

Sonic Sifter Separator

Separations in less than 10 seconds

- Perform particle separations as small as 3 µm—ideal for research and quality assurance applications
- Cut testing times by up to 90% compared to other methods

Using an oscillating air column, the sonic sifter quickly separates dry materials in powdered, granular, or pellet form. The unique oscillating air column eliminates screen wear and particle attrition and achieves efficiency normally seen only with wet sieving.

Power level is adjustable even as the test progresses, allowing you to customize your test for different material densities and textures. Digital timer provides precise operation.

Order sieves and horizontal pulse accessory separately below. Sonic sifter holds up to six standard sieves.



59948-00 shown with six sieves sold separately below



Power	Catalog number	Price
120 VAC, 60 Hz	GH-59948-00	
240 VAC, 50 Hz	GH-59948-05	

Accessories

Standard sieves with stainless steel mesh meet ASTM and ISO specifications and are supplied with a certificate of compliance. Sieves measure 3"ID x 7/8"H.

Sieve opening (mm)	US standard	Catalog number	Price
5.66	No. 3.5	GH-59948-20	
4.75	No. 4	GH-59948-21	
4.00	No. 5	GH-59948-22	
3.35	No. 6	GH-59948-23	
2.80	No. 7	GH-59948-24	
2.36	No. 8	GH-59948-25	
2.00	No. 10	GH-59948-26	
1.70	No. 12	GH-59948-27	
1.40	No. 14	GH-59948-28	
1.18	No. 16	GH-59948-29	
1.00	No. 18	GH-59948-30	
0.85	No. 20	GH-59948-31	
0.71	No. 25	GH-59948-32	
0.60	No. 30	GH-59948-33	
0.50	No. 35	GH-59948-34	
0.425	No. 40	GH-59948-35	
0.355	No. 45	GH-59948-36	
0.300	No. 50	GH-59948-37	
0.250	No. 60	GH-59948-38	
0.212	No. 70	GH-59948-39	
0.180	No. 80	GH-59948-40	
0.150	No. 100	GH-59948-41	
0.125	No. 120	GH-59948-42	
0.106	No. 140	GH-59948-43	
0.090	No. 170	GH-59948-44	
0.075	No. 200	GH-59948-45	
0.063	No. 230	GH-59948-46	
0.053	No. 270	GH-59948-47	
0.045	No. 325	GH-59948-48	
0.038	No. 400	GH-59948-49	
0.032	No. 450	GH-59948-50	
0.020	No. 500	GH-59948-51	

Vibro-Separators

Get effective separation of large batches

- Product contacts only polished stainless steel parts
- Provides noiseless, high-frequency vibrations for efficient sifting and particle separations

Quick-release clamps allow easy disassembly for cleaning and sifting different products. All parts that come in contact with product are made of polished stainless steel (SS). Basic model has springs and a support base of carbon steel; SS model is stainless steel throughout.



REQUIRED System Components

- 1) Separator
- 2) Screen assembly
- 3) Mesh screens

1. Separators

Power	Shpg wt lb (kg)	Catalog number	Price
Stationary basic separators			
115 VAC, 60 Hz	140 (63.5)	GH-59998-00	
230 VAC, 50 Hz		GH-59998-05	
Portable stainless steel separators			
115 VAC, 60 Hz	160 (72.6)	GH-59998-30	
230 VAC, 50 Hz		GH-59998-35	

2. Screen Assembly

Customize your sieve shaker by choosing an attached screen assembly mounted to the upper frame housing made of stainless steel. Screen assembly does not include mesh screen; supply your own, or order below.

[GH-59998-54](#) Screen assembly, attached

[GH-59998-52](#) Cover without inlet for dustproof operations

3. Mesh Screens

Sieve opening (mm)	US standard	Tyler standard	Stainless steel	
			Catalog number	Price
4.75	No. 4	4 mesh	GH-59979-40	
4.00	No. 5	5 mesh	GH-59979-41	
3.35	No. 6	6 mesh	GH-59979-42	
2.8	No. 7	7 mesh	GH-59979-43	
2.36	No. 8	8 mesh	GH-59979-44	
2.00	No. 10	9 mesh	GH-59979-45	
1.70	No. 12	10 mesh	GH-59979-46	
1.40	No. 14	12 mesh	GH-59979-47	
1.18	No. 16	14 mesh	GH-59979-48	
1.00	No. 18	16 mesh	GH-59979-49	
0.850	No. 20	20 mesh	GH-59979-50	
0.710	No. 25	24 mesh	GH-59979-51	
0.600	No. 30	28 mesh	GH-59979-52	
0.500	No. 35	32 mesh	GH-59979-53	
0.425	No. 40	35 mesh	GH-59979-54	
0.355	No. 45	42 mesh	GH-59979-55	
0.300	No. 50	48 mesh	GH-59979-56	
0.250	No. 60	60 mesh	GH-59979-57	
0.212	No. 70	65 mesh	GH-59979-58	
0.180	No. 80	80 mesh	GH-59979-59	
0.150	No. 100	100 mesh	GH-59979-60	
0.125	No. 120	115 mesh	GH-59979-61	
0.106	No. 140	150 mesh	GH-59979-62	
0.090	No. 170	170 mesh	GH-59979-63	
0.075	No. 200	200 mesh	GH-59979-64	
0.063	No. 230	250 mesh	GH-59979-65	
0.053	No. 270	270 mesh	GH-59979-66	
0.045	No. 325	325 mesh	GH-59979-67	
0.038	No. 400	400 mesh	GH-59979-68	