

Translucent Pfa Ion Exchange Column With Sieve Plate For Corrosive Chemical Processing And High Purity Trace Analysis

Item Number: PL-CP360



Introduction

Enhance trace analysis using this translucent PFA ion exchange column featuring integrated sieve plates for superior chemical resistance and visual monitoring. Fully customizable for high-purity laboratory applications and aggressive chemical processing environments. Request your bespoke industrial solution today for performance.

[Learn More](#)

Application	Description	Key Benefit
Trace Metal Analysis	Separation of rare earth elements and transition metals for environmental and geological samples.	Zero background interference and minimal analyte loss.
Semiconductor Processing	Purification of high-purity etchants and cleaning solutions used in wafer fabrication.	Resistance to hydrofluoric acid and ultra-low ionic leaching.
Pharmaceutical Purification	Isolation of active pharmaceutical ingredients (APIs) in corrosive or highly acidic conditions.	Compliance with high-purity standards and solvent compatibility.
Isotope Geochemistry	Precise separation of isotopes for geochronology and oceanography research.	Maximum recovery of trace samples and extreme chemical durability.
Nuclear Engineering	Recovery and purification of radioactive isotopes from corrosive aqueous streams.	Long-term stability under radiation and aggressive chemical stress.
Specialty Chemical R&D	Testing of new catalysts and chemical reactions involving highly reactive reagents.	Safe containment and real-time visual observation of reactions.
Waste Water Treatment	Analysis of heavy metals in industrial effluent using specialized ion exchange resins.	Robust performance in varying pH levels and harsh industrial waste.

Parameter	Specifications for PL-CP360
Product Item Number	PL-CP360
Material Construction	High-Purity Translucent PFA / PTFE
Volume Options	200ml, 1000ml, and Fully Customizable
Sieve Plate (Frit)	Integrated Fluoropolymer Sieve Plate (Custom Pore Size Available)
Operating Temperature Range	-200°C to +260°C
Chemical Resistance	Universal (Except molten alkali metals and fluorine gas)
Visual Property	Semi-transparent (Translucent) for visual bed monitoring
Pressure Rating	Designed for gravity flow or low-pressure liquid chromatography
Connector Type	Standard GL or NPT threads (Customizable upon request)
Surface Finish	High-precision CNC machined smooth internal bore

Application	Description	Key Benefit
Parameter	Specifications for PL-CP360	
Customization	Available for length, diameter, wall thickness, and specialized fittings	