

Ion Exchange Systems

Background

The Westinghouse Richland Service Center offers a wide range of vessels engineered for radioactive cleanup. Our commitment to technical excellence includes providing complete solutions to specific issues, including a line of portable, reusable ion exchange vessels for specialized uses or long-term service.

Description

Westinghouse's high-throughput stainless steel ion exchange vessels are available with capacities from 5 to 105 cubic feet of cation, anion or mixed-bed bead resin, activated carbons, or zeolite.

Fresh cleanup media are sluiced into the vessel through a top-mounted nozzle. Spent media are sluiced out of the vessel through a separate nozzle.

Benefits

- Outlet nozzles with "Johnson-type" wound wire screen distributors are designed to provide efficient, high-throughput without channeling
- Internal distributors are removable for screen inspection or changeout for varying flow capacities
- By offering the latest in cleanup operations, our service can include:
 - Decontamination solvent cleanup
 - Total organic compound removal
 - Sump and tank cleanup

- Discharge water polishing
- Spill cleanup



Westinghouse's ion exchange column setup

Service

Westinghouse can provide ion exchange vessels with radiation shields, hoses, valve and piping manifolds, pumps, filters, and tanks to fit any application.