

Translucent Pfa Bottle Top Dispenser For Corrosion Resistant Chemical Squeeze Extraction

Item Number: PL-CP126



Introduction

Engineered high-purity PFA bottle top dispenser designed for corrosion-resistant squeeze extraction. This translucent fluoropolymer system ensures contamination-free liquid handling and safe chemical transfer in demanding laboratory environments. Fully customizable designs available for specialized industrial research.

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Application	Description	Key Benefit
Trace Metal Analysis	Dispensing ultrapure acids (HNO ₃ , HCl) for sample preparation in environmental and geological studies.	Prevents background contamination to ensure PPB/PPT level accuracy.
Semiconductor Processing	Handling of etching solutions and photoresist developers in cleanroom environments.	High purity and chemical resistance prevent wafer contamination.
Hydrofluoric Acid Transfer	Safe dispensing of HF, which is incompatible with glass and many standard plastics.	Operator safety and long-term durability against aggressive fluorinated compounds.
Pharmaceutical Quality Control	Measuring reagents for active pharmaceutical ingredient (API) synthesis and testing.	Compliance with high purity standards and easy sterilization of PFA components.
Battery Research	Handling of electrolytes and corrosive additives in lithium-ion and sodium-ion battery testing.	Material stability prevents side reactions with sensitive electrolyte components.
Petrochemical Testing	Transfer of volatile organic solvents and corrosive catalysts in industrial laboratories.	Exceptional resistance to organic solvent swelling and mechanical degradation.

Feature	Specification Details for PL-CP126
Model Identifier	PL-CP126
Primary Material	High-Purity PFA (Perfluoroalkoxy)
Secondary Material	PTFE (Polytetrafluoroethylene) available for specific components
Dispensing Method	Manual Squeeze Extraction / Bottle Top Integration
Chemical Compatibility	Universal (Strong Acids, Bases, Solvents, Oxidizers)
Operating Temperature	-200°C to +260°C (Material capability)
Fabrication Method	CNC Machined & High-Purity Welded Assembly
Configuration	Custom sizes and thread types (Customizable)
Cleanliness Level	Suitable for Class 10/100 Cleanroom environments
Design Type	Simple, Non-Mechanical, Leak-Proof
Dimensions	Fully customizable based on user-provided bottle specifications