



L3P SONIC SIFTER

Tried and true for 50 years, the world's ORIGINAL Sonic Sifter Separator, otherwise known as the L3P, has become the industry standard and the go-to technology for precision research and quality assurance applications.

Ideal for FINE particle separations between 5.6 mm to 3 µm

Clear acrylic framed sieves allow for a visual reference to determine proper power level and finish point

Dimensions 10" w x 12" d x 23" h (25 cm x 31 cm x 61 cm)
Weight 43 lbs. (20 kg) net

HOW IT WORKS

A low frequency audio signal is generated by a large speaker in the top of the sonic sifter. The signal hits a latex diaphragm on the top of the sieve stack, and causes oscillation. There is also a latex receiver at the base of the sieve stack, and the sieve stack is otherwise sealed, so the latex receiver also oscillates. The air in between the two latex components, therefore moves up and down, carrying the particles with it.

Producing results that are typically only achieved by wet sieving, this device uses specially designed 3" diameter clear sieves and an oscillating air column, created by a sonic wave, to separate fine particles. This technology dramatically shortens test times, is virtually maintenance free and produces consistent, accurate results.

NEW! VARISIFTER



The next generation sonic sifter. The VariSifter® is a top-of-the-line particle separator that generates the same repeatable and reproducible results as with the original L3P Sonic Separator but with upgraded features including adjustable frequency, multiple built-in tapping options, touch screen and a universal power converter.

The device uses 3" clear acrylic sieves that, with an oscillating air column created by a sonic wave accompanied by tapping actions, are capable of quickly achieving separations of particles ranging from 5.6 mm down to 3 µm. Whether this is the first time purchasing a sonic sifter or you have been using the technology for years, the VariSifter is the new standard in fine particle separation.

Dimensions 10" w x 12" d x 23" h (25 cm x 31 cm x 61 cm)
Weight 35 lbs. (16 kg) net

Two built-in Horizontal Tappers - 2 horizontal tapping mechanisms, may be turned on or off
 Frequency Control - Adjustable from 15 Hz up to 60 Hz

Accurate results and quick test times - Key-in testing with fully customizable variables

Internal universal power converter - Device can be used in any standard power environment 100vac to 240vac/50Hz or 60Hz

Touch Control Panel - Intuitive and easy to read touch monitor with dynamic Machine Status Indicator and clear visibility of your variables.

Vertical mechanical pulse shears agglomerates and reorients the particles in the air column

Each unit includes a complete Stack Assembly comprised of:
 1 Column Lock, 1 Diaphragm, 1 Top Cone, 6 Spacers, 1 Fines Collector and 1 Fines Collector Holder

QUICK QUOTE

ONLINE PRICING



QAQC LAB
 www.qclabequipment.com



3" DIAMETER CLEAR ACRYLIC SIEVES

SIEVES WITH ASTM E11 STAINLESS STEEL WIRE CLOTH

Outside Diameter = 3 1/2"
 Inside Diameter = 3" | Height = 5/8"

For use with VariSifter and L3P Sonic Separators

U.S. Standard Mesh Size	Opening Size	Part Number
# 3.5	5.60 mm	L3-S3.5
# 4	4.75 mm	L3-S4
# 5	4.00 mm	L3-S5
# 6	3.35 mm	L3-S6
# 7	2.80 mm	L3-S7
# 8	2.36 mm	L3-S8
# 10	2.00 mm	L3-S10
# 12	1.70 mm	L3-S12
# 14	1.40 mm	L3-S14
# 16	1.18 mm	L3-S16
# 18	1.00 mm	L3-S18
# 20	850 µm	L3-S20
# 25	710 µm	L3-S25
# 30	600 µm	L3-S30
# 35	500 µm	L3-S35
# 40	425 µm	L3-S40
# 45	355 µm	L3-S45
# 50	300 µm	L3-S50
# 60	250 µm	L3-S60
# 70	212 µm	L3-S70
# 80	180 µm	L3-S80
# 100	150 µm	L3-S100
# 120	125 µm	L3-S120
# 140	106 µm	L3-S140
# 170	90 µm	L3-S170
# 200	75 µm	L3-S200
# 230	63 µm	L3-S230
# 270	53 µm	L3-S270
# 325	45 µm	L3-S325
# 400	38 µm	L3-S400
# 450	32 µm	L3-S450
# 500	25 µm	L3-S500
# 635	20 µm	L3-S635



CENTER STACK COMPONENTS

