



QAQC LAB

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AIR JET SIZER 200 & PREMIUM AIR JET SIEVE

The Air Jet Sizer 200 has been designed for sieving very fine dry particles, which require efficient dispersion and deagglomeration via air jet technology (e.g. difficult to sieve particles like electrostatic material). It is also the perfect instrument to quickly provide a sieve cut of powdered materials.

Most sieving operations on the Air Jet Sizer take only a matter of minutes. Useful functions including the ability to regulate the level of vacuum, and constant or timed operation help to achieve optimum performance. The Air Jet Sizer 200 is easy to use, extremely efficient and provides accurate and reproducible results.



The Premium Air Jet Sieves are specially designed for the use with the Endecotts Air Jet Sizer 200 and other brands. They are available in stainless steel frame and 8" diameter (203 mm) in an extensive range of aperture sizes to ASTM E11 and to ISO 3310-1.



AIR JET SIZER 200

Most efficient particle sizing in the micron range

Suitable for 8" (203 mm)
Premium Air Jet Sieves

Advanced air jet
technology for dry
materials from
20 μm upwards

Pre-filter unit &
industrial vacuum
available as
accessories

Digital controls for
easy and reliable
operation

Adjustable nozzle
speed, 5 - 55 rpm

Maintenance-free

Voltage-
independent



QUICK QUOTE

Air Sizer 200

The new Air Sizer 200 is ideal for sieving very fine dry particles, which require efficient dispersion and desagglomeration via air jet technology (e.g. electrostatic material).

It is also the perfect instrument to quickly provide sieving of powdered materials.

The Air Sizer 200 is only compatible with the "Premium" air jet sieves.

Advantages

- Advanced air jet technology for fine particles, usable for dry material of 20 µm upwards
- Adjustable nozzle speed, 5 - 55 rpm
- Extremely efficient & fast sieving times
- Sieving action keeps apertures clear
- Air flow fluidises and helps to separate sample
- Ideal for electrostatic materials
- Pre filter unit & industrial vacuum available as accessories
- Maintenance-free



Specifications	Air Sizer 200
Range	20 µm - ~ 4 mm
Drive / sieving motion	dispersion by air jet
Number of fractions	1
Speed	5 - 55 rpm (nozzle speed)
Time display	digital, 0:10-99:50 min:sec
Vacuum	20 - 99 mbar
Suitable for dry sieving	yes
Suitable for wet sieving	-
Sieve diameter	suitable for 8" "premium" air jet sieves
Max. height of sieve stack	1 sieve
Accessories	pre filter unit / industrial vacuum
Model	benchtop
Protection code	IP 40
Electrical supply	100 - 240 V , 50/60Hz
Power connection	1 - phase
W x H x D	450 x 235 x 435 mm
Net weight	~ 16 kg

Function

An Endecotts "Premium" air jet sieve of the appropriate aperture size is placed in the airtight mounting plate bracket and a lid is placed on top of the sieve.

Vacuum is applied to the chamber beneath the sieve drawing air out of the sieve through the apertures and carrying with it any undersize particles.

To create a continuous flow, positive pressure air is drawn into the sieve through a channel in a rotating arm placed immediately below the microplate or sieve mesh. The incoming air creates a wave within the sample helping to fluidise the sample and clear any blocked apertures. Any undersize sample is discharged into the vacuum unit.