

All-Glass Vacuum Mobile Phase Filtration System

FilterSys™

- Prevents pump and system component damage
- Rapid filtration of buffers, organics and corrosive liquids
- Removes damaging microparticulates and bacterial contaminants
- HPLC and GC solvent and sample filtration, 1 to 4 L units



WARNING: The apparatus should be used with a water aspiration line, not a true vacuum line, unless secured behind an appropriate safety shield.

Ordering Information

Mobile Phase Filtration System

Part No.	Description	Unit	Price
Complete Assembly			
AHO-1566	FilterSys™, 47 mm, 300 mL funnel with 1 L vacuum flask	ea	
AHO-3314	FilterSys™, 47 mm, 500 mL funnel with 2 L vacuum flask	ea	
AHO-3315	FilterSys™, 47 mm, 1000 mL funnel with 4 L vacuum flask	ea	

Component Parts

AHO-1567	Fritted support base, 47 mm, 40/35 taper	ea	
AHO-1568	Funnel, graduated, 300 mL, 47 mm	ea	
AHO-3323	Funnel, graduated, 500 mL, 47 mm	ea	
AHO-3324	Funnel, graduated, 1000 mL, 47 mm	ea	
AHO-1569	1 liter filter flask, 40/35 taper	ea	
AHO-3321	2 liter filter flask, 40/35 taper	ea	
AHO-3322	4 liter filter flask, 40/35 taper	ea	
AHO-1570	Aluminum clamp, 47 mm	ea	

Solvent Pickup Adapter

This glass adapter enables direct pickup of mobile phase solvent for filtration using the Phenomenex FilterSys™. The adapter includes a 4 mm PTFE valve with ¼ in. OD outlet, PTFE 90° elbow with compression fittings for ¼ in. OD tubing, and 3 feet of ¼ in. OD PTFE tubing.



Ordering Information

Solvent Pickup Adapter

Part No.	Description	Unit	Price
AHO-2947	Mobile Phase Pickup Adapter, 47 mm	ea	



For additional information on the FilterSys Filtration System, see p. 353
For additional information on the Solvent Pickup Adapter, see p. 354

Filter Membranes

Phenex™

- RC, Nylon, PTFE (Teflon®), and other membranes available
- Wide selection of membrane sizes

Phenex PTFE (Teflon®) and Regenerated Cellulose (RC) membrane filters offer excellent chemical resistance to almost all laboratory solvents and samples. They do not introduce unwanted plasticizers or contaminants into the sample or mobile phase. Since Regenerated Cellulose (RC) is hydrophilic, filtering of aqueous solvents is simple. No prewetting is required. PTFE is hydrophobic and so is not recommended for the filtration of aqueous solutions.



Ordering Information

Filter Membranes

Part No.	Pore Size (µm)	Disc Diameter (mm)	Membrane Material	Unit	Price
Nylon					
AFO-0500	0.45	13	Nylon	100/pk	
AFO-0501	0.2	25	Nylon	100/pk	
AFO-0502	0.45	25	Nylon	100/pk	
AFO-0503	0.2	47	Nylon	100/pk	
AFO-0504	0.45	47	Nylon	100/pk	
AFO-0505	0.2	90	Nylon	5/pk	
AFO-0506	0.45	90	Nylon	5/pk	
PTFE					
AFO-0509	0.2	13	PTFE	100/pk	
AFO-0511	0.2	25	PTFE	100/pk	
AFO-0512	0.45	25	PTFE	100/pk	
AFO-0513	0.2	47	PTFE	100/pk	
AFO-0514	0.45	47	PTFE	100/pk	
Cellulose Acetate (CA)					
AFO-8434	0.45	13	CA	100/pk	
AFO-8435	0.2	13	CA	100/pk	
AFO-8436	0.45	25	CA	100/pk	
AFO-8437	0.2	25	CA	100/pk	
AFO-8438	0.45	47	CA	100/pk	
AFO-8439	0.2	47	CA	100/pk	
Regenerated Cellulose (RC)					
AFO-8440	0.45	13	RC	100/pk	
AFO-8441	0.2	13	RC	100/pk	
AFO-8442	0.2	25	RC	100/pk	
AFO-8443	0.45	47	RC	100/pk	
AFO-8444	0.2	47	RC	100/pk	
Polyethersulfone (PES)					
AFO-8445	0.2	25	PES	100/pk	
AFO-8446	0.45	25	PES	100/pk	
AFO-8447	0.2	47	PES	100/pk	
AFO-8448	0.45	47	PES	100/pk	
Cellulose Nitrate Ester (MCE)*					
AFO-8449	0.80	13	MCE	100/pk	
AFO-8450	0.45	13	MCE	100/pk	
AFO-8451	0.80	25	MCE	100/pk	
AFO-8452	0.45	25	MCE	100/pk	
AFO-8453	0.80	47	MCE	100/pk	
AFO-8454	0.45	47	MCE	100/pk	



*MCE = Mixed Cellulose Esters
Above filter membranes are non-sterile.
Phenex is a trademark of Phenomenex, Inc.



For a useful Membrane Selection Guide, see p. 4