



TAP SIEVE SHAKER AS 200 TAP

The RETSCH AS 200 tap is suitable for dry sieving with test sieves of 200 mm or 8" diameter. The combination of horizontal, circular sieving motions with vertical taps reproduces the principle of hand sieving. The uniform mechanical action ensures reliable and reproducible measurement results.

This special type of sieving motion used by the AS 200 tap is specified in various standards for particle size analysis of materials such as activated carbon, diamonds, spices, metal powders, abrasives or cement. Operating the AS 200 tap is exceptionally easy and safe. The integrated clamping device allows for sieve stacks with up to 7 or 13 fractions, depending on the height of the sieve frame. The sieving time is set from 1 to 99 minutes via a digital display. The number of rotations and taps is fixed; the tapping motion can be deactivated, if required. A safety switch and an anti-trap protection provide maximum safety. Thanks to an integrated interface, the AS 200 tap can be controlled with the evaluation software EasySieve®.



ACCURACY & EFFICIENCY

- | Sieving with circular motion and vertical taps according to standards
- | Measuring range 20 µm to 25 mm
- | For 200 mm / 8" sieves
- | Sieve stack up to 350 mm
- | Digital time setting
- | Integrated interface
- | Suitable for dry sieving

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ACCESSORIES & OPTIONS

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



| Accessories for test sieves

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

| 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

EASYSIEVE / EASYSIEVE CFR EVALUATION SOFTWARE

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 Analytical Sieve Shaker AS 200 tap is ideally suited for separation, fractioning and particle size determination of abrasives, charcoal, cement, coal, diamonds and spices.



sand



diamonds



coal



spices

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

FUNCTIONAL PRINCIPLE

In the AS 200 tap, mechanical action is applied to the test sieves in two dimensions. In addition to a horizontal circular motion with 280 oscillations, a vertical tapping motion with 150 taps per minute helps the particles to pass the sieve apertures. This combination of sieving motions simulates hand sieving. The number of oscillations and taps is independent of the power frequency which makes the sieving results of the AS 200 tap comparable world wide.

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TECHNICAL DATA

Applications	separation, fractioning, particle size determination
Field of application	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	powders, bulk materials
Measuring range*	20 µm - 25 mm
Sieving motion	horizontal circular motion with taps
Max. batch / feed capacity	3 kg
Max. number of fractions	7 / 13
Max. mass of sieve stack	6 kg
Speed	280 min ⁻¹
No. of taps	150 min ⁻¹
Time display	digital, 1 - 99 min
Suitable for dry sieving	yes
Suitable for wet sieving	no
Serial interface	yes
Including test certificate / can be calibrated	no
Suitable sieve diameters	200 mm / 203 mm (8")
Max. height of sieve stack	380 mm
Protection code	IP 40
Electrical supply data	different voltages
Power connection	1-phase
Power consumption	315 VA
W x H x D	700 x 640 x 450 mm / with sound enclosure cabinet: 700 x 670 x 520 mm
Net weight	~ 68 kg / with sound enclosure cabinet: ~ 92 kg

*depending on feed material and instrument configuration/settings

www.retsch.com/as200tap

ORDER DATA

TAP SIEVE SHAKER AS 200 TAP

Tap Sieve Shaker AS 200 tap for test sieves 200 mm / 203 mm (8") Ø, incl. sieve lid and EasySieve evaluation software (please order test sieves and collecting pan separately)

30.025.1001		AS 200 tap	230 V, 50 Hz	incl. sound-enclosure cabinet, conforms with CE standards
30.025.0001		AS 200 tap	230 V, 50 Hz	

other electrical versions available for the same price

SIEVE STACKS AS 200 TAP

60.131.000998		Sieve stack consisting of 6 test sieves (ISO 3310-1), 200 mm Ø, 50 mm height (63 µm, 125 µm, 250 µm, 500 µm, 1 mm, 2 mm) and collecting pan
60.150.000998		Sieve stack consisting of 6 test sieves (ASTM E11), 203 mm (8") Ø, 50 mm (2") height (230 mesh, 120 mesh, 60 mesh, 35 mesh, 18 mesh, 10 mesh) and collecting pan

ADDITIONAL ITEMS AS 200 TAP

22.783.0001		Ball-pan hardness test kit acc. to ASTM D3802-79
99.200.0021		IQ/OQ Documentation for AS 200 tap
FOR TEST SIEVES 200 MM Ø, HEIGHT 50 MM		
69.720.0050		Collecting pan stainless steel 200 mm Ø height 50 mm
FOR TEST SIEVES 200 MM Ø, HEIGHT 25 MM		
69.720.0025		Collecting pan, stainless steel, 200 mm Ø, height 25 mm

FOR TEST SIEVES 203 MM Ø / 8" Ø, HEIGHT 2"

69.720.3050



Collecting pan, stainless steel, 8" Ø, height 2"

FOR TEST SIEVES 203 MM Ø / 8" Ø, HEIGHT 1"

69.720.3025



Collecting pan, stainless steel, 8" Ø, height 1"