

Sonic Sifter Separator

For Laboratory Particle Size Analysis



A Powerful Tool: The Original Sonic Sifter Separator.

A superior sieving instrument, the Sonic Sifter Separator is precise, versatile and ideal for research and quality assurance applications.

Specially designed 3.5" (75mm) diameter acrylic-framed sieves and a patented oscillating air column allows this unit to achieve efficiencies previously seen only with wet sieving for materials in powdered, granular or pellet form — and is capable of achieving separations over the range of 3µm to 5.6mm.

The Sonic Sifter is virtually maintenance free. There's no screen wear or particle attrition. Particle separations can be accomplished in less than 10 seconds under favorable conditions. And testing times can be cut by up to 90%, compared to other methods.

With the Sonic Sifter:

- Action can be varied for different densities and textures.
- Automatic timing ensures repeatable results.
- Separated fractions of material are retrievable.
- All sieves can be conveniently direct-tared on conventional analytical balances.
- Special see-through acrylic-framed sieves help determine proper power level and finish point.
- Power level to separate particles is infinitely adjustable.
- A vertical, oscillating column of air "tries" the particles 60 times per second, and a vertical mechanical pulse shears agglomerates and reorients the particles in the air column.
- No horizontal scrubbing of the particles occurs as in standard sieve shakers.
- Operation requires a very short learning curve.
- There's no need for periodic adjustments or recalibration.
- Unit holds up to six standard sieves or three precision mesh, double height sieves.

Pricing

Model L3P (120vac, 60Hz)	\$6,395
Model L3P-15 (120vac, 50Hz)	6,395
Model L3P-25 (240vac, 50Hz)	6,395
Model L3P-26 (240vac, 60Hz)	6,395

Includes: Complete stack assembly, electrical line cord for operation and instruction manual. Sieves required for operation are not included, but can be ordered from the table on the other side.

Basic Specifications

■ Power Requirements

Model L3P	120 volts, 60 cycles
Model L3P-15	120 volts, 50 cycles
Model L3P-25	240 volts, 50 cycles
Model L3P-26	240 volts, 60 cycles
Consumption	100 Watts

■ Operating Ranges

Temperature	0° to 120° F (-18° C to 49° C)
Humidity	any (non-condensing)

For best results, temperature and humidity should be controlled.

■ Dimensions

Weight	43 lb (20 kg)
Cabinet	10"w x 12"d x 23"h 25 cm x 31 cm x 61 cm

■ Built-in digital timer

Warranty

- Limited one-year warranty on all units

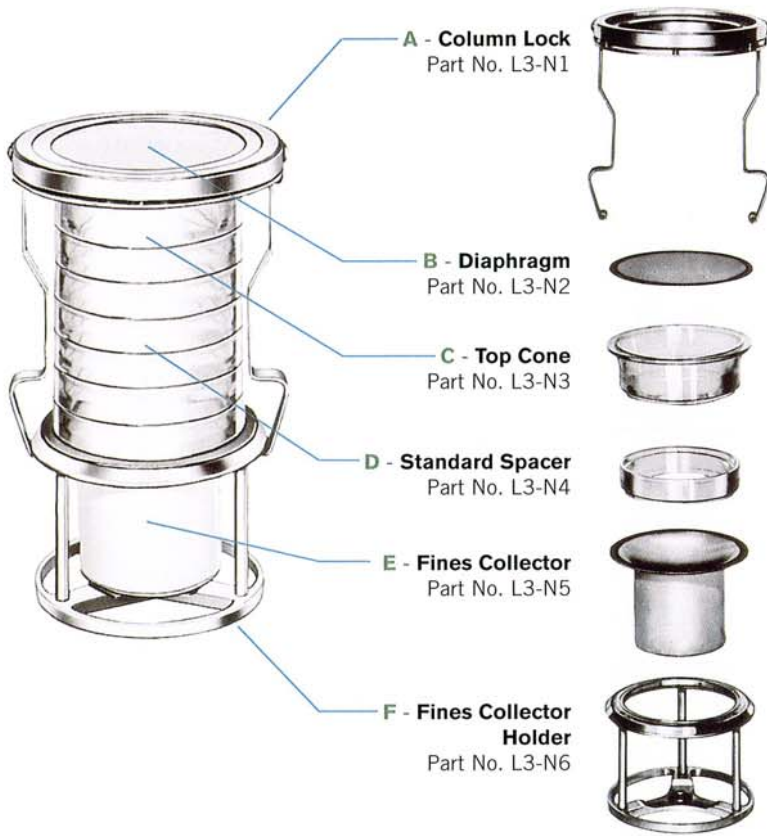


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Sonic Sifter Separator Accessories

For Laboratory Particle Size Analysis



Item	Description	Part Number	Unit Price
A	Column Lock	L3-N1	\$312.70
B	Diaphragm	L3-N2	38.16
C	Top Cone	L3-N3	22.26
D	Standard Spacer	L3-N4	14.84
E	Fines Collector	L3-N5	53.42
F	Fines Collector Holder	L3-N6	274.54
	Complete Stack Assembly*	L3-N7	699.60

*Includes column lock, diaphragm, top cone, six standard spacers, fines collector and fines collector holder.

