

Air Jet Sizer

One of the most economic and efficient methods of sizing particles in the micron range

- Extremely efficient
- Fast sieving times
- Suitable for dry material of 20 µm upward
- Sieving action keeps apertures clear
- Air flow fluidises and helps to separate sample
- Ideal for electrostatic materials
- Variable vacuum control
- Safety micro-switch

Most sieving operations on the Airjet 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 Airjet Sizer is ideal for sieving difficult and very fine dry particles from 20 µm upward. It is easy to use, extremely efficient and provides accurate reproducible results.

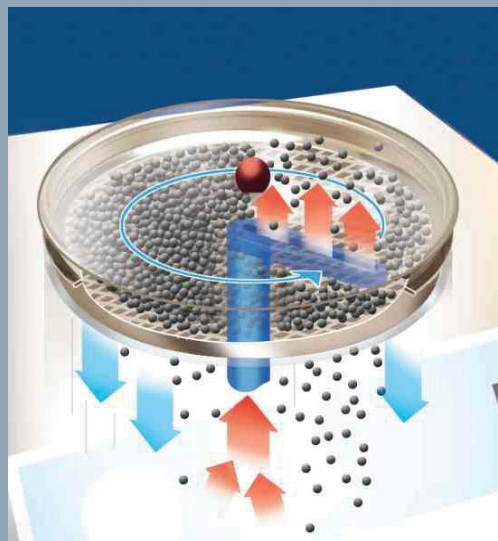
The Airjet Sizer is supplied complete with its own separate vacuum source which connects to the back of the sizer. Electrical power for the vacuum unit is supplied by a connector on the Airjet Sizer enabling a single on/off switch to supply power to both units.

A safety microswitch on the Airjet Sizer ensures that the unit can not operate unless a sieve is in place on the sieve mount plate.



OPERATION

An Endecotts Airjet sieve of the appropriate aperture size is placed in the airtight mounting plate bracket and a sealed 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. Undersize sample is discharged into the vacuum unit.



SPECIFICATIONS

Dimensions: 345 mm x 375 mm x 295 mm (W x D x H)
 Weight: 12kg
 Air volume: 480 litres/min (Maximum)
 Air pressure: Adjustable from 10-85 millibar (negative pressure)
 Timer range: 0 - 10 mins
 Sieve diameter: 200 mm Airjet sieves available through Endecotts
 Aperture range: 20 µm - 1 mm
 Operating voltage: 220 - 240V 50/60Hz
 Power consumption: 25VA plus
 Extraction units are available on request