

Purasol™ SN/SP Solvent Purifiers

*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 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



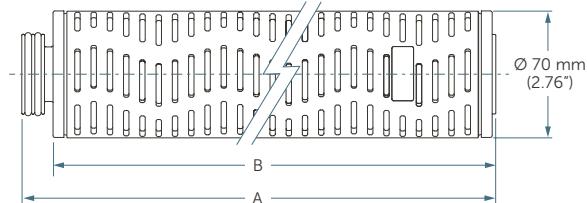
SPECIFICATIONS

Materials of construction	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)
Removal rating	0.2 μ m nominal	
Membrane surface area	Disposable	0.17 m ² (1.8 ft ²)
	Cartridges	10" 1.1 m ² (11.8 ft ²)
		20" 2.2 m ² (23.7 ft ²)
Maximum operating conditions	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

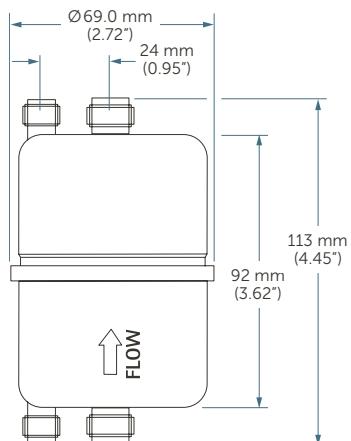
Purasol Cartridge Purifiers – Code 0 (70 mm width)

Without Chemlock® Key



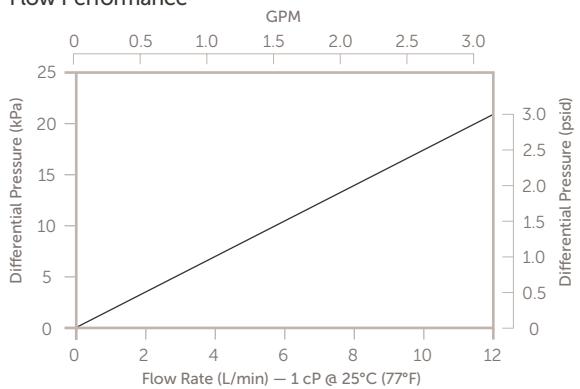
Length	A	B
10"	262.3 mm (10.33")	245.0 mm (9.65")
20"	506.5 mm (19.94")	489.2 mm (19.26")

Purasol Disposable Purifier

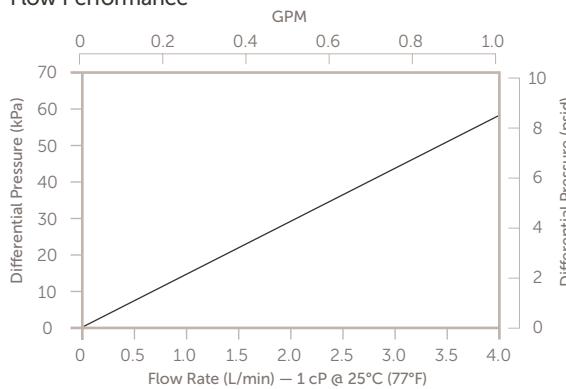


PERFORMANCE DATA

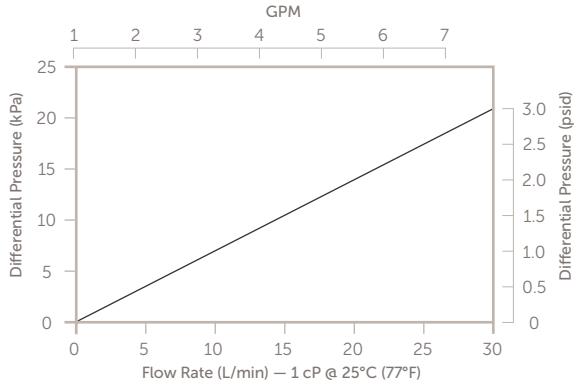
Typical Purasol SN/SP 10" Cartridge Solvent Purifier Flow Performance



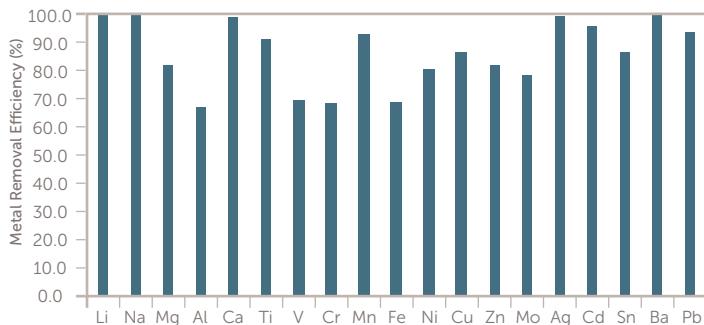
Typical Purasol SN/SP Disposable Solvent Purifier Flow Performance



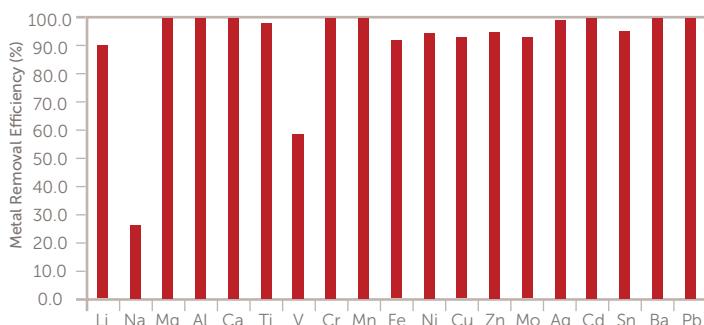
Typical Purasol SN/SP 20" Cartridge Solvent Purifier Flow Performance



Multi-metal Removal Efficiency of Purasol 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

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
PLPG01PST	Purasol SP 10" solvent purifier Code 0, E-FKM
PLPG02PST	Purasol SP 20" solvent purifier Code 0, E-FKM
PLPG0S1S1	Purasol SP disposable solvent 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 and select the Contact Us link to find the customer service center nearest you.

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