




◆ SSI Products, LLC

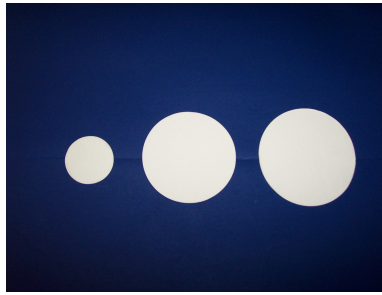
Product Catalog



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Oil & Grease Filters & Prefilters



Our Oil & Grease Filters are designed to provide high recoveries and low blank values. We have the highest performance and lowest cost in the industry. They work in a wide variety of industry standard vacuum manifolds with standard glassware and in automated equipment. They Meet requirements for EPA Method 1664A and 1664B.

Oil & Grease Filters			
Part #	Size	Packaging	
1047TL	47mm	20 pack	50 pack
1090TL	90mm	20 pack	50 pack
10100TL	100mm	20 pack	50 pack

Oil & Grease Prefilters			
Part #	Size	Packaging	
1047PF	47mm	20 pack	100 pack
1090PF	90mm	20 pack	100 pack
10100PF	100mm	20 pack	100 pack

Oil & Grease QuickFlow™ Prefilter			
Part #	Size	Packaging	
1047QF	47mm	20 pack	100 pack
1090QF	90mm	20 pack	100 pack
10100QF	100mm	20 pack	100 pack

Oil & Grease Method 1664 Snip & Pour Standards

Each snip contains 10mL of Method 1664 required standard of 0.2% or 0.4% HEM individually packaged for stability and purity. Teflon tube packaging assures complete release of certified solution assuring accurate QA standard preparation. Packaged 20 snips per box.



Method 1664 Snip & Pour Standards		
Part #	Type	Packaging
QC-003LSnip	0.2%	20 pack
QC-003Snip	0.4%	20 pack

Binderless Glass Microfiber Filters



SSI Products Glass Microfiber Filters are available in a wide range of flow rates and nominal pore size. These Borosilicate Binderless Glass Fiber filters are typically used for testing Total Suspended Solids and Volatile Suspended Solids. The Whatman 934-AH® and TSS/FVS are approved for use in Total Suspended Solids (TSS) and Fixed Volatile Suspended Solids (FVS) because of unique high heat tolerance and correct retention as specified in ASTM and EPA methods.

Characteristics of Glass Microfiber Media

- *Fastest Flow Rate*
- *High Load Capacity*
- *Retention of particles to sub-micron size*
- *Temperature range upto 550°C*
- *Use in liquid and gaseous filtration*
- *Inert fiber composition*
- *Free of binder or additives*

Binderless Glass Microfiber Filters					
Grade	Partical Retention (µm)	Filtration Speed (sec)	Thickness (mm)	Basis Weight (g/m²)	Packaging
A	1.60	12	0.30	55	100 pack
B	1.00	30	0.65	140	100 pack
C	1.20	25	0.28	50	100 pack
D	2.70	5	0.60	120	100 pack
E	1.30	12	0.35	70	100 pack
F	0.70	80	0.40	80	100 pack
AE	1.00	15	0.33	60	100 pack
Quartz A	2.20	< 5	0.47	85	100 pack
TSS/FVS	1.50	47	0.38	55	100 pack
934-AH®	1.50	47	0.43	64	100 pack

Standard Diameter Sizes Offered		
21mm	42.5mm	110mm
24mm	47mm	125mm
25mm	55mm	150mm
35mm	70mm	
37mm	90mm	

Binderless Glass Microfiber Filter Description

Grade A- Fine porosity, fast flow rate, with a 1.5µm size particle retention. Frequently used in the filtration of precipitated proteins and cells. Ideally suited for use as a filter for radioimmuno assay of weak beta emitters by scintillation counting and gravimetric determination of airborne particulate. Binderless borosilicate glass microfiber.

Grade B Fine porosity, medium to fast flow rate, with a 0.9µm size particle retention. Ideally suited for the collection of biochemical polymers that have been precipitated by denaturation. This material is twice as thick as Grade A with a higher loading capacity. May also be used as a particulate filter for gasses or as a prefilter. Binderless borosilicate glass microfiber.

