

TAP SIEVE SHAKER AS 200 TAP

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The **analytical sieve shaker** AS 200 tap is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring.
Its tapping motion supports the **sieve analysis of certain products** such as activated carbon, abrasives, metal powder, spices and diamonds, **as specified in the corresponding standards.**

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PRODUCT ADVANTAGES

- horizontal circular sieving motion with vertical taps
- maintenance-free
- suitable for dry sieving
- excellent separation efficiency even with short sieving times
- sieve stack up to 350 mm height
- digital time setting
- easy operation, ergonomic design
- incl. software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- fulfils all criteria for measuring equipment related to ISO 9001

APPLICATION EXAMPLES

abrasives, cement, charcoal, coal, diamonds, spices, ...

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

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FEATURES

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 50
Electrical supply data	different voltages
Power connection	1-phase
Power consumption	180 W
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

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FUNCTIONAL PRINCIPLE

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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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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”

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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”

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