

## HPLC Accessories

### Mobile Phase Degassing / Filtration



#### Supelco Mobile Phase Filtration Apparatus

Protect your instrument and columns by removing particles and gases from solvents and other mobile phase components. Nylon 66 membrane filters are compatible with all solvents commonly used in HPLC.

Filtration Apparatus 1 (connects to 1000mL sidearm flask) - Includes 250mL glass reservoir, funnel base and stopper, clamp, stainless steel holder and screen, 10 Teflon gaskets, 50 Nylon 66 filters (47mm, 0.45µm pores).

Filtration Apparatus 2 (connects to aspiration line) - Includes 250mL glass reservoir, 34/45 tapered funnel base, 34/45 tapered 1000mL flask and glass cap, clamp, stainless steel holder and screen, 10 Teflon gaskets, 50 Nylon 66 filters (47mm, 0.45µm pores).

DESCRIPTION	CAT. NO.	PRICE
<b>SUPELCO MOBILE PHASE FILTRATION APPARATUS</b>		

Filtration Apparatus 1	58061	
Filtration Apparatus 2	58062-U	

#### REPLACEMENT GLASS PARTS

For Filtration Apparatus 1		
Reservoir, 250mL	58063	
Reservoir, 500mL	58074	
Funnel Base and Stopper	58064	
For Filtration Apparatus 2		
Tapered Funnel Base	58068	
Tapered Flask, 1000mL	58070-U	
Tapered Flask, 2000mL	58075	
Cap for Flask	58071	

#### REPLACEMENT FILTER PARTS FOR BOTH APPARATUS

Filter Holder and Screen, SS	58065	
Gaskets, Teflon (pk. of 10)	58066	
Filter, Nylon 66, 47mm (pk. of 50)		
0.45µm pores	58067	
0.20µm pores	58060-U	
Clamp, Spring Action	58053	
Vacuum Flask, 1000mL, with Sidearm	Z290459-1EA	

#### Membrane Filter Disks, fits all 47mm Filtration Units

DESCRIPTION	PORE SIZE (µm)	QTY.	CAT. NO.	PRICE
Nylon 66	0.45	50	58067	
	0.20	50	58060-U	
Teflon	1.0	10	58097	
	1.5	10	58086	
Cellulose	0.22	100	58188	

#### Nylon 46 Membrane Filters

Hydrophilic, compatible with a wide range of chemicals.

DIAMETER (mm)	PORE SIZE (µm)	QTY.	CAT. NO.	PRICE
25	0.45	100	Z290815-100EA	
47	0.2	100	Z290807-100EA	
47	0.45	100	Z290793-100EA	
90	0.45	25	Z290785-25EA	

#### Solvents and Solutions Compatible with Nylon 66 and Nylon 46 Filters

##### RECOMMENDATIONS

##### ACIDS

Acetic acid, 1%

##### BASES

Potassium hydroxide, 6N

##### ALCOHOLS

Amyl alcohol	Ethanol	Isopropanol
Benzyl alcohol	Ethylene glycol	Methanol
Butyl alcohol	Glycerine (glycerol)	Methyl Cellosolve
Butyl Cellosolve	Isobutyl alcohol	Propanol

##### SOLVENTS

Acetone	Dimethylformamide	Methyl ethyl ketone
Acetonitrile	Dimethylsulfoxide	Methyl isobutyl ketone
Amyl acetate	Dioxane	Nitrobenzene
Benzene <sup>1</sup>	Ethyl ether	Methylene chloride <sup>1</sup>
Bromoform	Ethylene dichloride	Pentane
Butyl acetate	Formaldehyde	Perchloroethylene
Carbon tetrachloride <sup>1</sup>	Freon 113	Tetrahydrofuran <sup>1</sup>
Cellosolve (2-ethoxyethanol)	Gasoline	Trichloroethylene
Chloroform <sup>1</sup>	Hexane	Toluene <sup>1</sup>
Cyclohexane	Isopropyl acetate	Trichlorethane
Cyclohexanone	Kerosene	Triethylamine
Diethylacetamide	Methyl acetate	Xylene <sup>1</sup>

Note: Controlled vacuum is recommended to prevent boiling of volatile solvents.

<sup>1</sup> Limited stability in neat solvent.