

StepSaver™ - New and Improved!

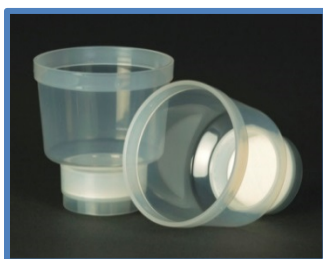


Oil & Grease Extractions Made Easy

- Compact, single-place station with a small footprint. Dimensions: 10.5"L x 7"W
- Single stations can be daisy-chained together to run multiple samples at once for a faster sample throughput
- Unit is made of durable PVC and plastic materials
- Meets EPA Method 1664 requirements for Oil and Grease extractions
- Uses disposable filter funnels* assembled with the extraction disk so clean-up is quick and easy eliminating the risk of cross-contamination
**Options for Classic StepSaver™ glass funnels as well*
- Two separate chambers for extraction and elution help keep water out of your extract
- Flexibility to choose your evaporation vessel; unit can accommodate pre-weighed StableWeigh™ vessels, a pre-weighed aluminum pan, or a pre-weighed Classic StepSaver™ flask

Disposable PP Funnels

- No need to clean—disposable polypropylene funnels
- Funnels feature a double-layer extraction disk, eliminating the need for a prefilter
- UltraPrep funnels are preactivated and ready to use



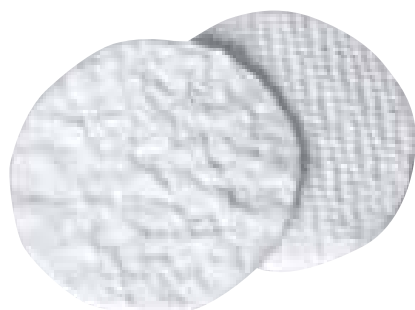
Catalog Number	Description
G6000	StepSaver Complete System - Disposable Funnel
G6047	StepSaver Complete System – 47mm Glass Funnel
G6090	StepSaver Complete System – 90mm Glass Funnel

Other Consumables

- Disposable Sodium Sulfate Cartridges
- StableWeigh pre-weighed vessels
- Aluminum weigh pans



Environmental Express® Oil and Grease Extraction Disks



UltraLow

UltraLow® C-18 Extraction Disks

- Use 30% less hexane
- Get same extraction capacity as UltraFlow® disks (above) without the built-in prefilter
- May not be suitable for samples containing large amounts of fats, silts, colloidal substances, or suspended material

Filter size	Catalog number	Qty/pk
47 mm	G5347MM	20
90 mm	G5390MM	15
100 mm	G5300MM	15

FG65047MM Glass fiber prefilter, 47 mm. Pack of 50

FG65090MM Glass fiber prefilter, 90 mm. Pack of 50



UltraFlow

UltraFlow® C-18 Extraction Disks

- Improve your recovery
- Two layers allow for HEM fractions to be attracted to fine glass fiber bottom layer, while coarse glass fiber top layer eliminates the need for a prefilter
- Follow EPA 1664 for testing



Filter size	Catalog number	Qty/pk
47 mm	G5047MM	20
90 mm	G5090MM	15
100 mm	G5100MM	15

G5127 UltraFlow disposable polypropylene funnel; 47-mm extraction disk, 250-mL capacity. Pack of 20

G5247 UltraFlow disposable polypropylene funnel specifically for J.T. Baker® apparatus; 47-mm extraction disk, 250-mL capacity. Pack of 20



UltraPrep

UltraPrep® Preactivated C-18 Premium Extraction Disks

- No need to condition before use—eliminates the need for additional solvent such as methanol
- Ensure method compliance—unique hydrophilic material does not need to be kept wet, eliminating the risk of co-solvent contact with sample
- Improve filtration speed and recovery with prefilter layer of coarse glass fiber
- Follow EPA 1664 for solid phase extraction



Filter size	Catalog number	Qty/pk
47 mm	GUP047MM	20
90 mm	GUP090MM	15
100 mm	GUP100MM	15

GUPF47EE UltraPrep disposable polypropylene funnel; 47-mm extraction disk, 250-mL capacity. Pack of 20

GUPF47JTB UltraPrep disposable polypropylene funnel specifically for J.T. Baker® apparatus; 47-mm extraction disk, 250-mL capacity. Pack of 20

Environmental Express® Snip & Pour® Standards for Oil and Grease Analysis by LLE or SPE

Stop measuring reagents

- Packaged in PTFE tubes—just snip corner and pour, no more pipetting or warming
- For nonstandard volumes, order convenient 30-mL bottles
- Quality guaranteed—each lot is checked gravimetrically and by GC

These convenient and ready-to-use Snip & Pour standards meet all requirements for Hexadecane/Stearic Acid Spiking Solution as specified by EPA Method 1664 for quality control sample analysis (paragraph 7.10). All standards come with a certificate of analysis with lot number and expiration date, as well as an MSDS.

