

# Purasol™ SP/SN Solvent Purifier

*Provides total metal removal for  
ultraclean chemical manufacturers*

Purasol™ SN/SP 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 nonpolar solvents, including ketones such as cyclohexanone .



## APPLICATIONS

- Photolithography solvents
- Raw materials (resin, polymer solutions, etc.) used in photochemical manufacturing

## FEATURES & BENEFITS

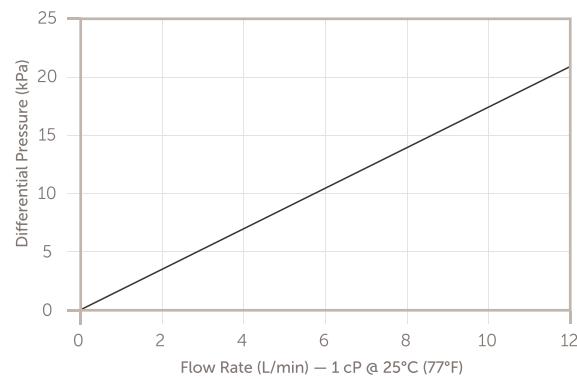
UPE purification media	Is compatible with most organic photochemical solvents including ketones and cyclohexanone
	Offers broad compatibility with raw materials such as polymer solutions used in photochemical manufacturing
	Provides superior cleanliness compared to other purifier technologies
Two distinct purification media types available .	Ensures total metal removal in both polar and nonpolar solvents .

## SPECIFICATIONS

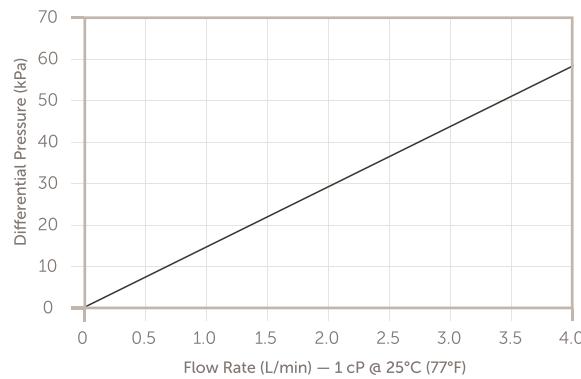
<b>Materials</b>	Purification media	Modified ultra high molecular weight polyethylene (UPE)
	Shell, core, supports	High-density polyethylene (HDPE)
	Device connection type	E-FKM O-ring (cartridge)
		1/4" compression seal
<b>Removal rating</b>	0.2 $\mu\text{m}$ nominal	
<b>Membrane surface area</b>	Disposable	0.17 $\text{m}^2$
	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 psi) @ 25°C (77°F)
	Maximum operating temperature	60°C (140°F)

## PERFORMANCE DATA

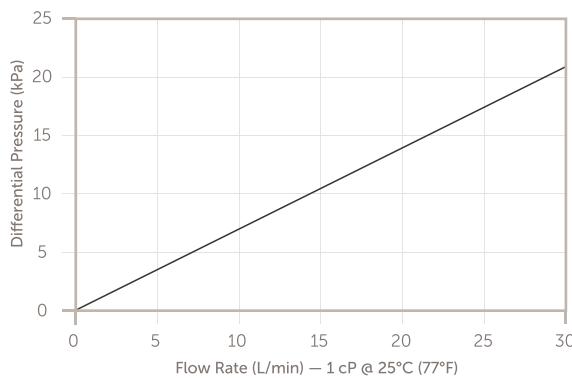
Typical Purasol SN/SP-C 10" Cartridge Solvent Purifier Flow Performance



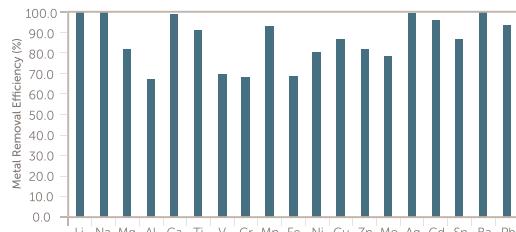
Typical Purasol SN/SP-C Disposable Solvent Purifier Flow Performance



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

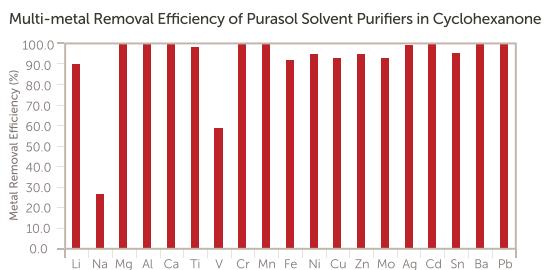


Multi-metal Removal Efficiency of Purasol SP-C Solvent Purifiers in PGMEA



## PERFORMANCE DATA

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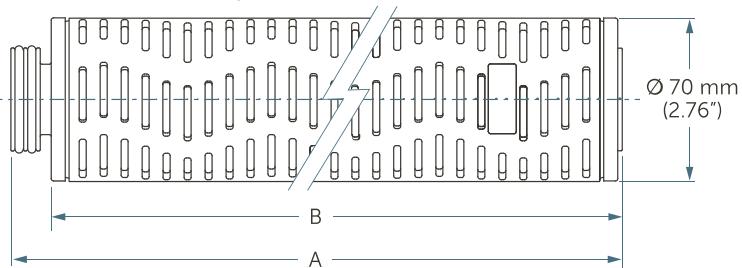


## DIMENSIONS

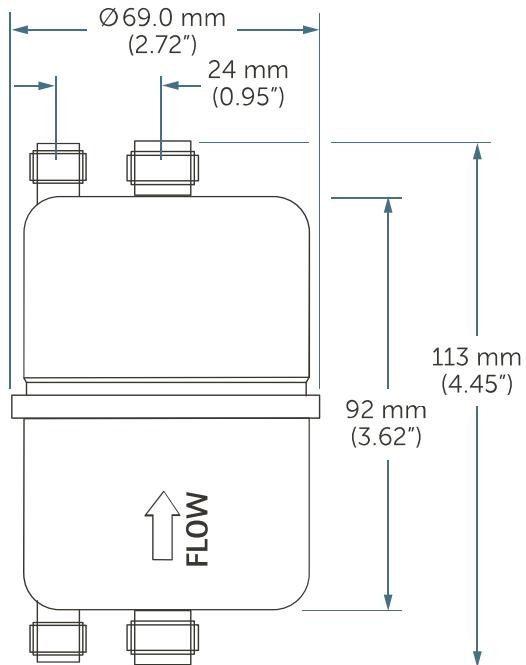
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Purasol Cartridge Purifiers – Code 0 (70 mm width)

Without Chemlock® Key



Purasol Disposable Purifier



## ORDERING INFORMATION

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PART NUMBER	PRODUCT TYPE	LENGTH
PLNG01PST	SN solvent purifier	10"
PLNG02PST	SN solvent purifier	20"
PLNG0S1S1	SN disposable solvent purifier	N/A
PLPG02PST	SP solvent purifier	20"
PLPG0S1S1	SP disposable solvent purifier	N/A

### FOR MORE INFORMATION

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