa (2.4 bar, 35 psid) @ 25°C (77°F)	
	Maximum operating temperature: 60°C (104°F)	

## DIMENSIONS

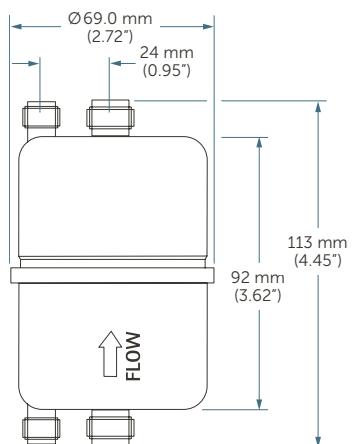
### Purasol Cartridge Purifiers – Code 0 (70 mm width)

#### Without Chemlock® Key



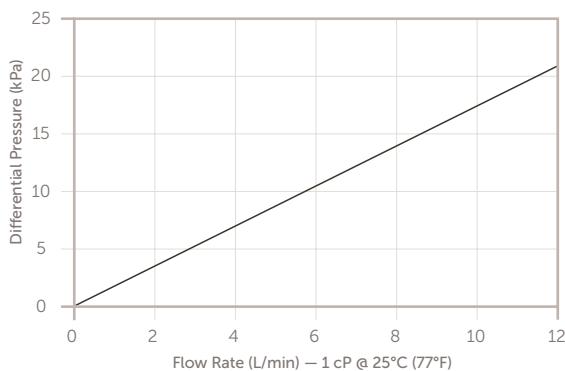
Length	A	B
10"	262.3 mm (10.33")	245.0 mm (9.65")
20"	506.5 mm (19.94")	489.2 mm (19.26")

### Purasol Disposable Purifier

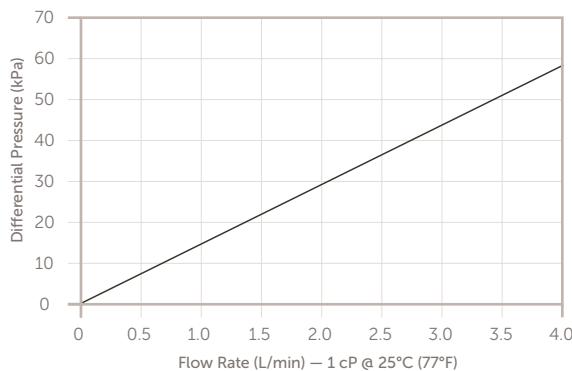


## PERFORMANCE DATA

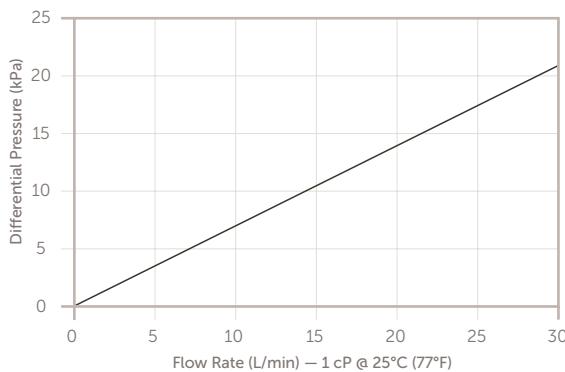
Typical Purasol SN/SP-C 10" Cartridge Solvent Purifier Flow Performance



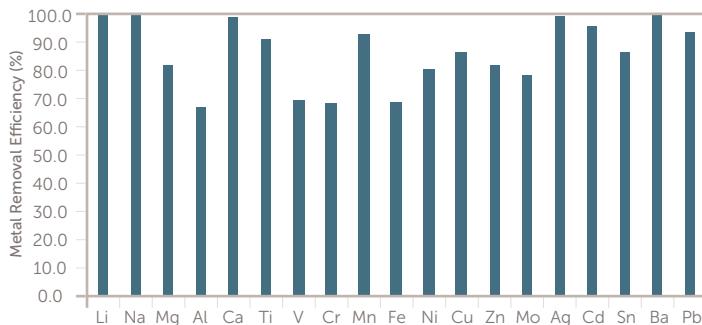
Typical Purasol SN/SP-C Disposable Solvent Purifier Flow Performance



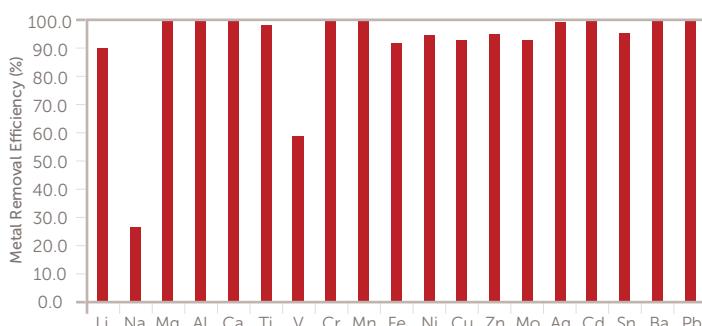
Typical Purasol SN/SP-C 20" Cartridge Solvent Purifier Flow Performance



Multi-metal Removal Efficiency of Purasol SP-C Solvent Purifiers in PGMEA



Multi-metal Removal Efficiency of Purasol Solvent Purifiers in Cyclohexanone



Note: The removal efficiency data was collected by spiking a controlled amount of metal elements in individual solvents. Actual performance may vary depending on customer application conditions. Please contact your local Entegris office for any product inquiries and/or applications support.

## ORDERING INFORMATION

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Part number	Product description
PLNG01PST	Purasol SN 10" solvent purifier Code 0, E-FKM
PLNG02PST	Purasol SN 20" solvent purifier Code 0, E-FKM
PLNG0S1S1	Purasol SN disposable solvent purifier 1/4" compression fitting
PLPG01PST02	Purasol SP-C 10"/70 mm cartridge purifier
PLPG02PST02	Purasol SP-C 20"/70 mm cartridge purifier
PLPG0S1S12	Purasol SP-C disposable purifier 1/4" compression fitting

### FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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