

High Speed Multi-Stage Extraction System

This high-speed extraction system is designed for rapid and efficient extraction processes. It features a multi-stage separation system with stacked sieves for particle size analysis and is suitable for soil testing, material analysis, and environmental monitoring.



Overview

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The DSHD-0722A is a high-performance extraction system designed for the rapid determination of asphalt-aggregate ratios in bituminous mixtures. Utilizing advanced high-speed centrifugal separation, it ensures precise extraction and efficient solvent recycling within a closed, environmentally friendly system. Featuring microprocessor-controlled operation and programmable run settings, this instrument provides reliable, intuitive analysis for laboratory environments.

Performance Metrics

Extraction Accuracy

0.1 %

Accuracy

Rotation Speeds	5500 RPM, 11000 RPM
Extraction Time	20–40 minutes per cycle

Technical Specifications

Sample Quantity	1500 g
Power Supply	AC 380 V
Total Power Consumption	5 kW
Total Weight	300 kg
Dimensions (L x W x H)	1400 x 800 x 1600 mm

Operating Environment

Operating Environment

Parameter	Requirement
Ambient Temperature	5–40°C
Relative Humidity	d 80%
Cooling Water Pressure	e 2bar
Cooling Water Temp	d 12°C

Features

Key Features

- Closed-loop solvent recycling system
- High-low-high rotation speed profile for mineral powder collection
- Microprocessor-based data processing
- LCD interface for real-time monitoring
- Programmable and manual operation modes