

Eximor® SV5 Filter

Point-of-use filtration for negative tone developers (NTD) and critical photochemical solvent applications

The Eximor® SV5 solvent filter satisfies stringent customer requirements for particle removal performance in sub-20 nm node photochemical solvent applications. This filter is exclusively designed for use on Tokyo Electron Limited (TEL®) LITHIUS Pro™ series clean tracks.

Eximor SV5 Plus is the latest addition to our Eximor SV5 product family, jointly developed by TEL for their LITHIUS Pro series clean tracks. While the current SV5 is designed primarily for NTD solvents, it is not applicable for cyclohexanone, which is an aggressive ketone solvent with increasing usage in photolithography processes. Eximor SV5 Plus has a unique filtration media designed to deliver superior filtration performance in cyclohexanone. Eximor SV5 Plus filters have the same type of PTFE construction and flow path as the existing Eximor SV5 solvent filter, delivering maximum filter cleanliness and broad chemical compatibility.

APPLICATIONS

- Negative tone development (NTD) solvents
- Reducing resist consumption (RRC) solvents



Eximor SV5 and SV5 Plus filters for sub-20 nm technology nodes

FEATURES & BENEFITS

Next-generation solve filter	Exclusively designed for use on TEL LITHIUS Pro series clean tracks
	Delivers filtration performance for the most advanced sub-20 nm technology nodes
	Provides superior defect reduction performance in NTD solvent applications, compared to its predecessor Eximor SV1 filter
Unique PTFE-based membrane	Provides superior removal efficiency
	Reduces on-wafer defects
	Improves process yield
All PTFE filter construction	Enhances product cleanliness and solvent filtration efficiency
	Supports broad chemical compatibility
	Enables clean, point-of-use operation

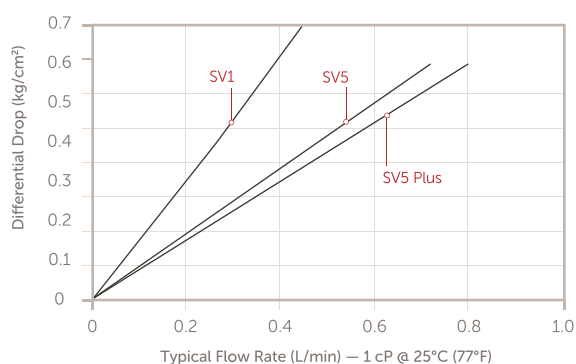
SPECIFICATIONS

Materials	Membrane	PTFE-based
	Shell, core, supports	PFA
	O-ring (OF)	Kalrez® perfluoroelastomer
Maximum operating conditions	Maximum inlet pressure	0.39 MPa (3.9 bar, 57 psi) @ 25°C (77°F)
	Maximum forward/reverse differential pressure	0.29 MPa (2.9 bar, 42 psi) @ 25°C (77°F)
	Maximum operating temperature	40°C (104°F)
Compatibility	Compatible with most photochemical solvents, such as nBA, EL, PGMEA, PGME, NMP, etc. Please consult Entegris for more information on chemical compatibility	
Hold up volume	50 mL	

Entegris recommends that customers change filters at least annually to ensure optimal filtration performance. Routine annual changeout will also reduce the potential of chemical leakage that can result from excessive usage. Our standard warranty period is 1 year (from Entegris ship date).

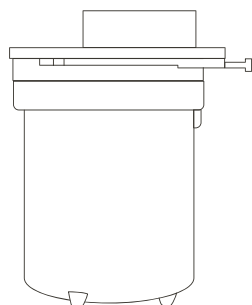
PERFORMANCE DATA

Eximor SV5 and SV5 Plus Solvent Filters



DRAWINGS

Side View



ORDERING INFORMATION

PART NUMBER	PRODUCT TYPE
EX5TS00K1	Eximor® SV5 Plus filter
EX5TT00K1	Eximor® SV5 filter

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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