



Product Information



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 μ m - 5.60 mm
Sieving motion	sonic pulsing
Max. number of sieves	1 - 6
Speed	3,600 pulses / min at 50/60 Hz
Process time	0 - 99.9 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.

incl. order data

Sonic Sifter

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Subject to technical modifications and errors

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incl. digital timer, complete with column lock assembly

ZMSON-SON1	Sonic Sifter, 230 V, 50 Hz
ZMSON-SON1	Sonic Sifter, 110/120 V, 60 Hz

Spare parts

ZMSON-LOC1	Column lock
ZMSON-DIA1	Diaphragm
ZMSON-CON1	Top cone
ZMSON-SPA1	Standard spacer
ZMSON-COL1	Fines collector
ZMSON-HOL1	Fines collector holder
ZMSON-ASS1	Complete stack assembly

Test Sieves for Sonic Sifter

mm, mesh number, frame, mesh

003PFW5.60	5.60 mm, No. 3 1/2, perspex, stainless steel
003PFW4.75	4.75 mm, No. 4, perspex, stainless steel
003PFW4.00	4.00 mm, No. 5, perspex, stainless steel
003PFW3.35	3.35 mm, No. 6, perspex, stainless steel
003PFW2.80	2.80 mm, No. 7, perspex, stainless steel
003PFW2.36	2.36 mm, No. 8, perspex, stainless steel
003PFW2.00	2.00 mm, No. 10, perspex, stainless steel
003PFW1.70	1.70 mm, No. 12, perspex, stainless steel
003PFW1.40	1.40 mm, No. 14, perspex, stainless steel
003PFW1.18	1.18 mm, No. 16, perspex, stainless steel
003PFW1.00	1.00 mm, No. 18, perspex, stainless steel
003PFW.850	850 µm, No. 20, perspex, stainless steel
003PFW.710	710 µm, No. 25, perspex, stainless steel
003PFW.600	600 µm, No. 30, perspex, stainless steel
003PFW.500	500 µm, No. 35, perspex, stainless steel
003PFW.425	425 µm, No. 40, perspex, stainless steel
003PFW.355	355 µm, No. 45, perspex, stainless steel
003PFW.300	300 µm, No. 50, perspex, stainless steel
003PFW.250	250 µm, No. 60, perspex, stainless steel
003PFW.212	212 µm, No. 70, perspex, stainless steel
003PFW.180	180 µm, No. 80, perspex, stainless steel
003PFW.150	150 µm, No. 100, perspex, stainless steel
003PFW.125	125 µm, No. 120, perspex, stainless steel
003PFW.106	106 µm, No. 140, perspex, stainless steel





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003PFW.090	90 µm, No. 170, perspex, stainless steel
003PFW.075	75 µm, No. 200, perspex, stainless steel
003PFW.063	63 µm, No. 230, perspex, stainless steel
003PFW.053	53 µm, No. 270, perspex, stainless steel
003PFW.045	45 µm, No. 325, perspex, stainless steel
003PFW.038	38 µm, No. 400, perspex, stainless steel
003PFW.032	32 µm, No. 450, perspex, stainless steel
003PFW.025	25 µm, No. 500, perspex, stainless steel
003PFW.020	20 µm, No. 635, perspex, stainless steel
003PFM.150	150 µm, perspex, electro formed nickel plate
003PFM.125	125 µm, perspex, electro formed nickel plate
003PFM.105	105 µm, perspex, electro formed nickel plate
003PFM.100	100 µm, perspex, electro formed nickel plate
003PFM.095	95 µm, perspex, electro formed nickel plate
003PFM.090	90 µm, perspex, electro formed nickel plate
003PFM.085	85 µm, perspex, electro formed nickel plate
003PFM.080	80 µm, perspex, electro formed nickel plate
003PFM.075	75 µm, perspex, electro formed nickel plate
003PFM.070	70 µm, perspex, electro formed nickel plate
003PFM.065	65 µm, perspex, electro formed nickel plate
003PFM.060	60 µm, perspex, electro formed nickel plate
003PFM.055	55 µm, perspex, electro formed nickel plate
003PFM.050	50 µm, perspex, electro formed nickel plate
003PFM.045	45 µm, perspex, electro formed nickel plate
003PFM.040	40 µm, perspex, electro formed nickel plate
003PFM.035	35 µm, perspex, electro formed nickel plate
003PFM.030	30 µm, perspex, electro formed nickel plate
003PFM.025	25 µm, perspex, electro formed nickel plate
003PFM.020	20 µm, perspex, electro formed nickel plate
003PFM.015	15 µm, perspex, electro formed nickel plate
003PFM.010	10 µm, perspex, electro formed nickel plate
003PFM.005	5 µm, perspex, electro formed nickel plate

