



ProWeigh[®] and ProWeigh[®] Double Filters

Reduce testing times by up to 50% with less prep work.

Proweigh filters remove the need for time consuming washing, drying, and preweighing filters steps.

- Filter ID and weights are printed on each individual pan
- Filters are laser cut to prevent costly reruns and unreliable results from loose filter material

Each filter is washed, dried, and weighed robotically to the nearest 0.1 mg, then transferred to an aluminum pan that is printed with a barcode and the filter weight. These preweighed pans eliminate several preparation steps, letting you move directly to sample filtration and reduce testing times by up to 50%. Following filtration, simply dry and weigh the final product. ProWeigh filters are prepared and approved for use in Standard Methods.



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ProWeigh Filters for Volatiles

Designed specifically for the determination of fixed or volatile solids. After rinsing and drying, filters are then heated to 550°C in a muffle furnace to drive off any volatile materials. They are then desiccated, weighed to 0.1 mg, and inspected for quality and accuracy.

ProWeigh Double Filters

Weighed twice to ensure accuracy. After the initial weighing and labeling, the filters are redried and reweighed to ensure a stable weight.

Each filter is supplied in an aluminum dish. Dishes are stacked in sleeves of 25 and packaged in boxes of 100.

Eliminate the need to prepare filters before use—
it's already done for you!



1. Each ProWeigh filter is washed under vacuum three times with 20 mL aliquots of deionized water.



2. Filter drying in horizontal flow mechanical ovens ensures uniform drying with no dead spots.



3. Cooling in a desiccator provides moisture-free, stable filter weights.



4. All ProWeigh filters are weighed on certified electronic analytical balances.

Pore size (µm)	Filter size	Catalog number	Qty/pk
ProWeigh filters for total suspended solids (TSS)			
1.5	32 mm	F93432MM	100
1.5	42 mm	F93442MM	100
1.5	47 mm	F93447MM	100
1.5	55 mm	F93455MM	100
1.5	70 mm	F93470MM	100
1.5	76 mm	F93476MM	100
1.5	90 mm	F93490MM	100
1.5	110 mm	F934110MM	100
ProWeigh filters for volatiles			
1.5	42 mm	F93442VOL	100
1.5	47 mm	F93447VOL	100
1.5	55 mm	F93455VOL	100
1.5	70 mm	F93470VOL	100
1.5	76 mm	F93476VOL	100
1.5	90 mm	F93490VOL	100
1.5	110 mm	F934110VOL	100
ProWeigh Double filters for total suspended solids (TSS)			
1.5	47 mm	F93447MM-X	100
1.5	76 mm	F93476MM-X	100
1.5	90 mm	F93490MM-X	100
ProWeigh Double filters for volatiles			
1.5	47 mm	F93447VOL-X	100

Standard Methods Approved for (Since 1997):

Parameter	EPA Method	Standard Method
Total Dissolved Solids	160.1	2540C
Total Suspended Solids	160.2	2540D
Volatile Suspended Solids	160.4	2540E

Wait! There's More...

Now you can access and download complete data for all ProWeigh filters! Data includes Box ID, ID, Weight 1, Weight 2, and Lot.

environmentalexpress.com/ee/s/filterdata

Environmental Express® Borosilicate Glass Fiber Filters

Ideal for solids testing per Standard Method 2540

Each borosilicate glass filter has been individually washed with reagent-grade water and then dried to 105°C for Total or 550°C for Volatile Suspended Solids. Weights have not been determined for these filters.



Description	Pore size	Filter size	Catalog number	Qty/pk
Washed and dried filters for total suspended solids (TSS)	1.5 µm	24 mm	F92424MM	100
		34 mm	F92434MM	100
		43 mm	F92443MM	100
		47 mm	F92447MM	100
		55 mm	F92455MM	100
		70 mm	F92470MM	100
		90 mm	F92490MM	100
Washed and dried filters for volatile suspended solids (VSS)	1.5 µm	110 mm	F924110MM	100
		125 mm	F924125MM	100
		47 mm	F92447VOL	100
		90 mm	F92490VOL	100
		110 mm	F924110VOL	100

Solids Standards

Perform solids testing affordably

- Universal solids standards (USS) let you create lab control samples easily and inexpensively
- Total dissolved solids (TDS) standard is ideal for your batch level QA/QC needs
- Use the ready-to-use solids standard for determination of TSS, TDS, and TS
- Reduce the number of standards needed with the universal wastewater standard



Description	Quantity	Catalog number
Universal solid standard (USS), low range, 40 to 90 mg	10 bottles	F95005
USS, high range, 220 to 330 mg	10 bottles	F95005H
USS, ultra-high range, 1500 to 2100 mg	10 bottles	F95005UH
Total dissolved solids (TDS) standard, 100 to 200 mg	10 bottles	F95010
Solids standard, ready to use	4 x 1-L bottles	NSIQCI-055
Universal wastewater standard	4 x 1-L bottles	NSIQCI-084

Filter Holders

Easily filter solids

- Accommodate 47-mm filters and 300 mL of liquid

Polysulfone Filter Holder is unbreakable and features a recessed filter support to prevent the filter from twisting or tearing when secured. Autoclavable.

Glass Filter Holder has sintered glass support and a graduated funnel. Top and bottom sections are clamped together with anodized aluminum clamp.



D0047P

D0047G

Description	Diameter	Capacity	Catalog number
Polysulfone funnel and base	47 mm	300 mL	D0047P
Glass holder, base, and clamp	47 mm	300 mL	D0047G

Vacuum Filtration Manifolds

Test multiple samples simultaneously

- Maximize lab space with lightweight design
- Control vacuum for each filter holder independently with 2-way valve
- Accommodate all vacuum filtering devices that accept a No. 8 stopper
- Made of acid-resistant PVC



Material	Valve type	Number of branches	Dimensions (L x W x H)	Catalog number
PVC	2-way	3	17¾" x 4¾" x 7"	M3023P
PVC	2-way	6	34½" x 4¾" x 7"	M3026P

Accessories

G3050 Gast DOA-P704-AA High-Capacity Vacuum Pump, with Gauge, Regulator, and Relief; 1.1 cfm, 25.5" Hg, 115 VAC

G3050-240 Gast DOA-P504-BN High-Capacity Vacuum Pump, With Gauge, Regulator, and Relief; 1.0 cfm, 24" Hg, 220 VAC

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