



SPE-Express[®] 2

Automated Oil & Grease Extraction System

The SPE-Express 2 is intended for the automated extraction of Oil & Grease material following US EPA Method 1664. The unit employs a Solid Phase Extraction (SPE) disk to capture and separate oil and grease components from sample media. Components are eluted from the SPE disk using n-Hexane and collected in an aluminum pan. Following elution and collection, the remaining solvent mixture is then evaporated through gently applied heat source removing the n-Hexane and capturing the Oil & Grease component residue.

- Automates extraction and evaporation of the sample, eliminating a “hands on” transfer step
- Built-in fluid sensor verifies extraction progress to check for a clogged disk
- Simultaneous operation capability of up to 3 stations for optimal efficiency



The SPE-Express 2 automates oil and grease analysis (EPA Method 1664) providing an automated efficient analysis with reduced errors conserving your labs most important resource—its analysts’ time.

Specifications	
Power	120/240 VAC, ~50/60 Hz, Current – 10 A
Dimensions (height x width x depth)	32 in. (with bottle installed) x 9 in. x 23 in. (81.28 cm x 22.86 cm x 58.42 cm)
Weight	35 lbs (15.88 kg)
Operating conditions	For indoor use in a well-ventilated area
Temp	+5 to +40°C
Altitude	Altitude 4000M
Humidity	Not exceeding 80% for temperatures up to 31°C, decreasing linearly to 50% RH at 40°C
Solvent compatibility	n-Hexane, methanol, water
Solvent purity requirements	85% minimum purity, 99.0% min. saturated C6 isomers, residue less than 1 mg/L (0.0001% max.)
Vessel constraints	53 mm 1 L bottles* (33, 70, and 89 mm adapters are available)
Method compatibility	EPA 1664 A and B, custom

* Conforms to EPA Method 1664 requirements



The SPE-Express 2 system ships with the following parts and accessories:

Component #	Description	Quantity
F93140DSH	Aluminum Weigh Dish, 105mm, 100pk	1
G1065	SPE - 5.5 Gram Na ₂ SO ₄ Drying Cartridge, 50pk	1
G3023	SPE - O/G MDL Standard, 10mL tubes, 7mg HEM, 20pk	1
G3025	SPE - O/G Standard, 10mL tubes, 40mg HEM, 20pk	1
G3070	SPE - 20-Liter Waste Carboy with Tubing & Fittings	1
G9001	SPE-Express 2 - Glass Chamber, EA	1
G9003	SPE-Express 2 - Reagent Bottle Rack, EA	1
G9004	SPE-Express 2 - Reagent Tubing Kit, EA	1
G9005	SPE-Express 2 - GL38 Cap, 4 Port PTFE Insert, EA	3
G9006	SPE-Express 2 - PTFE Port Plug, 3/8"-24 UNF(M), EA	2
G9007	SPE-Express 2 - Hose Barb, Wye Reducer, 3/8"x1/4 ID, EA	1
G9008	SPE-Express 2 - Quick Disconnect Hose Barb Adapter, EA	1
GUP5260	SPE-Express 2 - UltraPrep® Filter Assembly, 47mm, 100pk	1

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