Grade C Fine porosity, fast flow rate, with a 1.2µm size particle retention. Frequently used for RIA procedures and harvesting lymphocytes. Binderless borosilicate glass microfiber.

Grade D - Coarse porosity, fast flow rate, with a 2.6µm size particle retention. Well suited for higher volume and repetitive laboratory filtering. Also ideally used as a general pre-filter to extend final filter life. Binderless borosilicate glass microfiber.

Grade E - Fine porosity, fast flow rate, with a 1.3µm size particle retention. This material is an economical media for suspended particle analysis in water, cell harvesting, pre-filtration and air monitoring applications. Binderless borosilicate glass microfiber.

Grade F - Fine porosity, medium flow rate, with a 0.7µm size particle retention. Frequently used with Grade D to filter diluted aqueous solutions containing strong oxidizing, acidic, or alkaline components prior to laser spectroscopy. May also be used for TCLP analysis and collecting extremely fine precipitated proteins, including immunoglobulins. Binderless borosilicate glass microfiber.

Grade A-E - Fine porosity and fast flow rate, with a 1.0µm size particle retention. Binderless borosilicate glass microfiber. DOP efficiency is 99.98%. Primarily used in suspended solids and air monitoring.

Quartz A - Fine porosity with a 99.999% efficiency in air filtration for the retention of 0.6µm particles in air at a flow rate of 5cm/second. Primarily used in air pollution monitoring, atomic absorption spectroscopy, flame emission spectrometry and other applications where an extremely critical analysis is needed. Effective temperature range of up to 1000 °C. Binderless quartz micro fiber.

Grade TSS/FVS - Fine porosity, fast flow rate, with a 1.5µm size particle retention This binder free material is manufactured using a proprietary glass chemistry which permits usage in high heat applications beyond typical borosilicate glass blends. Ideally suited for determination of Total Suspended Solids and Volatile Suspended Solids Ignited at 550°C" method 2540E. Low fiber shedding improves quality assurance of test results and low percentage of weight loss when used in gravimetric tests. High loading capacity is an attribute of the high surface area and complex pore structure. Material is also compliant with the requirements of standard method 2540C & 2540D as well as EPA Method 160.2 for establishing water quality in suspended solids content. Total Suspended Solids (TSS) are defined as those which are retained by a "Glass-fiber filter disk without organic binder". Widely used in air pollution monitoring, high temperature flue gas and filtration of high temperature solvents.

934-AH® - Fine porosity, fast flow rate, with a 1.5µm size particle retention. This material is the standard for suspended solids content and related measurements (Standard Methods 2540D and EPA Method 160.2). Also widely used in cell harvesting applications and RIA scintillation counting. Binderless borosilicate glass microfiber allows use up to 550°C.

The Trademark 934-AH® is owned by Whatman Inc. and used under license.

AccuDisk™ Filters

AccuDisk™ filters are pre-washed, dried and weighed as per SM2540 and are used for Suspended Solids Testing.

Our filters are washed, rinsed under vacuum with three 20mL aliquots of deionized water, which removes any loose fibers that could affect the filter's constant weight.

TSS Filters are dried at 105°C in a laboratory oven then cooled and desiccated for 24 hours.

FVS Filters are dried at 105°C in a laboratory oven then placed in a Muffle Furnace at 550°C for at least 15 minutes to remove any volatile components and then cooled and desiccated for 24 hours.

The filters are weighed on an electronic analytical balance to the nearest 0.1mg. The AccuDisk™ filters are supplied in individual aluminum pans labeled with a sample number and the weight of the filter. They are packaged 100 per box.



AccuDisk™ – TSS Filters		
Part #	Size	Packaging
425TSS-AD	425mm	100 pack
47TSS-AD	47mm	100 pack
55TSS-AD	55mm	100 pack
70TSS-AD	70mm	100 pack
90TSS-AD	90mm	100 pack

AccuDisk™ – FVS Filters		
Part #	Size	Packaging
425FVS-AD	425mm	100 pack
47FVS-AD	47mm	100 pack
55FVS-AD	55mm	100 pack
70FVS-AD	70mm	100 pack
90FVS-AD	90mm	100 pack

TCLP Filters



Grade TCLP Products are designed to meet the EPA requirements for Toxicity Characteristics Leaching Procedure. The TCLP Filter products are Binderless Borosilicate Glass Fiber Filters.

