

Horizontal Sieve Shaker AS 400 control

General Information

The analytical sieve shaker AS 400 control is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring.

The AS 400 control is used for the sieving of dry goods with test sieves of a diameter up to 400 mm. In this, the uniform, horizontal circular motion ensures exact separation of fine and coarse-grained products.

With its all-digital controls and calibration certificate the AS 400 control is indispensable for all users who attach importance to precision and operational convenience and need to comply with the guidelines of the ISO 9001.



Application Examples

construction materials, ground corn, plastics, sand, splints

Product Advantages

- sieving with circular sieving motion according to DIN 53477
- excellent separation efficiency even with short sieving times
- sieve stack up to 510 mm height
- free digital adjustment of all process parameters (time, speed or sieve acceleration, interval)
- memory for up to 9 SOPs
- interval operation
- optional software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- fulfils all criteria for measuring equipment related to ISO 9001
- maintenance-free
- easy operation, ergonomic design

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*	45 µm - 63 mm
Sieving motion	horizontal circular motion
Max. batch / feed capacity	5 kg
Max. number of fractions	7 / 9 / 17

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Max. mass of sieve stack	15 kg
Speed	digital, 50 - 300 min ⁻¹
Time display	digital, 1 - 99 min
Interval operation	1 - 10 min
Storable SOPs	9
Suitable for dry sieving	yes
Suitable for wet sieving	-
Serial interface	yes
Including test certificate / can be calibrated	yes
Suitable sieve diameters	100 mm / 150 mm / 200 mm / 203 mm (8") / 305 mm / 315 mm / 400 mm
Max. height of sieve stack	510 mm
Clamping devices	"standard", "comfort", each for dry sieving
Protection code	IP 54 / IP 20
Electrical supply data	100-240 V, 50/60 Hz
Power connection	1-phase
W x H x D	540 x 260 x 507 mm
Net weight	~ 70 kg
Standards	CE

Please note:

*depending on feed material and instrument configuration/settings

Function Principle

The base plate of the AS 400 control performs horizontal circular motions with a radius of 15 mm (according to DIN 53477). The speed of 50 to 300 rpm is electronically controlled. It is continuously adjustable to meet the requirements of the product to be sieved. The actual value of the number of revolutions is digitally displayed. The base plate is driven by a robust, maintenance-free drive motor with a power of 125 Watt. The power is transmitted via an eccentric.



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