



SIEBTECHNIK TEMA



Airjet screen SLS 200

Airjet screen SLS 200

The new SLS 200 for fast, precise and reproducible particle size analysis of all dry screened materials in the laboratory and in production monitoring.

With an analysis range from approx. 20 to 4000 µm, for sample quantities of up to approx. 500 g, depending on material density.

The air jet necessary for the exceptionally good dispersion, is generated by a vacuum cleaner and directed through the slotted nozzle rotating below the analytical sieve surface.

In order to reduce the screening time and to achieve more precise screening, the shape of the slot nozzle has been lengthened and extended with an additional edge dispersion, which ensures a double loosening of the edge area with each revolution and thus a faster screening result compared to conventional nozzles.



Ionization unit

SLS 200 with glass cover



SLS 200 with 400 mm sieve adapter and air pre-warming device

The fines are drawn through the sieve openings into the container of the vacuum unit and collected. The vacuum required for this as well as the screening time can be preset via the app and can be saved using SOPs.

With the stainless steel housing and the stainless steel intake of the screen, the unit can withstand even the toughest applications.

The airjet screen is simple and intuitive to operate via an app.

◆ Innovative app control

- Standard Operating Procedures (SOP), formula management
- Display of grain size distributions (Rosin-Rammler and linear diagram)
- Coupling of analytical balances with optional RS 232 dongle
- Accessing the operating instructions

◆ Automatic vacuum control

◆ USB connection

◆ Optional ionization unit

for avoiding/reducing agglomerate formation during screening, especially of plastics, due to electrostatic charging.

◆ Optional air pre-warming

for avoiding/reducing water absorption of hygroscopic substances during screening.

◆ Suitable accessories

- Vacuum unit
- Mobile supports with and without sound absorbing housing for the vacuum unit
- Cyclone
- Adapter set for holding sieves of diameter 400 mm, for screening larger quantities



Adapter for seven screens of diameter 100 mm



Cyclone

Technical data

Airjet screen	SLS 200	
Dimensions (W x H x D)	mm	326 x 276 x 468
Weight	kg	22
Nominal diameter of analysis screens	mm	200 (optional 100 & 400 mm)
Measurement range	µm	20 - 4000
Slot nozzle drive		AC gear motor, 22 rpm
Operating voltage		110 V - 230 V, 1/N/PE, 50/60 Hz

Mains power connection, vacuum cleaner connection exhausting socket and appliance socket for the vacuum cleaner are located at the rear. Subject to technical changes.

One Solution. Worldwide.



SIEBTECHNIK TEMA provides more than 50 local support offices worldwide as well as main sites located in:

Mülheim an der Ruhr, Germany | Rijswijk / The Hague, The Netherlands | Madrid, Spain
Daventry, Great Britain | Mundolsheim, France | Sydney & Perth, Australia | Cincinnati, USA
Tianjin, China | Moscow, Russia

We are experts in the field of solid-liquid separation and the processing of bulk materials

Automation | Channel conveyors | Crushing & Milling Equipment | Control Screening Machines
Decanter | Dryers | Laboratory Equipment | Pneumatic Tube Systems | Preparation Systems
Process Equipment | Pulsator Jigs | Pusher Centrifuges | Sampling Systems | Screening
Machines | Screen Worm Centrifuges | Sliding Centrifuges | Vibrating Centrifuges