



SIKTEMASKIN AS 450 BASIC

This sieve shaker covers a size range from 25 µm to 125 mm and accepts loads of up to 15 kg. Time and amplitude are digitally set which ensures reproducibility of the sieving process

The AS 450 basic is suitable for dry and wet sieving. It is the economic solution for users who need to sieve larger quantities of dry material with reliable results.



FORDELER

- | suitable for dry and wet sieving
- | effektiv separering med kort siktetid
- | efficient electromagnetic drive
- | 3-D throwing motion which ensures optimum use of the open sieve area and lets the sample move equally over the whole sieving surface
- | up to 12 fractions in one sieving operation
- | digital forhåndsinnstilling med regulert amplitude
- | mobile operation panel for comfortable, intuitive handling
- | maintenance-free
- | enkel betjening, ergonomisk design
- | robust steel housing

WET SIEVING WITH VIBRATORY SIEVE SHAKERS

There are many applications for which wet sieving is the best solution, e.g. when the material to be tested is a suspension or when a very fine sample ($< 45 \mu\text{m}$) that tends to agglomerate needs to be sieved. All vibratory sieve shakers from RETSCH can be used for wet sieving. There are special accessories like clamping lids with spray nozzle and collecting pans with outlet available. By placing RETSCH's venting rings between the sieves, air cushions can expand without letting liquid or sample material escape.



SIKTEMASKIN AS 200 CONTROL

ACCESSORIES & OPTIONS

RETSCH sieve shakers can be equipped with a variety of accessories to meet a wide range of application requirements.



| Clamping units

With the RETSCH clamping devices the sieves are clamped safely, quickly and conveniently on the sieve shaker. The clamping devices "comfort" are particularly user-friendly and timesaving.



| Accessories for test sieves

Collecting pans, intermediate pans, intermediate rings and sieve lids.

| Accessories for wet sieving

Clamping lid with nozzle, collecting pans with outlet, venting rings.

| Sieving Aids

Chain rings, brushes, cubes, balls (e.g. for reducing agglomerations when sieving particles < 100 µm and keeping the mesh free).



| IQ/OQ Documents

We provide IQ/OQ documentation for the „control“ sieve shakers to support IQ/OQ certification by our customers.



| Sample Dividers

Meaningful results can only be obtained if the sample represents the original material. Sample dividers produce representative part samples, thus ensuring reproducibility of the analysis.

| Ultrasonic baths and dryers

Suitable for thorough cleaning of test sieves and for quick, gentle drying of samples and sieves.

RETSCH TEST SIEVES AND ACCESSORIES - ENGINEERED FOR SUPERIOR PERFORMANCE

PROGRAMVARE FOR EVALUERING – EASY SIEVE

EasySieve, the software for particle size analyses, exceeds manual evaluation in many aspects. The software is able to automatically control the necessary measurement and weighing procedures – from the registration of the weight of the sieve up to the evaluation of the data. It is simple and convenient to use and is also available in an FDA 21 CFR Part 11-conform version.



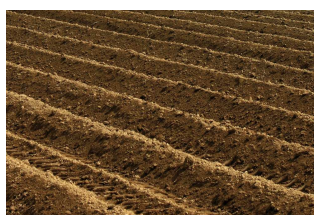
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TYPICAL SAMPLE MATERIALS

RETSCH's vibratory sieve shakers are ideally suited for separation, fractioning and particle size determination of cement clinker, chemicals, coal, coke, construction materials, fillers, minerals, ores, plastics, sand and soils.



gjødsel



soil



kornprodukter



byggematerialer

To find the best solution for your sample preparation task, visit our application database.

VIRKEMÅTE

The AS 450 basic works with an electromagnetic drive. This drive produces a 3D throwing motion that moves the product to be sieved equally over the whole sieving surface. The advantage: high stress capacity, extremely smooth operation and short sieving times with high separation efficiency.



[Click to view video](#)

SIKTEMASKIN AS 450 BASIC

TECHNICAL DATA

funksjon	separering, fraksjonering, bestemmelse av partikkelstørrelse
bruksområde	byggematerialer, geologi / metallurgi, glass / keramikk, kjemi / plast, maskinbygging / elektroteknikk, miljø / gjenvinning
matemateriale	pulver, massegoods
måleområde*	25 µm - 125 mm
bevegelse av siktematerialet	kastebevegelse med rotasjonsimpuls – 3D-bevegelse
maksimal ladning / siktemateriale	15 kg
maksimalt antall fraksjoner	12 / 8*
maksimal vekt på siktematerialet	50 kg
amplitude	digital, 1 - 100% in 10 steps (0 - 2 mm)
tidsvisning	digital, 0 - 99 min
intervalldrift	ja
SOPer som kan lagres	1
egnet for tørrsikting	ja
egnet for våtsikting	ja
serielt brukergrensesnitt	-
egnede siktediametre	400 mm / 450 mm
maksimal høyde på siktematerialet	830 mm
Klemmeinnretninger	standard (two models, one for dry, one for wet sieving)
Elektriske tilkoblingsdata	ulike spenninger
Nettilkobling	1-fase
b x h x d	680 x 280 x 680 mm
nettovekt	~ 112 kg
Normer / standarder	CE

depending on sieve height and clamping unit

[/as450basic](#)

BESTILLINGSINFO

VIBRATORY SIEVE SHAKERS AS 450

Vibratory Sieve Shakers AS 450 for test sieves up to 450 mm / 18" Ø
(please order clamping device, test sieves and collecting pan separately)

