

Partners in Process Development



**safely concentrate PFAS chemicals
with centrifugal liquid-liquid
extraction systems**

**Contact our application
engineers for project
development support inquiries at
413.499.4818 or email us at
sales@rr-centrifuge.com!**

ENGINEERING CHALLENGE

- Difficult to remove. Cleaning up PFAS contamination is technically challenging and costly. Standard water treatment methods are often ineffective, and advanced treatments like activated carbon, ion exchange, and high-temperature incineration are expensive and energy intensive.
- Ubiquitous presence. PFAS are found in many consumer products such as non-stick cookware, water-repellent clothing, stain resistant fabrics, and fire fighting foams. This widespread use results in extensive exposure risks for humans.



Pfastractor™ Model LX520 Series

PROCESS TECHNOLOGY SOLUTION

Combatting the PFAS problem requires an integrated approach incorporating recovery, recycling and reuse of the PFAS chemicals. Designed to recover assorted long-chain and short-chain perfluorinated alkylated substances, such as PFAS, PFOS, and PFOA molecule, from contaminated aqueous process streams, the Pfastractor™ Model LX is a continuous liquid-liquid phase extraction (LLPE) system, which operates in a continuous counter-current manner.

The Pfastractor™ delivers a highly enriched PFAS stream that is well suited for subsequent remediation and reuse steps, and a PFAS depleted phase suitable for return to its source.

COMPETITIVE ADVANTAGES

- Compatible. Modular, skid-mounted system deployed in the field, and adaptable to existing treatment facilities.
- Sustainable. No requirement for on-site storage silos, no landfill disposal, no incineration of GAC, clay, or other adsorbents.
- Proven. Process volumes from 2 liters per hour for research systems up to 8,000 liters per hour for industrial treatment systems.

Rousselet-Robatel provides comprehensive application engineering, mechanical design and system build out, and field service support to ensure equipment performance and process compliance.



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