Acid Washed Grade - Have a particle retention rating of 0.6 μm to 0.8 μm . They are Acid washed and rinsed using deionized water to conform to EPA method 1311.

Standard Grade F - Fine porosity, medium flow rate, with a 0.7 μm size particle retention. Use with diluted aqueous solutions containing strong oxidizing, acidic, or alkaline components prior to laser spectroscopy.

Acid Washed Grade		
Part #	Size	Packaging
TCLP - 1	47mm	100 pack
TCLP - 2	90mm	50 pack
TCLP - 3	110mm	50 pack
TCLP - 4	125mm	50 pack
TCLP - 5	142mm	50 pack
TCLP - 6	150mm	50 pack

Standard Grade F		
Part #	Size	Packaging
F21	21mm	100 pack
F24	24mm	100 pack
F25	25mm	100 pack
F35	35mm	100 pack
F37	37mm	100 pack
F425	425mm	100 pack
F47	47mm	100 pack
F55	55mm	100 pack
F70	70mm	100 pack
F90	90mm	100 pack
F110	110mm	100 pack
F125	125mm	100 pack
F142	142mm	100 pack
F150	150mm	100 pack

Qualitative Cellulose Filters



Qualitative cellulose filter papers perform separation by entrapping particulate within the random matrix of cellulose fibers within the depth of the media. This media is widely used in methods requiring the determination and identification of particulate in both liquids and gas. Also this natural fiber filter paper is commonly used to clarify liquid samples.

Qualitative Cellulose Filters		
Filter Media	Retention	Flow
CFP1	11µm	Medium
CFP2	8µm	Medium - Slow
CFP3	6µm	Slow
CFP4	20-26µm	Fast

Standard Diameter Sizes Offered	
32mm	110mm
425mm	125mm
55mm	150mm
70mm	185mm
90mm	

CFP1: Very widely used filter media demonstrating a retention of approximately 11µm and medium flow rate. Used in a broad range of laboratory and environmental applications, this media is ideally suited in separating lead sulfate, calcium carbonate and calcium oxalate precipitates. This media is the standard for agricultural procedures such as soil and seed sample testing. Also, it is commonly used as a separation media in the food and beverage industry to extract liquids from solid samples. Due to the consistent bright white color of this media, it is ideal for photometric stain intensity measurement of air samples. The media can also be impregnated with reagents for use in quantifying optical reflectance in gas detection procedures.

CFP2: A More retentive and absorbent media than CFP1, with approximately 8µm and a medium to slow flow rate. This media is ideal for general filtration and absorbent conveyance. Commonly used in plant growth trials and monitoring pre-isolated contaminants in air and gas.

CFP3: Virtually identical to CFP1, but twice as thick resulting in a significantly slower flow rate with a retention of approximately 6µm. This media does not clog as easily as the other qualitative cellulose types, which allows for much higher sample volume usage. This media also demonstrates very high levels of absorbency, permitting the media to be used as a sample conveyance substrate.

CFP4: The fastest flow rate demonstrated by any of the qualitative cellulose filter media's resulting in a low retention rate of approximately 20-26µm. Very commonly used as the first media in a multi-stage filtration process. Ideally suited for use in organic extractions and biological fluid separation processes. Often specified in air monitoring applications where the entrapment of fine particulate is not required.

Quantitative Cellulose Filters



Quantitative cellulose filter papers are primarily used in gravimetric analysis procedures and perform separations by entrapping particulate within the random matrix of cellulose fibers within the depth of the media. This media family is also widely used in methods to prepare samples for further testing using many types of instrumentation. These ashless filter papers are manufactured from refined pulp and linters. They are acid washed and have an extremely low ash content of <0.01%.

