GENERAL > PARTICLE SIZE ANALYSIS

HIGH-CAPACITY SCREEN SHAKER with HYDRAULIC CLAMPING

Code : G043



- The High-Capacity Screen Shaker with Hydraulic Clamping is engineered for precise determination of particle size distribution in fine and coarse materials, including aggregates and soils. It is particularly effective for larger particles such as crushed aggregates, pellets, coke, coal, slag, and ores, ensuring compliance with specification requirements and aiding in the control of aggregate product production.
- Featuring a robust structure and an eccentric motor, the shaker provides hammer-effect sieving, allowing materials to pass through sieves without clogging.
- The hydraulic clamping system facilitates easy and firm locking of up to six sieve trays, each measuring 457 x 660 mm, accommodating a material capacity of approximately 1 cubic foot (about 65 kg or 30 liters).
- An optional noise reduction and safety cabinet (G043P001H) is available to enhance laboratory safety and comfort by reducing operational noise levels.

STANDARDS

ASTM C136 • EN 932-5

TECHNICAL SPECIFICATIONS

- Material Capacity: 1 ft^3 (~65 kg of aggregate)
- Sieve Tray Capacity: Up to 6 trays (457 x 660 mm)
- Drive Mechanism: Eccentric motor providing hammer-effect sieving
- Sieve trays and pan should be ordered separately
- Power Supply: 220–240 V, 50–60 Hz

EQUIPPED WITH

- Hydraulic clamping system for secure and efficient tray locking

ACCESSORIES

- Noise Reduction Cabinet can be ordered separately
- Sieve trays and pan (to be ordered separately)
- PC Software (ALFA Utilities - Particle Size Analysis):
    - Draw Particle Size Distribution Curve
    - Coefficient of Uniformity (Cu) and Coefficient of Curvature (Cc) which can be directly used in Soil Classification
    - Plot Upper and Lower limits for the curve
    - Unlimited Save / Recall Old Curve Data
    - Export Data to PDF, Image, CSV, Excel, Text File

- ALFA Cloud ® Compatible
- ALFA Cloud ® Subscription

ORDERING INFORMATION

Item Name	Item Code
NOISE-REDUCTION and SAFETY CABINET for G043	G043P001H
PISTON SEALS SET for G043	G043P002H
SPARE PISTON for G043	G043P003H
HIGH CAPACITY SCREEN SHAKER (Hydraulic Clamping System)	G043X00XU

OTHER PHOTOS

