

# ProWeigh® Filters for Suspended Solids (TSS and VSS)

Robotically weighed ProWeigh® filters for Total and Volatile Suspended Solids improve accuracy and increase productivity in your laboratory.

*ProWeigh Filters from Environmental Express have been listed by name in Standard Methods 2540 since 1997.*

Laboratories have been using ProWeigh Filters since 1990 to reduce labor costs, improve accuracy and provide quicker reporting times. These robotically weighed filters from Environmental Express are a convenient and accurate way to perform Total and Volatile Suspended Solids.

ProWeighs are ready-to-use filters for TSS and VSS that eliminate all hands-on filter preparation. All preparation steps including filter washing, drying, desiccating and weighing are already done for you. With ProWeighs, all you have to do is filter your sample, dry it and take the final weight.

### **ProWeigh filters are Standard Methods approved.**

All ProWeigh filters are prepared according to *Standard Methods* requirements. These 1.5µm porosity borosilicate glass fiber filters are vacuum rinsed three times with 20mL aliquots of reagent-grade water to remove loose fibers, then dried at 105°C (or 550°C for Volatiles), cooled and desiccated for 24 hours.

### **Filters are robotically weighed and ready to use.**

After preparation, ProWeigh filters are weighed robotically to the nearest 0.1mg. After weighing, each filter is transferred to an aluminum dish conveniently labeled with the final filter weight and a filter ID number. The dishes are stacked in sleeves of 25 and packaged in boxes of 100.

### **Quality control ensures accuracy and filter integrity.**

Filters are weighed on electronic analytical balances that are calibrated hourly and routinely certified by a registered third party. Calibration is further verified by ASTM Class 1 weights. A copy of the balance certification is included in each box of ProWeigh filters.

Filters are check-weighed prior to shipment for weight, accuracy and stability. Our quality control specifications demand a tighter tolerance than the ±0.5mg required by *Standard Methods*. Filters are visually inspected at the cutting, washing and drying steps to ensure the absence of holes or debris.

### **Each pan is labeled with the final weight in barcode format.**

Each ProWeigh filter is supplied in an aluminum pan that has the weight of the filter and a filter ID number printed on it. This data is presented in print as well as in 128 barcode format.



DoubleWeigh filters and Volatile Suspended Solids Filters are also available.

### **ProWeighs for Volatiles are heated to 550°.**

ProWeigh filters are also available for performing fixed or volatile solids. After the vacuum rinsing and drying steps, these ProWeighs are heated to 550°C in a muffle furnace to drive off any volatile materials. Next, they are desiccated, weighed to 0.1mg and quality checked for accuracy.

### **DoubleWeigh™ Filters are robotically weighed twice to ensure accuracy.**

This style of ProWeigh filter is 100% quality tested to double guarantee their weight stability. After weighing and labeling, DoubleWeigh filters are redried and reweighed to ensure a stable weight.

<b>Standard Methods Approved (Since 1997) For:</b>		
<i>Parameter</i>	<i>EPA Method</i>	<i>Standard Method</i>
Total Dissolved Solids	160.1	2540C
Total Suspended Solids	160.2	2540D
Volatile Suspended Solids	160.4	2540E

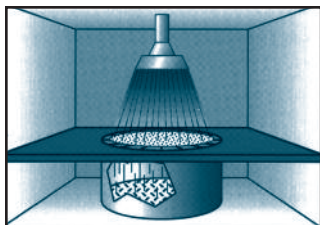


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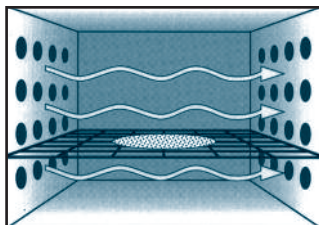
Call 800.745.8218 or 843.576.1147 ■ [www.environmentalexpress.com](http://www.environmentalexpress.com)

# ProWeigh® Filters for Suspended Solids (TSS and VSS)

With ProWeigh® Filters All Preparation Steps Are Done For You!



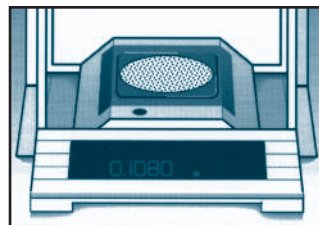
Each ProWeigh filter is washed under vacuum three times with 20mL aliquots of deionized water.



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



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



All ProWeigh filters are weighed on certified electronic analytical balances.

ProWeigh Filters are available in a variety of sizes. As per Method 2540, all ProWeigh and DoubleWeigh filters have a reproducibility of  $\pm 0.2\text{mg}$  and are accurate to  $\pm 0.4\text{mg}$ .

To request a FREE trial pack, visit our website or call our Customer Service Department with your specifications.

Description	Filter Size	Catalog #
ProWeigh, Pack of 100	42mm	F93442MM
ProWeigh for Volatiles, Pack of 100	42mm	F93442VOL
ProWeigh, Pack of 100	47mm	F93447MM
DoubleWeigh, Pack of 100	47mm	F93447MM-X
ProWeigh for Volatiles, Pack of 100	47mm	F93447VOL
ProWeigh, Pack of 100	55mm	F93455MM
ProWeigh for Volatiles, Pack of 100	55mm	F93455VOL
ProWeigh, Pack of 100	70mm	F93470MM
ProWeigh, Pack of 100	76mm	F93476MM
DoubleWeigh, Pack of 100	76mm	F93476MM-X
ProWeigh for Volatiles, Pack of 100	76mm	F93476VOL
ProWeigh, Pack of 100	90mm	F93490MM
DoubleWeigh, Pack of 100	90mm	F93490MM-X
ProWeigh for Volatiles, Pack of 100	90mm	F93490VOL
ProWeigh, Pack of 100	110mm	F934110MM
ProWeigh for Volatiles, Pack of 100	110mm	F934110VOL
ProWeigh PES Filters, 0.45 $\mu\text{m}$ , Pack of 100	47mm	F96047PES

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