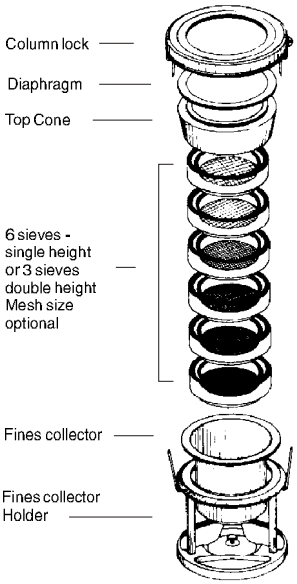
Sonic Sifter

Fast accurate separation down to 5 micron

- 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



Suitable Applications:

- Mortar
- Cement
- Medicine
- Food
- Soils
- Rocks
- Sands
- Chemicals
- Absorbents
- Talcum powder
- Industrial Diamonds
- Cleaning Equipment
- Engineering products
- Laboratory products
- Hospital products

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.

The sieving action, which can be varied for different densities and textures of material, is unique. A vertical column of air is made 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.

Sieve stacks must be made up to the height of six single sieves. Where less sieves or double sieves are used, spacers are provided.

SPECIFICATIONS

Height: 585 mm
Height with door open: 734 mm
Width: 254 mm
Depth: 302 mm
Unpacked Weight: 15.4kg
Packed Weight: 29kg
Power Supply: 230V 50Hz100VA
115V 60Hz 50VA
Other voltages on request

Sieves for the Sonic Sifter

Aperture	Standard Sieves	Special Sieves	Precision Sieves
	Fitted with stainless steel woven wire mesh Max six per column	Fitted with stainless steel woven wire mesh Double depth max three per column	Fitted with electroformed nickel plate Only one sieve per stack recommended
150 µm	O	-	O
125 µm	O	-	O
106 µm	O	-	-
105 µm	-	-	O
100 µm	-	-	O
95 µm	-	-	O
90 µm	O	-	O
85 µm	-	-	O
80 µm	-	-	O
75 µm	O	-	O
70 µm	-	-	O
65 µm	-	-	O
63 µm	O	-	-
60 µm	-	-	O
55 µm	-	-	O
53 µm	O	-	-
50 µm	-	-	O
45 µm	O	-	-
40 µm	-	-	O
38 µm	O	-	-
35 µm	-	-	O
32 µm	-	O	-
30 µm	-	-	O
25 µm	-	O	O
20 µm	-	O	O
15 µm	-	-	O
10 µm	-	-	O
5 µm	-	-	O