

EZPFC™

*Simple & Quick Solid Phase Extraction
for Drinking Water & Waste Water
PFAS Analysis*

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Drinking Water & Waste Water PFAS Analysis

With EZPFC you can perform solid phase extractions for 12 samples in less than 45 minutes achieving high recoveries and excellent precision for all analytes.

Simple to Operate

No computer or electronics

High Throughput

Run up to 12 samples simultaneously in 45 minutes

Low Cost

Saving you money and time, reducing labor and maintenance

No Teflon

There are no Teflon components or tubing used in the EZPFC system

Flexible

Uses all SPE cartridge sizes, all sample bottle sizes

Semi Automated

Vacuum sample loading & valve selection for separating aqueous & organic waste Separates organic and aqueous waster with a simple switch of a valve

Separates Waste

Auto Bottle Rinse

Nitrogen is used to push rinse solvent across all bottle surfaces to rinse evenly

No Cross Contamination

The EZPFC has 2 manifold stages, Stage 1 manifold for conditioning and loading sample. Stage 2 a glass tank for elution of extracts. Having two separate manifolds eliminates cross contamination, lowers background and the need to wash the glass tank between conditioning/ sample loading and elution saving valuable time.

Vacuum

Used for cartridge conditioning, sample loading and analyte elution

In-Line Drying Reliable

Nitrogen and Vacuum In-line Drying

Closed System

Once the sample bottle is capped it is closed to the outside environment for the entire process

Quality Consumables

Guaranteed certified cartridges

Reliable

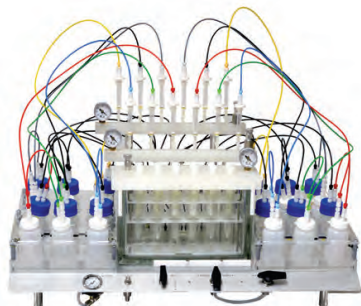
No Downtime, the design of the EZPFC eliminates this by using no pumps or mechanical valves

Easy, DIY Installation

Online installation and training videos eliminate the need for a service visit or on-site install

SuperVap PFC 24

Concentration system for PFAs, up to 24 PFAs samples at a time in as little as 2 hours to complete the full sample prep workflow



After 30 years of leading automation in the field of Sample Preparation, FMS introduces EZPFC to further simplify the Solid Phase Extraction process and make it easier to perform. The EZPFC's impressive performance combined with the SuperVap PFC allows laboratories an efficient workflow to reduce turnaround time and increase quality of the PFAS analysis results while reducing the cost.

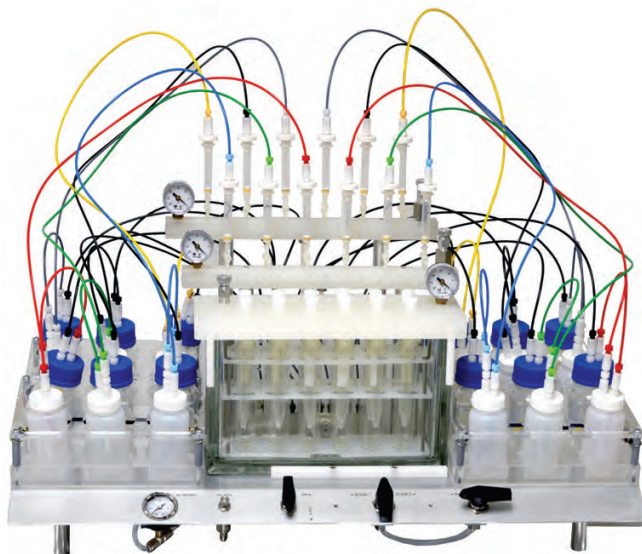
Using vacuum & nitrogen, the EZPFC automatically loads the samples, rinses the sample bottle and delivers the solvent to the SPE cartridges. The final extract is delivered directly to the extract vial ready for final concentration in the FMS SuperVap®. The process saves both labor and time.

Applications: Drinking Water, Waste Water, Serum, Solids

With the EZPFC you can run multi-cartridge applications for any SPE PFAS method requiring more than one cartridge.