Quantitative Cellulose Filters		
Filter Media	Retention	Flow
CFP40	8 - 10 μ m	Medium
CFP41	19 - 26 μ m	Fast
CFP42	2 - 3 μ m	Slow
CFP43	5-17 μ m	Medium
CFP44	1.5 – 3.5 μ m	Slow

Standard Diameter Sizes Offered	
425mm	110mm
47mm	125mm
55mm	150mm
70mm	185mm
90mm	

CFP40: Demonstrating medium retention and flow rates, this media is widely used in many general quantitative procedures in both liquid and gas. These procedures include: standard environmental test procedures such as soil sample analysis & the collection of trace elements and radionuclides in air samples. Also used in liquid food tests for determination of sediments, primary analysis of cements and slurries and sample preparation prior to spectrophotometry.

CFP41: Very fast flow rates and loose retention characteristics make this grade ideal for initial separation of gelatinous precipitates.

CFP42: This media demonstrates an extremely high retention rate for a cellulose filter media. Its uniquely high retention rate makes it ideal for any gravimetric analysis of very fine precipitates.

CFP43: Positioned as an intermediate within the quantitative cellulose family, this grade demonstrates medium retention and flow rates. It is ideal for gravimetric analysis of soil samples, surface water testing procedures and used in air sample monitoring equipment.

CFP44: Very similar to CFP42 but demonstrating a slightly wider retention rate within a similar flow rate. Typically used in the analysis of samples requiring separation of very fine precipitates.

Weighing Dishes/Pans

Aluminum & Polystyrene



Smoothed Walled Dishes



Round Crinkle Dishes



Weighing/Drying Pans



General Purpose Dishes



Shallow Weighing Dishes



Hexagonal Weighing Dishes



Pour-Boat Weighing Dishes



Square Weighing Dishes



Weighing Vessels

See the following section for a full description of our weighing dishes/pans

Aluminum Smooth Walled Weighing Dishes



Smooth-sided, flat bottom, multipurpose "utility" dish. Oil-free and non-coated, no tab, ideal for storage, dispensing, general purpose sampling and testing. Dish contour facilitates stacking and dispensing. *Suitable for use with automated evaporators.*

Aluminum Smooth Walled Weighing Dishes				
Part #	Size	Weight	Capacity	Packaging
SSI - 70S - 100	73mm Dia x 11/16" Depth	2.5gr	80ml	100pk or 1000cs
SSI - 140S- 100	103mm Dia x 3/4" Depth	7.0gr	150ml	100pk or 1000cs

Aluminum Round Dishes with Tab



Multi-Use: Evaporating dish, weighing dish, parts container, dust cover and more.

Clean: No oil residue, no vinyl coating to create contamination problems for the user.

Strong: Crimped sides for rigidity, sturdy gauge for heavy duty use.

Precision Made: Large tab for sample numbers, flat bottom to improve sample handling, sides are angled for easy separation.

Aluminum Round Weighing Dishes with Tab				
Part #	Size	Weight	Capacity	Packaging
SSI - 28 - 500	28mm Dia x 3/8" Depth	0.3gr	8ml	500cs
SSI - 43- 100	43mm Dia x 1/2" Depth	1.0gr	20ml	100pk or 1000cs
SSI - 57- 100	57mm Dia x 5/8" Depth	1.3gr	60ml	100pk or 1000cs
SSI - 57- 144	57mm Dia x 5/8" Depth	1.0gr	60ml	144pk or 14400cs
SSI - 70- 100	70mm Dia x 5/8" Depth	2.0gr	80ml	100pk or 1000cs

Aluminum Weighing/Drying Pans



SSI-123-50 - Weighing Pan, oil-free, ideal for general purpose weighing and dispensing. Compatible with both open and enclosed balances with smaller heads (70-95mm), weighs approximately 1.2 grams.

SSI-126-50 - Weighing/Drying Pan, oil-free, ideal for general purpose weighing, dispensing, storage and drying. Compatible with Mettler, Sartorius, AND, Denver Inst., etc. excellent weighing accessory.

SSI-125-100 - Flat-Top Balance Pan. Compatible with O'haus Balances and Moisture Analyzers or any Flat-Top balance.

SSI-11-25 - Drying Pan for solids (compatible with Cenco Moisture Analyzer).

SSI-12-25 - Drying Pan for liquids (compatible with Cenco Moisture Analyzer).

