

Purolite® PFAS System Design and Modeling



What Can You Do When You Are Faced With These Emerging Contaminants?

Municipalities across the nation are finding that levels of poly- and perfluoroalkyl substances (PFAS) are exceeding the health guidelines made by the U.S. Environmental Protection Agency and changing state guidelines.

Thanks to Ecolab's ion exchange technology, these dangerous compounds can be reduced to non-detect levels. Purolite™ Purofine™ PFA694E makes use of ion exchange and adsorption technologies to reduce the capital and operational costs of treatment compared to standard carbon-based treatment methods.

To provide safe, clean water for your community, consider Purofine PFA694E. We can tailor a system to your municipal or state water quality goals. To get the process started, we only need some basic information about your water quality and existing system.

Information Needed for Effective PFAS System Design

Inlet PFAS Information

- Inlet PFAS levels by species (ppt)
- Inlet TOC levels (ppm)
- Target reduction levels (PFAS)
- VOC levels (ppb)
 - Is water pretreated by an air stripper?
 - If yes, what is the target reduction level of VOC? (ppb)
- Flowrate (gpm or m³/h)
- Volume of water treated daily (gpd or m³/d)

Background Water Chemistry (ppm or mg/L)

- | | |
|--|---------------|
| • Sulfate | • Uranium |
| • Nitrate (ppm) as N or NO ₃ (please specify) | • Perchlorate |
| • Bicarbonate alkalinity | • Chromate |
| • Chloride | • Arsenic |

Purolite Deliverables

- Technical Expertise
- Access to an ion exchange expert
- Treatment option evaluation
- Lead-Lag vessel design
- Estimated throughput (gallons/BVs)
- Estimated CAPEX
- Estimated operating costs

Effective Product

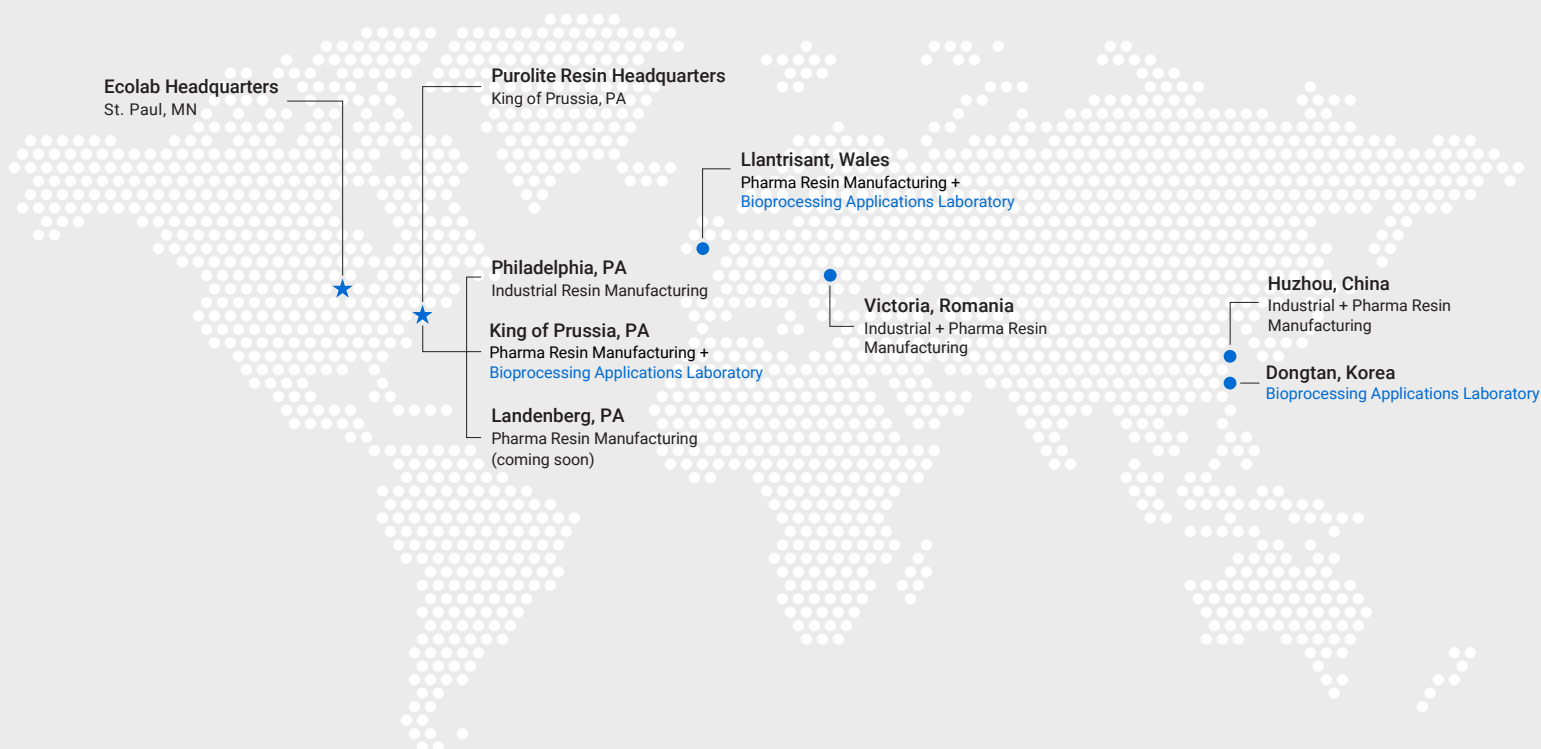
- Single use resin option
- NSF/ANSI-61 certified
- Appropriate for municipal, point of use (POU) and point of entry (POE) systems
- Very high operating capacity
- Excellent kinetics

Learn more at:
[PuroliteResins.com](https://www.puroliteresins.com)

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.



Puorlitorosins.com



We're ready to solve your process challenges.

For further information on products and services, visit Puorlitorosins.com or complete a Contact Us form via Puorlitorosins.com/contact-us or use the QR code.

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