



SONIC SIFTER

General Information

The Sonic Sifter is a precision instrument for the rapid separation of a wide variety of dry particles and powders in the fine micron range.

It will successfully separate samples down to 5 micron in as little as one minute, sometimes less, with consistent repeatability.

Advantages

- Outstanding value
- Simple to operate
- Unique action
- Very quick cycle time - typically less than one minute
- Virtually no attrition of sample
- Virtually no screen wear
- Very quiet operation



Specifications

Range	5 μm - 2 mm
Sieving motion	ultrasonic vibrating
Max. number of fractions	1 - 6
Speed	3,000 min^{-1} at 50/60 Hz
Process time	0 - 119 min
Model	benchtop
Electrical supply	different voltages available
W x H x D	254 mm x 585 mm x 302 mm
Net weight	~ 16.8 kg
Standards	CE

Function

The Sonic Sifter sieving action, which can be varied for different densities and textures of material, is unique. A vertical column of air is created to oscillate through a sieve or set of sieves. The motion of the air alternately lifts the sample and then assists it through the sieve apertures. The oscillation amplitude is variable.

A vertical mechanical pulse may also be applied to the sieves at regular intervals to break down any clustered particles and help eliminate any blinding of the apertures.

An important feature of the Sonic Sifter is that it causes very little attrition of the sample and virtually no screen wear.