Aluminum Weighing and Drying Pans			
Part #	Size	Weight	Packaging
SSI - 123 - 50	70mm Dia (2 1/2") x 3/8" Depth	1.2gr	50pk or 500cs
SSI - 126- 50	102mm Dia (4") x 5/16" Depth	2.5gr	50pk or 500cs
SSI - 125 - 100	127mm Dia (5") x 3/16" Depth	3.3gr	100pk or 1000cs
SSI - 11 - 25	110mm Dia (4 1/2") x 3/8" Depth	3.7gr	25pk or 250cs
SSI - 12 - 25	110mm Dia (4 1/2") x 5/16" Depth	4.4gr	25pk or 250cs

General Purpose Aluminum Weighing Dishes



Ideal for sampling, weighing, dispensing, storage, food processing, evaporating, or general laboratory use. All pans have a flanged edge with curled lip and are contaminate and oil-free. These utility dishes are stackable and made from light gauge aluminum.

General Purpose Aluminum Weighing Dishes				
Part #	Size	Weight	Capacity	Packaging
SSI - 44 - 100	44mm id x 51mm od x 1/2" d	0.6gr	20ml	100pk or 1000cs
SSI - 63- 100	63mm id x 71mm od x 11/16" d	1.6gr	70ml	100pk or 1200cs
SSI - 75- 100	62mm id x 70mm od x 1-13/16" d	1.8gr	75ml	100pk or 1000cs
SSI - 200 50	110mm id x 127mm od x 1-1/8" d	3.8gr	200ml	50pk
SSI - 500- 50	181mm id x 203mm od x 1" d	9.5gr	180ml	50pk

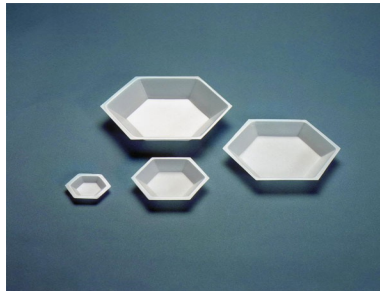
Shallow Polystyrene Weighing Dishes (Anti Static)



Unique design has a wide, flat bottom to resist tipping. Polystyrene; biologically inert; resistant to most dilute acids, aqueous solutions, and alcohol bases. Flexible design for measured pouring and dispensing.

General Purpose Aluminum Weighing Dishes				
Part #	Size	Dimension	Capacity	Packaging
SWD-316	Medium	3 ½ x 3 ½ x 1/4d	50ml	500pk

Hexagonal Polystyrene Weighing Dishes (Anti Static)



Translucent, anti-static, polystyrene; flexes easily for weighing, dispensing, or pouring liquids or solids. Unique hexagonal design for non-slip handling and pouring. Biologically inert; resistant to most dilute acids, aqueous solutions, and alcohol bases. Flat bottoms resist tipping. Hundreds of sampling and weighing applications.

Hexagonal Polystyrene Weighing Dishes				
Part #	Size	Dimension	Capacity	Packaging
SWB-175	Small	1 3/4 od x 3/8d	20ml	500pk or 4000cs
SWB-300	Medium	3 od x 3/4d	50ml	500pk
SWB-475	Large	4 3/4 od x 7/8d	200ml	500pk
SWB-550	X- Large	5 1/2 od x 1 1/4d	350ml	500pk

Pour Boat Polystyrene Weighing Dishes With Pour Spout (Anti Static)



New design polystyrene weighing dish facilitates pouring and dispensing. No need to flex dish to dispense liquids or solids; 20-30% thicker material for strength, stability, handling ease and safety. New weigh dishes have a flat bottom and will withstand 200°F. They are disposable, smooth, uniform and inexpensive. Available in three convenient sizes for any sample handling application.

