AZA LAB / MATERIAL TESTING EQUIPMENT

ABSON METHOD ASPHALT RECOVERY APPARATUS

AZA1198 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

The AZA1198 Abson Method Asphalt Recovery Apparatus is designed to recover asphalt binder from solvent extracts obtained from asphalt mixtures or pavement samples. The process uses distillation to separate solvent from the extracted binder for subsequent laboratory evaluation.

Recovered binder may be examined to assess aging, investigate pavement distress and support recycled asphalt mixture design. The method is intended to minimize changes to binder properties during solvent removal; results depend on correct test procedure and operating conditions.

KEY CAPABILITIES

- Abson-method solvent removal by distillation
- 500 mL heat-resistant glass flat-bottom flask
- Oil bath heating arrangement
- Water-jacketed straight condenser, 200 mm
- Gas delivery tube and adjustable flowmeter
- Recovered binder for subsequent characterization

TECHNICAL SPECIFICATIONS

01 / TECHNICAL PARAMETERS

Parameter	Specification
Method	Abson asphalt recovery by distillation
Flat-bottom flask	500 mL; heat-resistant glass; ground mouth
Heating system	Oil bath pot
Condenser	Straight tube; 200 mm water jacket
Gas delivery	Gas delivery tube
Thermometer	0–300°C
Gas flowmeter	0–4,000 mL/min
Solvent recovery bottle	500 mL
CO_2 cylinder	User supplied
Overall dimensions	60 × 24 × 60 cm
Weight	10 kg
Power supply	220 V AC, 50 Hz

02 / COMPONENTS & SUPPLY

- 500 mL flat-bottom flask
- Oil bath pot
- 200 mm water-jacketed condenser
- Gas delivery tube
- Thermometer (0–300°C)
- Gas flowmeter (0–4,000 mL/min)
- 500 mL solvent recovery bottle

03 / USER-SUPPLIED REQUIREMENT

CO_2 gas cylinder to be arranged by the user. Confirm compatible regulator, tubing and safe solvent-handling provisions before operation.

CONTACT

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