

# High Purity Pfa Acid Purifier Maintenance And Refurbishment System With Silicone Heating Jacket And Digital Temperature Control Box

Item Number: PL-CP176



## Introduction

Enhance laboratory efficiency with our comprehensive maintenance and refurbishment solutions for high-purity PFA acid purification systems. This precision-engineered service includes specialized silicone heating jackets, replacement collection bottles, and advanced temperature control units for demanding trace analysis workflows. Ensure peak performance.

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Application	Description	Key Benefit
Semiconductor Fabrication	Purification of ultra-pure acids for wafer cleaning and etching processes in cleanroom environments.	Reduces metallic impurities to sub-PPT levels.
Environmental Trace Analysis	Maintenance of equipment used to prepare samples for heavy metal detection in water and soil.	Eliminates background contamination in samples.
Geochemical Research	Distillation of high-purity acids for the digestion of rock and mineral samples for isotope analysis.	Ensures high-precision isotopic ratios.
Pharmaceutical R&D	Refurbishment of systems used to purify reagents for active pharmaceutical ingredient (API) testing.	Maintains compliance with strict purity standards.
Nuclear Forensic Analysis	Maintenance of systems used in the separation and purification of actinide elements in specialized labs.	High chemical resistance to volatile reagents.
Forensic Toxicology	Ensuring the purity of solvents and acids used in complex biological sample extractions and analysis.	Increases sensitivity of analytical instruments.

Specification Category	Detailed Parameter Description	PL-CP176 Configuration Status
<b>Model Identifier</b>	Site-facing product reference code	<b>PL-CP176</b>
<b>Product Type</b>	High-Purity Maintenance & Refurbishment Kit	Customizable Based on System Needs
<b>Material Composition</b>	Primary contact and structural fluoropolymers	Custom Products Only
<b>Heating Component</b>	Flexible silicone heating jacket architecture	Customizable Dimensions
<b>Control System</b>	Digital PID Temperature Control Unit	Custom-configured Settings
<b>Compatibility</b>	Support for various imported purification units	Customizable Interface
<b>Vessel Options</b>	PFA collection and distillation containers	Custom Volume Requirements
<b>Thermal Range</b>	Operating temperature for sub-boiling control	Customizable Range
<b>Input Voltage</b>	Power requirements for control electronics	Custom Configurations Available