

# EconoTrace® PFC Parallel SPE System

The EconoTrace® Parallel SPE System for PFAS/PFOS is designed to streamline your laboratory's workflow and increase productivity by automating the manual steps in your sample preparation process. The EconoTrace Parallel SPE system automates existing manual SPE techniques and replaces older manual Liquid-Liquid Extraction techniques. The system is designed specifically for the analysis of PFAS/PFOS. The materials used for the components that make up the system are Delrin®, Peek®, Stainless Steel and Linear Low Density Polyethylene tubing.

The EconoTrace Parallel SPE system for PFAS/PFOS is the only SPE system that combines extraction, automatic bottle rinse, drying and concentration into one step providing a truly automated total sample prep solution for the laboratory. Simply load samples onto the EconoTrace Parallel SPE system to trigger the automated extraction process. After loading the sample onto the SPE cartridge at the set flow rate, the drying step is accomplished using Nitrogen. This drying step replaces manual techniques. The analytes of interest are then eluted directly to the SuperVap PFC Concentrator where the concentration process automatically brings the extract to final volume and places it directly into a 15ml Centrifuge tube, ready for final analysis. Automating these processes into one step ensures the highest quality results in the shortest amount of time and eliminates both human error and the possibility of contamination.



*The EconoTrace 3 system runs six samples in parallel and provides direct to Centrifuge concentration.*

## **Reduces Errors**

One-step automated SPE and concentration eliminates human error, saves labor costs and reduces solvent usage while increasing your sample throughput.

## **Fully Automated**

Hyphenates the entire sample prep process—extraction, drying and concentration steps into a one process.

Runs up to eight samples simultaneously.

Automatic sample bottle rinse.

Concentrates samples up to 15 mL directly to a Centrifuge tube.

## **High Speed**

The fastest automated sample processing available for SPE cartridges of all sizes.

Runs up to eight samples simultaneously.

Positive pressure pumping for fast, simultaneous loading of samples.

## **Versatile**

Handles a wide range of sample sizes and matrix types.

Sample sizes from 2 mL to 8 L.

Expandable from one to four modules—two samples per module.

## **Efficient**

Uses all SPE cartridge sizes.

Positive pressure pumping for loading samples.

Nitrogen drying.

## **Compliant**

Complies with existing methods that require positive pressure pumping for the precise delivery of sample and solvents.

Dispenses up to six solvents using an HPLC pump to deliver precise volumes and flow rates for sample loading, conditioning, and elution.

## **Easy Documentation**

Programs and stores an unlimited number of methods and runs on an SD Card.

## **Easy method transfer**

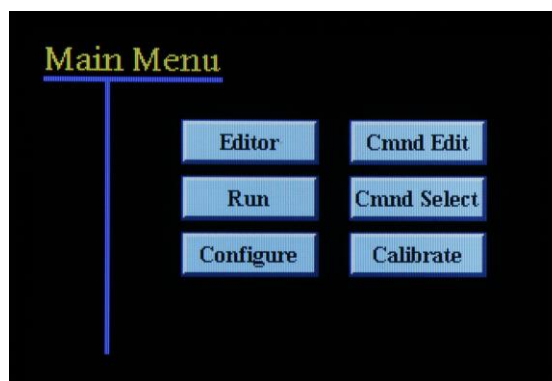
Easy-to-use touch screen.

The EconoTrace Parallel SPE system uses positive pressure pumping for precise and accurate delivery of the sample as well as conditioning, washing and elution solvents. It is specifically designed to isolate analytes of interest from a wide variety of liquid matrices such as urine, blood, water, milk, beverages. Sample sizes range from 2 mL to 8 L and use the same bottle the sample was collected in. Sample loading rates are programmable. A positive pressure pump is used to load samples onto any SPE cartridge available on the market and it easily handles a variety tough sample matrices.

The EconoTrace Parallel SPE/SuperVap PFC system concentrates samples directly to a 15ml Polypropylene Centrifuge tube. Sample Processing Modules can easily be swapped out for service which means your lab will experience zero downtime.



*The EconoTrace System is expandable from one to four modules*



*System control is accomplished via an easy-to-use touch screen.*

*The SuperVap® Concentrator is where the concentration process automatically brings the extract to final volume in 15ml Centrifuge tube , ready for final analysis.*



*Measurements - Concentration / Evaporation vessels in many sizes including 15ml centrifuge tubes.*

*Automatic time-based or endpoint detection for nitrogen shut off for each vessel*

## Specifications

### EconoTrace® Parallel SPE PFC System

Dimensions: 15" W x 18" D x 26" H  
Weight: 30lbs.  
Gas Requirements: Nitrogen - 20 PSI minimum  
Pump: Piston Displacement  
Flow rate: 0.2 to 15 mL/minute  
Electrical Input: 110/220 Volts, 50/60 HZ  
Controller: Integrated Touch Screen Control

### SuperVap® PFC Concentration System

Dimensions: 12" W x 13" D x 12" H  
Weight: 20 lbs.  
Gas Requirements: Nitrogen - 20 PSI minimum  
Electrical Input: 110/220 Volts, 50/60 HZ  
Controller: Integrated Touch Screen Control  
Bath: Dry

## Ordering Information

Part Number	Description
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### Consumables

Part Number	Description
SPE-BT1	SPE Sample Bottle 1L
SPE-BTRC	SPE Sample Bottle Rinse Cap
SPE-ADP-1	SPE 1 mL Cartridge Adapter
SPE-ADP-3	SPE 3 mL Cartridge Adapter
SPE-ADP-6	SPE 6 mL Cartridge Adapter
SPE-ADP-20	SPE 20 mL Cartridge Adapter
SPE -ADP-35	SPE 35 mL Cartridge Adapter
SPE-PRE-20	SPE Pre-filter cartridge



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