The EZPFC system is designed to streamline your laboratory's workflow and increase productivity by automating the manual steps in your sample preparation process.

The EZPFC system uses a combination of automated and existing manual techniques. EPA and other methods for PFAS call for the extraction and analysis in various matrices. Plastic wool and 25 ml cartridges are available for tough samples.



EPA Method 537.1 Recoveries

Compound Name	2 ppt	5 ppt	25 ppt	50 ppt	EPA Window
PFBS	94%	93%	98%	99%	70% - 130%
PFHxA	99%	104%	101%	109%	70% - 130%
HFPO-DA (Gen X)	102%	98%	106%	123%	
PFHpA	99%	103%	102%	103%	70% - 130%
PFHxS	95%	97%	97%	102%	70% - 130%
ADONA	90%	97%	99%	104%	70% - 130%
PFOA	116%	109%	105%	103%	70% - 130%
PFOS	93%	96%	95%	101%	70% - 130%
PFNA	95%	107%	111%	110%	70% - 130%
9CI-PF3ONS	88%	88%	95%	100%	70% - 130%
PFDA	91%	99%	105%	111%	70% - 130%
NMeFOSAA	93%	97%	92%	92%	70% - 130%
PFUdA	93%	101%	104%	108%	70% - 130%
NEtFOSAA	95%	110%	98%	98%	70% - 130%
11CI-PF3OUdS	86%	88%	86%	91%	70% - 130%
PFDoA	90%	92%	99%	101%	70% - 130%
PFTrDA	86%	89%	97%	93%	70% - 130%
PFTeDA (PFTA)	84%	82%	91%	93%	70% - 130%

EPA Method 533 Recoveries

Compound Name	Average %	RSDs %
PFBS	86	3.7
PFHxA	101	4.6
HFPO-DA (Gen X)	96	3.7
PFHpA	96	3.5
PFHxS	100	1.9
ADONA	99	2.9
PFOA	86	2.9
PFOS	101	2.0
PFNA	97	3.0
9CI-PF3ONS	98	2.9
PFDA	97	4.0
PFBA	101	11.0
11CI-PF3OUdS	104	3.5
PFDoA	96	4.7
8:2FTS	96	4.0
6:2FTS	99	11.0
4:2FTS	98	5.0
PFHpS	100	3.6
PFPeA	104	6.3
PFPeS	93	11.1
PFUnA	102	6.6

Supports EPA Methods :

EPA Method 537.1

EPA Method 533

EPA Method 8327 with 3512 (PFAS in Drinking, Surface and Waste Water)

EPA Method 8327 for solids

EPA 1633

ASTM 7968

ASTM 7979

ISO 25101: 2009

DOD QSM 5.3

“Direct-to-Vial Concentration”

Concentration system designed for PFAs, up to 24 PFAs samples at a time in as little as 2 hours to complete the full sample prep workflow.



Accessories

Part Number	Description
VAC-PMP	Vacuum Pump
SVAP-PFC-24	SuperVap PFC Concentrator - 24 Position
SPE-CAR5-DVB-PFC	PFC Cartridge 500mg 6ml
SPE-CAR25-WAX-PFC	PFC Cartridge 500 mg 25 ml
SPE-CAR25-DVB-PFC	PFC Cartridge 500 mg 25 ml
SPE-CAR1-WAX-PFC	PFC Cartridge 1 gram 25 ml
SPE-ADP-LG	SPE Large 15, 25, 35 ml Cartridge Adapter - Male to Male
SPE-ADP-SM	SPE Small 1, 3, 6 ml Cartridge Adapter - Male to Male
FMS_00635	Fluid Line Kit PFC-12 30", Sample Bottle to Cartridge, Pack
SPE-ADP-LGF	SPE Large 15, 25, 35 ml Cartridge Adapter - Male to Female
SPE-ADP-SMF	SPE Small 1, 3, 6 ml Cartridge Adapter - Male to Female
FMS_00577	Union, Female Luer Delrin