

## AIR JET SIEVING MACHINE AS 200 JET



The new **Air Jet Sieve AS 200 jet** is particularly suitable for **sieve cuts of powdered materials which require efficient dispersion and deagglomeration**. The option to store up to 10 SOPs and the automatic vacuum regulator (accessory) guarantees **reproducible and meaningful results**.

Innovative features such as the **Open Mesh function**, the **selection of the nozzle speed** as well as **optional use of standard 2" high test sieves** perfects the new air jet technology.

### APPLICATION EXAMPLES

Toner particles, ceramics, chemical products, cosmetics, food, minerals, pharmaceutical materials, pigments, plastics, powder coating, rubber, washing powder, ...

## PRODUCT ADVANTAGES

- | sieving with air jet technology for dispersion and desagglomeration of fine powders
- | Open Mesh Function to reduce the number of near-mesh particles
- | high flexibility through adjustable nozzle speed
- | operation with standard Retsch sieves, 203 mm (8")Ø or 200 mm Ø (with adapter), 1" or 2" high
- | free manual (standard) or automatic (accessory) pressure regulation
- | optional software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- | free digital adjustment of all process parameters (time, vacuum, speed)
- | additional Quick Start mode
- | silent operation due to integrated silencer
- | collection of two fractions possible by use of cyclone
- | air jet produced by a powerful industrial vacuum cleaner
- | fulfils all criteria for measuring equipment related to ISO 9001
- | easy operation, ergonomic design
- | maintenance-free
- | memory for up to 9 SOPs

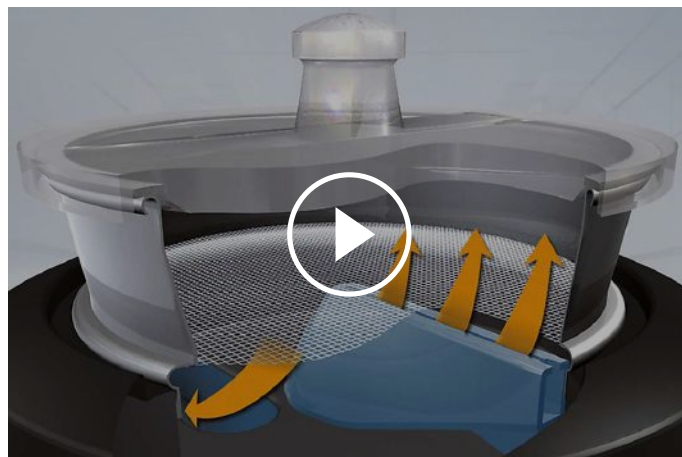
## FEATURES

|                                                       |                                                                                                                                                 |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                                   | separation, fractioning, particle size determination                                                                                            |
| <b>Field of application</b>                           | chemistry / plastics, construction materials, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals |
| <b>Feed material</b>                                  | powders                                                                                                                                         |
| <b>Measuring range*</b>                               | 10 µm - ~ 4 mm                                                                                                                                  |
| <b>Sieving motion</b>                                 | dispersion by air jet                                                                                                                           |
| <b>Max. batch / feed capacity</b>                     | 0.3 - 100 g                                                                                                                                     |
| <b>Max. number of fractions</b>                       | 1 (by using a cyclone: 2)                                                                                                                       |
| <b>Speed</b>                                          | digital, 5 - 55 min <sup>-1</sup> (nozzle)                                                                                                      |
| <b>Time display</b>                                   | digital, 00:01 - 99:59 min                                                                                                                      |
| <b>Interval operation</b>                             | no                                                                                                                                              |
| <b>Vacuum</b>                                         | 2,000 - 9,999 Pa / 20 - 99 mbar / 0.3 – 1.45 psi                                                                                                |
| <b>Storable SOPs</b>                                  | 9 / Quick Start mode                                                                                                                            |
| <b>Suitable for dry sieving</b>                       | yes                                                                                                                                             |
| <b>Suitable for wet sieving</b>                       | no                                                                                                                                              |
| <b>Serial interface</b>                               | yes                                                                                                                                             |
| <b>Including test certificate / can be calibrated</b> | yes                                                                                                                                             |
| <b>Suitable sieve diameters</b>                       | 203 mm (200 mm with adapter)                                                                                                                    |
| <b>Max. height of sieve stack</b>                     | 1 sieve (25 mm (1") / 50 mm ( 2"))                                                                                                              |
| <b>Accessories</b>                                    | cyclone / automatic vacuum regulation                                                                                                           |
| <b>Electrical supply data</b>                         | 100-240 V, 50/60 Hz                                                                                                                             |
| <b>Power connection</b>                               | 1-phase                                                                                                                                         |
| <b>W x H x D</b>                                      | 460 x 288 x 305 (without cover)                                                                                                                 |
| <b>Net weight</b>                                     | ~ 16 kg                                                                                                                                         |
| <b>Standards</b>                                      | CE                                                                                                                                              |

\*depending on feed material and instrument configuration/settings

## FUNCTIONAL PRINCIPLE

The AS 200 jet is equipped with a rotating slotted nozzle. The sieve and lid are placed above the nozzle. A vacuum generates a strong jet of air which disperses the particles on the sieve through the slotted nozzle. The material which is smaller than the mesh size of the sieve is transported by the back flow of the air to the cyclone or to the vacuum cleaner. The air jet helps to deagglomerate the particles and constantly purges the sieve mesh.



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