

Simplify Ion Exchange Vessel Repairs with RTI's Pump & Hold Service

Maintaining ion exchange systems is essential for keeping industrial water treatment plants running efficiently. But when it comes time for **internal vessel repairs**, the process can seem complex—especially when resin needs to be removed and stored properly.

Recirculation Technologies, LLC (RTI) makes it simple with our **Pump & Hold service**, offering a safe, efficient, and proven solution for resin removal during vessel maintenance and repair.

Why You May Need Resin Removal

Many common internal maintenance tasks require temporary removal of resin:

- Repairing or replacing **broken laterals**
- Inspecting or re-lining vessel interiors
- Replacing or upgrading **distribution systems**
- Performing **vessel inspections** or structural evaluations

Attempting these procedures without proper resin removal can risk damaging your resin, extending downtime, or complicating the repair process.

RTI's Pump & Hold: A Simple, Reliable Solution

RTI's **Pump & Hold** service is designed to safely and efficiently remove your ion exchange resin and store it temporarily while your vessel undergoes repairs or inspections.

What's Included:

- **Complete Resin Removal**
RTI's technicians use **custom pumps built specifically for ion exchange resin**, capable of transferring **up to 300 cubic feet per hour**. This ensures minimal disruption and no damage to the resin beads.
- **Secure Resin Holding**
Once removed, your resin is stored in **sanitary, lined holding tanks** on-site, keeping it clean and ready for reuse or further treatment.

- **Safe and Clean Handling**
We take extra precautions to avoid contamination, preserve resin condition, and comply with environmental and safety standards.
- **Optional Vessel Inspection**
If you're unsure what's causing performance issues, RTI can conduct a full **internal vessel inspection**, including:
 - Lateral integrity checks
 - Liner hardness and spark testing
 - Spray pattern evaluations
 - Resin condition sampling



When to Use RTI's Pump & Hold Service

Our service is ideal for any of the following situations:

- **Lateral Failure or Blockages**
- **Suspected Internal Damage**
- **Liner Replacement or Repair**
- **General Preventive Maintenance**
- **Before Resin Cleaning or Separation Services**

By temporarily removing resin before your maintenance work begins, **you reduce system downtime, avoid damage to resin, and simplify the repair process.**



Who We Serve

RTI provides Pump & Hold services to a wide range of industries:

- Power Generation
 - Chemical Manufacturing
 - Pulp & Paper
 - Food & Beverage
 - Municipal Water Treatment
-

Why Choose RTI?

- **30+ years of ion exchange experience**
- **Specialized equipment** for resin handling
- **Fast mobilization and turnaround**
- **Integrated services** including resin cleaning, testing, and reinstallation

From troubleshooting and resin removal to repair support and reinstallation, **RTI delivers end-to-end support** for your ion exchange system.

Schedule Your Service or Get a Consultation

Don't let internal vessel maintenance turn into a complex, drawn-out process. With RTI's Pump & Hold service, you'll get the job done faster, cleaner, and with confidence.

 **Call us:** 215-682-7099  **Email:** sales@rtiservices.com  **Visit:** www.rtiservices.com

RECIRCULATION
TECHNOLOGIES, LLC