Hexagonal Polystyrene Weighing Dishes				
Part #	Size	Dimension	Capacity	Packaging
SPB-316	Small	2 ¼ l x 1 ¾ w x 5/16 d	20ml	250pk or 2000cs
SPB-315	Medium	5 3/8 l x 3 ½ w x 1 d	140ml	250pk
SPB-317	Large	7 ½ l x 4 ¾ w x 1 d	270ml	250pk

Square Polystyrene Weighing Dishes (Anti Static)



General purpose sample holders. Translucent, rubberized polystyrene withstands temperatures to 180 F, flexes for easy pouring. Biologically inert; resistant to dilute acids, aqueous solutions, alcohols, bases. For use with balances, microwave moisture analyzers, hundreds of other sample handling applications. Flat bottom resists tipping. Contoured sides permit no-slip handling. Available in 100 pks for smaller sampling applications.

Anti-static material reduces foreign partical contamination.

White Translucent - for traditional applications.

Blue - contrasts for white powders and solids, increases sample visibility, improves measuring accuracy.

Square Polystyrene Weighing Dishes			
Part #	Color	Dimension	Packaging
SWB-158	Natural	1 5/8 top id x 5/16 d	4000cs
SWB-158-100	Natural	1 5/8 top id x 5/16 d	100pk
SWB-158-B	Blue	1 5/8 top id x 5/16 d	4000cs
SWB-158-B100	Blue	1 5/8 top id x 5/16 d	100pk
SWB-316	Natural	3 1/2 top id x 1 d	500cs
SWB-316-100	Natural	3 1/2 top id x 1 d	100pk
SWB-316-B	Blue	3 1/2 top id x 1 d	500cs
SWB-316-B100	Blue	3 1/2 top id x 1 d	100pk
SWB-512	Natural	5 1/2 top id x 7/8 d	500cs
SWB-512-100	Natural	5 1/2 top id x 7/8 d	100pk
SWB-512-B	Blue	5 1/2 top id x 7/8 d	500cs
SWB-512-B100	Blue	5 1/2 top id x 7/8 d	100pk

Polystyrene Weighing Vessels (Anti Static)



Excellent for weighing static-affected materials. Translucent polystyrene flexes easily for weighing, dispensing, or pouring liquids or solids. Unique design facilitates non-slip dilute acids, aqueous solutions, and alcohol bases. Flat bottoms resist tipping. Three convenient sizes for any sampling or weighing application.

Polystyrene Weighing Vessels				
Part #	Size	Dimension	Capacity	Packaging
SWV-212	Small	2 1/8 l x 1 1/2 w x 1/2 d	20ml	500pk or 4000cs
SWV-213	Medium	5 1/4 l x 3 1/4 w x 1 d	120ml	500pk
SWV-214	Large	7 l x 4 3/4 w x 1 d	240ml	500pk

Weighing Paper Products



Weighing Paper Products

- Great for powdered samples
- Nitrogen Free
- Smooth, non-absorbing hardened surface
- Folds and creases easily
- Easy to use and store tray box

Weighing Papers			
Part #	Type	Size	Packaging
33S	Nitrogen Free	Squares 3 x 3	500pk
44S	Nitrogen Free	Squares 4 x 4	500pk
66S	Nitrogen Free	Squares 6 x 6	500pk

Polystyrene Beakers (Anti Static)



Eight sizes withstand indirect heat to 200°F; the 5, 10, 20 & 50 ml sizes are excellent for use with atomic absorption, flame photometers and blood cell counters. Excellent chemical resistance to dilute or weak acids, aqueous solutions, alcohols and bases. Four-way pour spouts.

Polystyrene Beakers			
Part #	Size	Dimensions	Packaging
SB5-1000	5ml	1 5/16 top id x 3/4 bot id x 3/4 h	1000cs
SB10-1000	10ml	1 7/16 top id x 7/8 bot id x 1 h	1000cs
SB20-500	20ml	1 3/4 top id x 1 1/8 bot id x 1 1/4 h	500cs
SB50-500	50ml	2 3/8 top id x 1 3/8 bot id x 2 h	500cs
SB150-100	150ml	3 5/16 top id x 2 1/8 bot id x 2 1/2 h	100cs
SB250-100	250ml	3 5/8 top id x 2 9/16 bot id x 3 h	100cs
SB800-100	800ml	5 1/8 top id x 4 bot id x 4 1/8 h	100cs
SB1000-100	1000ml	5 3/8 top id x 4 bot id x 4 5/8 h	100cs

Customer Service & Orders

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