

Sumipax Filter Series

End-capped OctaDecylSilyl(ODS)-ized Solid Type Porous Glass Guard Filter



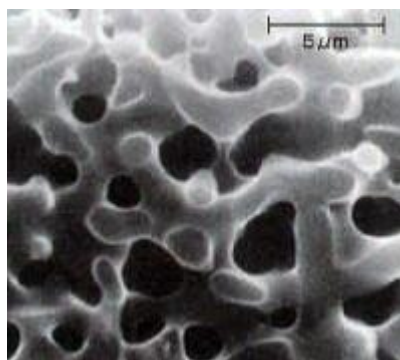
Semi-micro Type



Analytical Type



Preparative Type



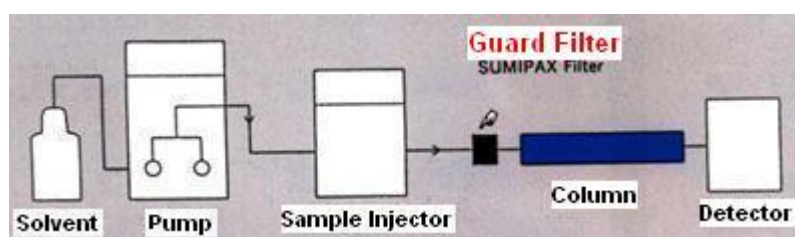
Filter

* Net 2μm bore

Guard filter Sumipax Filter PG-ODS is a filter for HPLC which has a effect as a guard column. Sumipax filter PG-ODS is a end-capped octadecylsilyl-ized (ODS) solid type porous glass guard filter. Generally, with sample analyses by HPLC, HPLC columns adsorb various small materials from samples. It causes to shorten column life. Sumipax Filter PG-ODS not only prevent dust particles from invading into HPLC columns, but also does not influence number of theoretical plates and chromatograph patterns, and a pressure loss is extremely small.

(Sumipax filter PG-OH is a not end-capped and octadecylsilyl-ized (ODS) filter.)

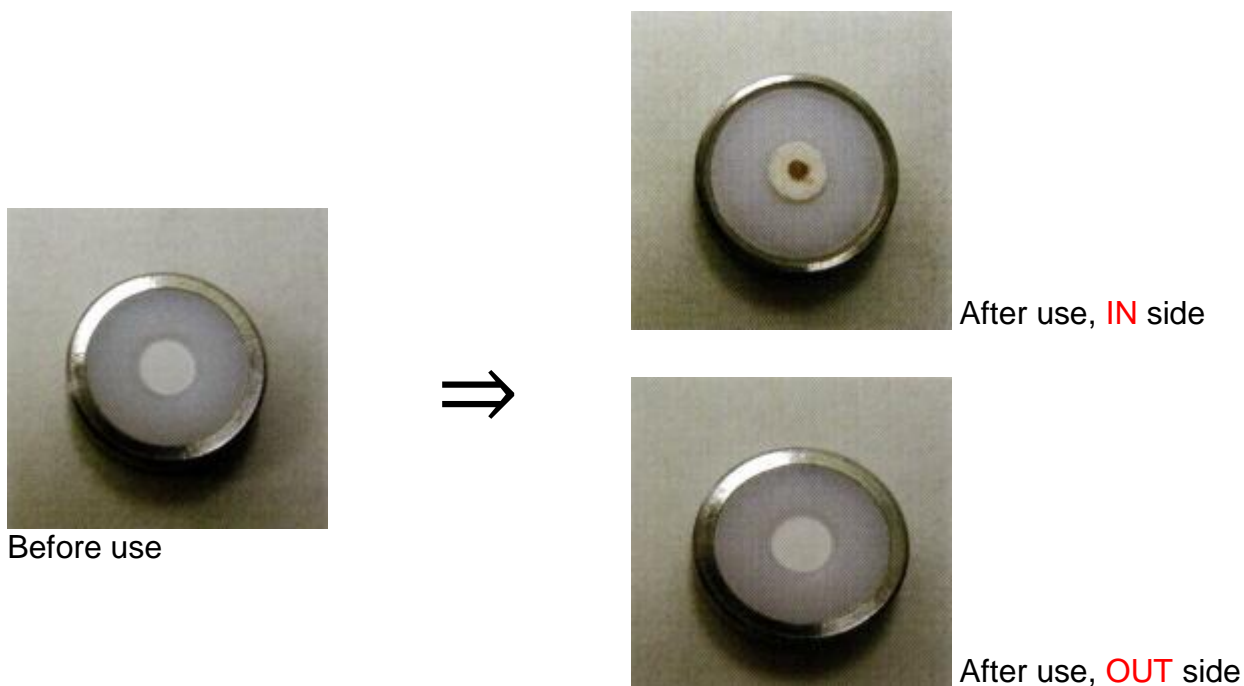
Net bore size : 2μm (monolith type)



Features

- Prevent dust particles from invading into HPLC columns
- Monolith type filter does not almost influence a pressure loss
- Useful for various HPLC columns as a guard column
- Almost not influence number of theoretical plates and chromatograph patterns
- All HPLC mobile phases are available with
- Almost samples are available with
- Easy to change filters and to check by eyes

Below pictures show conditions of Sumipax Filter's surface, Before use and After use. The surface of After use, IN side trapped dust particles, and the picture of After use, OUT side shows the dust particles did not come through the filter.



Sumipax Filter Types (Analytical, Semi-micro, Preparative)

Type	Filter size (length x diameter)	Pressure loss	Recommended Column ID (mm)	Flow rate
Analytical	4mm x 4mm	about 0.1 MPa (1mL/min) about 0.8 MPa (10mL/min)	4, 4.6, 6, 8, 10	0.2mL/min - 10.0mL/min
Semi-micro	2mm x 2mm	about 0.0 MPa (0.2mL/min) about 0.4 MPa (0.4mL/min)	1, 2, 3, 4, 4.6, 6	0.05mL/min - 2.0mL/min
Preparative	6 pcs. analytical type filters (see above picture)	about 0.0 MPa (20mL/min) about 0.6 MPa (100mL/min)	10, 20, 50	5.0mL/min - 100mL/min