30.029.0001



AS 450 230 V, 50 Hz
basic

other electrical versions available for the same price

CLAMPING DEVICES AS 450

AS 450 BASIC

32.662.0020



Clamping device "standard", for test sieves 400/450 mm Ø

32.662.0033

Wet sieving clamping device "standard", for test sieves 400/450 mm Ø

SIEVE STACKS AS 450

60.166.000998

Sieve stack consisting of 10 test sieves (ISO 3310-1), 400 mm Ø, 65 mm height (63 µm, 125 µm, 250 µm, 500 µm, 1 mm, 2 mm, 4 mm, 8 mm, 16 mm, 31.5 mm) and collecting pan

60.168.000999

Sieve stack consisting of 7 test sieves (ISO 3310-1), 450 mm Ø, 100 mm height (63 µm, 125 µm, 250 µm, 500 µm, 1 mm, 2 mm, 4 mm) and collecting pan

60.167.000998

Sieve stack consisting of 10 test sieves (ASTM E11), 400 mm Ø, 65 mm height, (230 mesh, 120 mesh, 60 mesh, 35 mesh, 18 mesh, 10 mesh, 5 mesh, 5/16", 5/8", 1.1/4") and collecting pan

60.169.000999

Sieve stack consisting of 7 test sieves (ASTM E11), 450 mm Ø, 100 mm height (230 mesh, 120 mesh, 60 mesh, 35 mesh, 18 mesh, 10 mesh, 5 mesh) and collecting pan

ACCESSORIES FOR TEST SIEVES (PANS, RINGS, LIDS)

FOR TEST SIEVES 400 MM Ø

60.010.000400



Collecting pan, stainless steel, 400 mm Ø, height 65 mm

60.220.000400  Intermediate pan, stainless steel, 400 mm Ø, height 65 mm

60.935.000400  Intermediate ring, stainless steel, 400 mm Ø, height 65 mm

60.107.000400  Sieve lid, stainless steel, 400 mm Ø

05.114.0048  O-ring for test sieves, 400 mm Ø

FOR TEST SIEVES 450 MM Ø

60.010.000450  Collecting pan, stainless steel, 450 mm Ø, height 50 mm

60.220.000450  Intermediate pan, stainless steel, 450 mm Ø, height 100 mm

60.935.000450  Intermediate ring, stainless steel, 450 mm Ø, height 100 mm

69.545.0050  Sieve lid, stainless steel, 450 mm Ø

05.114.0012  O-ring for test sieves, 450 mm Ø

TEST SIEVES Ø 450 MM - 100 MM HEIGHT - ISO 3310/1 - STAINLESS STEEL /WIRE GAUZE

	# mm	# mesh no.	Ø	height	standard
60.168.000036	36 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000038	38 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000040	40 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000045	45 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000050	50 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000053	53 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000056	56 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000063	63 µm	-	450 mm	100 mm	ISO 3310/1

60.168.000071	71 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000075	75 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000080	80 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000090	90 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000100	100 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000106	106 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000112	112 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000125	125 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000140	140 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000150	150 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000160	160 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000180	180 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000200	200 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000212	212 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000224	224 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000250	250 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000280	280 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000300	300 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000315	315 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000355	355 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000400	400 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000425	425 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000450	450 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000500	500 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000560	560 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000600	600 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000630	630 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000710	710 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000800	800 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000850	850 µm	-	450 mm	100 mm	ISO 3310/1
60.168.000900	900 µm	-	450 mm	100 mm	ISO 3310/1

60.168.001000	1.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001120	1.12 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001180	1.18 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001250	1.25 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001400	1.40 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001600	1.60 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001700	1.70 mm	-	450 mm	100 mm	ISO 3310/1
60.168.001800	1.80 mm	-	450 mm	100 mm	ISO 3310/1
60.168.002000	2.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.002240	2.24 mm	-	450 mm	100 mm	ISO 3310/1
60.168.002360	2.36 mm	-	450 mm	100 mm	ISO 3310/1
60.168.002500	2.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.002800	2.80 mm	-	450 mm	100 mm	ISO 3310/1
60.168.003150	3.15 mm	-	450 mm	100 mm	ISO 3310/1
60.168.003350	3.35 mm	-	450 mm	100 mm	ISO 3310/1
60.168.003550	3.55 mm	-	450 mm	100 mm	ISO 3310/1
60.168.004000	4.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.004500	4.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.004750	4.75 mm	-	450 mm	100 mm	ISO 3310/1
60.168.005000	5.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.005600	5.60 mm	-	450 mm	100 mm	ISO 3310/1
60.168.006300	6.30 mm	-	450 mm	100 mm	ISO 3310/1
60.168.006700	6.70 mm	-	450 mm	100 mm	ISO 3310/1
60.168.007100	7.10 mm	-	450 mm	100 mm	ISO 3310/1
60.168.008000	8.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.009000	9.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.009500	9.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.010000	10.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.011200	11.20 mm	-	450 mm	100 mm	ISO 3310/1
60.168.012500	12.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.013200	13.20 mm	-	450 mm	100 mm	ISO 3310/1

60.168.014000	14.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.016000	16.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.018000	18.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.019000	19.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.020000	20.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.022400	22.40 mm	-	450 mm	100 mm	ISO 3310/1
60.168.025000	25.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.026500	26.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.028000	28.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.031500	31.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.035500	35.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.037500	37.50 mm	-	450 mm	100 mm	ISO 3310/1
60.168.040000	40.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.045000	45.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.050000	50.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.053000	53.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.056000	56.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.063000	63.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.071000	71.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.075000	75.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.080000	80.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.090000	90.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.100000	100.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.106000	106.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.112000	112.00 mm	-	450 mm	100 mm	ISO 3310/1
60.168.125000	125.00 mm	-	450 mm	100 mm	ISO 3310/1