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SOLVENT RECOVERY UNIT AZA0949

The AZA0949 Solvent Recovery Unit from Azalab is a high-efficiency, closed-loop system designed for the recovery, purification, and reuse of organic solvents used in laboratory and industrial processes.

Utilizing controlled thermal distillation, the AZA0949 enables high-purity solvent recovery, significantly reducing chemical costs, minimizing hazardous waste, and supporting environmental compliance.

It is widely used in bitumen and asphalt testing laboratories, pharmaceutical facilities, chemical industries, and R&D environments, where solvent handling efficiency and safety are critical.

Key Functional Features

- High Recovery Efficiency (Up to 95%)

Maximizes reuse of expensive solvents

- Closed-Loop VOC Control System

Reduces emissions and improves lab safety

- Digital PID Temperature Control

Accurate and stable distillation for various solvents





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- Explosion-Proof Configuration

Suitable for flammable solvents (safety-compliant design)

- Stainless Steel Construction (SS304 / SS316)

Corrosion-resistant and long service life

- Compact & User-Friendly Design

Easy operation with minimal maintenance

- Energy-Efficient Operation

Optimized heating and recovery cycles

Standards & Safety Compliance

- Designed in line with OSHA chemical safety guidelines
- Explosion-proof configuration aligned with ATEX design principles
- Supports green laboratory and sustainability initiatives

Ensures safe handling of volatile and hazardous solvents.

Applications

- Bitumen & Asphalt Testing Labs
- Solvent recovery from centrifuge extraction (ASTM D2172)
- Pharmaceutical and chemical laboratories
- Chromatography solvent recycling
- Industrial cleaning and degreasing operations
- Printing, coatings, and ink formulation industries



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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0949
Operation	Thermal distillation
Recovery Capacity	5 – 100 liters/day (model dependent)
Solvent Compatibility	Acetone, Ethanol, IPA, Xylene, etc.
Construction	SS304 / SS316 stainless steel
Temperature Range	40°C – 180°C
Controller	Digital PID controller
Recovery Efficiency	Up to 95%
Safety Features	Overheat protection, pressure relief, explosion-proof motor
Power Supply	230 V AC, 50 Hz, single phase
Dimensions	Approx. 600 × 400 × 800 mm (model dependent)
Weight	Approx. 25 – 90 kg