

Vibratory Sieve Shaker AS 450 basic

General Information

The AS 450 basic, is a budget-priced alternative to the AS 450 control sieve shaker. The new sieve shaker covers a size range from 25 µm to 125 mm and accepts loads of up to 15 kg. Time and amplitude are digitally set, a memory function allows storage of one program. The AS 450 basic is suitable for dry and wet sieving. It is the economic solution for customers who need to sieve larger quantities of dry material with reliable results.

Application Examples

cement clinker, chemicals, coal, coke, construction materials, fillers, minerals, ores, plastics, sand, soils, ...

Product Advantages

- suitable for dry and wet sieving
- excellent separation efficiency even with short sieving times
- efficient electromagnetic drive
- 3-D throwing motion which ensures optimum use of the open sieve area and lets the sample move equally over the whole sieving surface
- up to 11 fractions in one sieving operation
- free digital adjustment of all process parameters (time, amplitude, interval)
- mobile operation panel for comfortable, intuitive handling
- maintenance-free
- easy operation, ergonomic design
- robust steel housing

Features

Applications	separation, fractioning, particle size determination
Field of application	chemistry / plastics, construction materials, engineering / electronics, environment / recycling, geology / metallurgy, glass / ceramics
Feed material	powders, bulk materials
Measuring range*	25 µm - 125 mm
Sieving motion	throwing motion with angular momentum - 3D movement
Max. batch / feed capacity	15 kg
Max. number of fractions	11 / 8
Max. mass of sieve stack	50 kg
Amplitude	digital, 0 - > 2 mm
Time display	digital, 0 - 99 min
Interval operation	yes
Storable SOPs	1
Suitable for dry sieving	yes



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Suitable for wet sieving	yes
Serial interface	-
Suitable sieve diameters	400 mm / 450 mm
Max. height of sieve stack	830 mm
Clamping devices	"standard" (two models, one for dry, one for wet sieving)
Electrical supply data	different voltages
Power connection	1-phase
W x H x D	680 x 280 x 680 mm
Net weight	~ 140 kg
Standards	CE

Please note:

*depending on feed material and instrument configuration/settings

Function Principle

The AS 450 basic works with an electromagnetic drive. This drive produces a 3D throwing motion that moves the product to be sieved equally over the whole sieving surface. The advantage: high stress capacity, extremely smooth operation and short sieving times with high separation efficiency.