Single-use tubes deliver the precise volume of HEM to the LCS or Matrix Spike sample—contents will not adhere to the sides of the tube. Each G3025 tube contains 40 mg of extractable HEM per 10 mL aliquot. The G3026 tube contains 10 mg extractable HEM for performing MDL analysis. Pack contains twenty 10-mL tubes.

The 30-mL bottle is ideal for nonstandard volumes and delivers 40 mg of extractable HEM per 10 mL aliquot. Suitable for LCS and Matrix Spike samples and meets all EPA 1664 requirements for both Separatory Funnel (LLE) and Solid Phase Extraction (SPE) techniques. This pack contains nine 30-mL screwtop bottles.



Concentration	Volume	Qty/pk	Catalog Number
Laboratory Control Standards			
20 mg Hexadecane and 20 mg Stearic Acid (40 mg HEM in 10 mL Acetone)	5 mL	20	G2018
20 mg Hexadecane and 20 mg Stearic Acid (40 mg HEM in 10 mL Acetone)	10 mL	20	G3025
20 mg Hexadecane and 20 mg Stearic Acid (40 mg HEM per 10 mL in 30 mL Acetone)	30 mL	9	G3020
100 mg Hexadecane and 100 mg Stearic Acid (200 mg HEM in 10 mL Acetone)	10 mL	20	G3027
MDL Study Standards			
1 mg Hexadecane and 1 mg Stearic Acid (2 mg HEM in 10 mL Acetone)	10 mL	20	G3021
2 mg Hexadecane and 2 mg Stearic Acid (4 mg HEM in 10 mL Acetone)	10 mL	20	G3004
2.5 mg Hexadecane and 2.5 mg Stearic Acid (5 mg HEM in 10 mL Acetone)	10 mL	20	G3024
3.5 mg Hexadecane and 3.5 mg Stearic Acid (7 mg HEM in 10 mL Acetone)	10 mL	20	G3023
5 mg Hexadecane and 5 mg Stearic Acid (10 mg HEM in 10 mL Acetone)	10 mL	20	G3026

†Concentration listed in EPA Method 1664.



Environmental Express® QuikVap® Evaporating System

One system handles both flask and pan analysis methods

- Simply switch out adapter plate to accommodate flasks or pans
- Evaporate *n*-hexane quickly and effectively by adjusting temperature, airflow, and vessel configuration
- Use digital controller to accurately set and maintain temperature throughout the evaporation process
- Attach system to air or nitrogen source and preheat to 65°C; evaporation of 40 mL of solvent in just 20 minutes
- Use system with 100-mL flasks or aluminum pans with 70 or 105 mm diameter

This easy-to-use evaporation system provides quick drying of samples. Simply connect to dried air or nitrogen source, preheat block to 65°C, adjust flow of air, and evaporate to dryness. Transfer samples to a desiccator and then reweigh.

Caution: Operation should take place under an operational fume hood.

What's included: block heater with six-position flask manifold, anodized aluminum pan adapter plate, six curved needles, six needle adapters, flow control valve with hose barb adapter, and one box of 105-mm aluminum pans.



The included pan adapter plate easily converts the system for analysis using aluminum pans.

Description	120 VAC	240 VAC
	Catalog number	Catalog number
QuikVap evaporating system	G7000	G7000-240

G7005 Hose barb adapter for QuikVap system

G7004C Flow control valve for QuikVap system

Aluminum Evaporating Pans

Get effective evaporation affordably

- No need to clean— just toss when analysis is complete



Diameter	Catalog number	Qty/pk
70 mm	F93447DSH	100
105 mm	F93140DSH	100
105 mm	F93140DSH-C	1000

Round-Bottom Collection Flask

Quality glassware for reliable testing

- Heavy-wall borosilicate glass with 24/25 ground glass joint



Capacity	TS joint	Catalog number
100 mL	24/25	G1045

4397

ENVIRONMENTAL EXPRESS®
a Cole-Parmer company

2345A Charleston Regional Parkway,
Charleston, South Carolina 29492

Phone: 843-881-6560

Toll Free: 800-343-5319

Web: EnvExp.com

E-mail: info@EnvExp.com