

# FILTRATION APPARATUS

## Using Ace-Thred™ Technology

Using our famous Ace-Thred™ design, we are able to thread the filter funnel and filter flask together without the silicone stopper and troublesome clamping device. This design also eliminates leakage problems. If heating your solution is required, we also offer our Instatherm® version. This apparatus differs from the standard 47mm filter apparatus as it uses Ace Glass' proprietary Instatherm® technology to evenly heat the top funnel, thus keeping the viscous materials in a flowing liquid state.

### No clamp, no leakage!

Using Ace-Thred™ design, filter funnel and filter flask thread together *without* the silicone stopper and troublesome clamping device.

### Easy cleaning, removable frits!

Unit disassembles completely for easy cleaning. Uses removable frits of different porosities, from extra coarse to extra fine, instead of expensive, sealed-in frits.

### Better membrane utilization!

Accommodates the 47mm and 25mm membranes and uses 45mm of the 47mm grid vs. only 35-40mm in older designs.



## Complete Filtration Apparatus — 47mm

Description	Size	Order Code
1000mL Filter Flask w/Ace-Thred™, #7 Ace-Thred™ connector; Nylon Adapter w/#25 Ace-Thred™ bottom & #50 Ace-Thred™ top; Nylon ring; 47mm Porosity B (70-100 micron) fritted disc; 500mL graduated funnel w/#50 Ace-Thred™ bottom		3702-10
1000mL Filter Flask w/Ace-Thred™, #7 Ace-Thred™ connector; PTFE Adapter w/#25 Ace-Thred™ bottom & #50 Ace-Thred™ top; PTFE ring; 47mm Porosity C (25-50 micron) fritted disc; 500mL Instatherm® coated funnel w/temperature controller connecting cord		3704-10
<b>Replacement Parts and Accessories</b>		
Filter Flask w/#25 Ace-Thred™ & #7 connector	1000mL	3702-08
Nylon Adapter w/#25 Ace-Thred™ bottom & #50 Ace-Thred™ top		3702-06
Nylon Ring	47mm	3702-02
Funnel w/#50 Ace-Thred™ bottom, graduated	500mL	3702-04
Instatherm® Coated Funnel w/#50 Ace-Thred™ bottom, graduated (Temperature controller connecting cord included)	500mL	3704-01
PTFE Adapter w/#25 Ace-Thred™ bottom & #50 Ace-Thred™ top		3704-05
PTFE Ring	47mm	3704-06



## Complete Filtration Apparatus — 25mm

Description	Size	Order Code
500mL Filter Flask w/Ace-Thred™, #7 Ace-Thred™ connector; Nylon Adapter w/#25 Ace-Thred™ top & bottom; Nylon ring; 25mm Porosity B (70-100 micron) fritted disc; 100mL graduated funnel w/#25 Ace-Thred™ bottom		3700-10
<b>Replacement Parts and Accessories</b>		
Filter Flask w/#25 Ace-Thred™ & #7 connector	500mL	3700-08
Nylon Adapter w/#25 Ace-Thred™ both ends		3700-06
Nylon Ring	25mm	3700-01
Funnel w/#25 Ace-Thred™ bottom, graduated	100mL	3700-02
PTFE Adapter w/#25 Ace-Thred™ top & bottom		3700-05
PTFE Ring	25mm	3700-03

# ...Also Available in 75mm Sizes

## Filtration Apparatus



### Complete Flask Filtration Apparatus — 75mm

Description	Size	Order Code
2L Erlenmeyer Flask w/Ace-Thred™; #15 Ace-Thred™ connector; PTFE Adapter w/#50 Ace-Thred™ bottom & #80 Ace-Thred™ top; 75mm Porosity C (25-50 micron) fritted disc; 75mm PTFE ring; Ace-Thred™ Funnel with graduations	2L	3708-02
<b>Replacement Parts and Accessories</b>		
Funnel with graduations	1L	3708-10
Erlenmeyer Flask with #50 Ace-Thred™ and #15 connector	2L	3708-20
PTFE Flask Adapter #80 to #50 Ace-Thred™		3708-14
PTFE Ring	75mm	3708-16



### Complete Bottle Filtration Apparatus — 75mm

Description	Size	Order Code
5L Duran® Bottle w/GLS80 thread; #15 Ace-Thred™ connector; PTFE adapter w/#80 Ace-Thred™ to GLS80 thread; 75mm Porosity C (25-50 micron) fritted disc; 75mm PTFE ring; Ace-Thred™ Funnel with graduations	5L	3709-05
<b>Replacement Parts and Accessories</b>		
Funnel with graduations	1L	3708-10
Duran Bottle with GLS80 thread and #15 connector	5L	3709-18
PTFE Bottle Adapter #80 Ace-Thred™ to GLS80		3709-16
PTFE Ring	75mm	3708-16



### Fritted Glass Discs

Disc O.D.	Porosity A (145-174 microns)	Porosity B (70-100 microns)	Porosity C (25-50 microns)
	Order Code	Order Code	Order Code
25mm	3703-23	3703-25	3703-29
47mm	3703-45	3703-47	3703-49
75mm	—	—	3703-75



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