

Corrosion Resistant Ptfе Sampling Spoon And Cleaning Basket For Acid Tank Reagent Handling

Item Number: PL-CP356



Introduction

High-purity PTFE sampling spoon and cleaning basket designed for corrosive environments. Ensure reagent integrity and operator safety with chemically inert, non-contaminating fluoropolymer construction. Customizable designs available for trace analysis, acid leaching, and demanding laboratory workflows.

[Learn More](#)

Application	Description	Key Benefit
Trace Metal Analysis	Sampling of high-purity reagents for environmental testing and geochemical surveys.	Prevents sample cross-contamination and background noise.
Semiconductor Wafer Etching	Carrying small-scale electronic components into hydrofluoric acid baths for surface treatment.	Total resistance to HF and ultra-clean processing environment.
Pharmaceutical Synthesis	Handling catalysts and active ingredients in aggressive solvent environments during formulation.	Chemical purity ensures no reactive interference with APIs.
Acid Digestion Prep	Retrieving digestion vessels or solid samples from concentrated acid heating blocks.	Protects operators from high-temperature acid contact.
Aerospace Component Cleaning	Immersion of precision valves and fittings into oxidative cleaning solutions.	Long-term durability in industrial-strength cleaning agents.
Battery Research	Handling electrolyte materials and electrode components in lithium-ion research.	Moisture resistance and chemical stability with electrolyte salts.
Cleanroom Storage	Used as a drying rack or storage basket for high-purity fluoropolymer labware.	Maintains the "clean" status of labware after sterilization.

Parameter Group	Specification Detail for PL-CP356
Primary Material	High-Purity Polytetrafluoroethylene (PTFE) / PFA options available
Model Identifier	PL-CP356 (Customizable Variant)
Design Configuration	Fully Customizable (Spoon, Basket, or Hybrid)
Dimensions	Custom products fabricated to client specifications
Handle Length	Customizable based on tank depth and operator requirements
Perforation Size	Precision-drilled according to fluid dynamics needs (for baskets)
Surface Finish	High-smoothness CNC finish (Standard)
Operating Temperature	-200°C to +260°C
Chemical Compatibility	Universal (pH 0-14, all organic solvents and mineral acids)
Trace Metal Content	Ultra-low (Suitable for semi-grade and trace analysis)