U.S. Standard Sieves

3" (76.2 mm) Diameter

- U.S. Standard sieves listed meet the current sieve specifications of ASTM and ISO.
- Supplied with Certificate of Compliance to U.S. and International Standards.
- Available in stainless steel and brass mesh where noted.
- Clear acrylic frame dimensions: 3-1/2" O.D., 3" I.D. with an overall height of 5/8".

U.S. Sieve No.	Opening Size	Catalog Number		Unit Price
		Stainless Steel	Brass	
3.5	5.60mm	L3-S3.5	L3-B3.5	\$97.75
4	4.75mm	L3-S4	L3-B4	97.75
5	4.00mm	L3-S5	L3-B5	97.75
6	3.35mm	L3-S6	L3-B6	97.75
7	2.80mm	L3-S7	L3-B7	97.75
8	2.36mm	L3-S8	L3-B8	97.75
10	2.00mm	L3-S10	L3-B10	97.75
12	1.70mm	L3-S12	L3-B12	97.75
14	1.40mm	L3-S14	L3-B14	97.75
16	1.18mm	L3-S16	L3-B16	97.75
18	1.00mm	L3-S18	L3-B18	97.75
20	850µm	L3-S20	L3-B20	97.75
25	710µm	L3-S25	L3-B25	97.75
30	600µm	L3-S30	L3-B30	97.75
35	500µm	L3-S35	L3-B35	97.75
40	425µm	L3-S40	L3-B40	97.75
45	355µm	L3-S45	L3-B45	97.75
50	300µm	L3-S50	L3-B50	97.75
60	250µm	L3-S60	L3-B60	97.75
70	212µm	L3-S70	L3-B70	97.75
80	180µm	L3-S80	L3-B80	97.75
100	150µm	L3-S100	L3-B100	102.25
120	125µm	L3-S120	L3-B120	102.25
140	106µm	L3-S140	L3-B140	102.25
170	90µm	L3-S170	L3-B170	102.25
200	75µm	L3-S200	L3-B200	111.24
230	63µm	L3-S230	L3-B230	123.60
270	53µm	L3-S270	L3-B270	153.93
325	45µm	L3-S325	L3-B325	185.39
400	38µm	L3-S400	L3-B400	240.45
450	32µm	L3-S450	-	292.14
500	25µm	L3-S500	-	307.87
635	20µm	L3-S635	-	371.91

Precision Sieves

3" (76.2 mm) Diameter

- Precision sieves listed meet the current sieve specifications of ASTM E 161 and ISO.
- Electroformed nickel mesh.
- Clear acrylic frame dimensions: 3-1/2" O.D., 3" I.D. with an overall height of 1-1/4".

Sieve Opening	Catalog Number	Unit Price	Sieve Opening	Catalog Number	Unit Price
3µm	L3-M3	\$1,119.36	60µm	L3-M60	\$693.77
5µm	L3-M5	1,119.36	65µm	L3-M65	693.77
10µm	L3-M10	865.15	70µm	L3-M70	693.77
15µm	L3-M15	865.15	75µm	L3-M75	693.77
20µm	L3-M20	865.15	80µm	L3-M80	693.77
25µm	L3-M25	693.77	85µm	L3-M85	693.77
30µm	L3-M30	693.77	90µm	L3-M90	693.77
35µm	L3-M35	693.77	95µm	L3-M95	845.35
40µm	L3-M40	693.77	100µm	L3-M100	845.35
45µm	L3-M45	693.77	105µm	L3-M105	845.35
50µm	L3-M50	693.77	125µm	L3-M125	845.35
55µm	L3-M55	693.77	150µm	L3-M150	845.35

Prices effective January 1, 2009. This price list supercedes all previous price lists. All prices are FOB factory in New Berlin, Wisconsin, and are subject to change without notice.

The Model L3-N8 Horizontal Pulse Accessory

A must for accurate separations below 45µm, this electromechanical device eliminates agglomerates in extremely fine powders. A tapping action alternates on opposite sides of the screen frame to create a high speed shock wave, breaking down agglomerated materials and reintroducing near-sized particles back into the air stream, and then back onto the screening media.

(110 vac 50 or 60 HZ) \$795

Includes: Power supply with electrical line cord for 110 volt operation, machined pulse assembly designed to fit in the sieve stack of the Sonic Sifter Separator.

