

MICRA-200 sieve shaker for analysis

general features

The MICRA-200 sieve shaker is the ideal equipment for dry particle size analysis (from 25 microns) using standardised 200 mm diameter sieves.

It works by the aerodynamic principle of sweeping / aspiration, uniquely achieving results with maximum separation clarity, without altering the actual particle size of the product or damaging the sieve, no matter how fine it is. The particles are subjected to a disintegrating turbulence, thanks to the radial sweeper arranged under the sieve, and the finest particles are carried away by the main suction current. In this way, controlling the successive rejections on each sieve is enough to obtain the granulometric curve corresponding to the tested sample.

The MICRA-200 operates with samples ranging from 5 to 100 g, depending on product characteristics and sieve mesh size.

This is the equipment that best meets the requirements of the pharmacopoeia, offering total reliability of results, highlighting in quality control applications for continuous processes of grinding, drying, etc. It is also suitable for use with products that tend to agglomerate and become electrostatically charged.

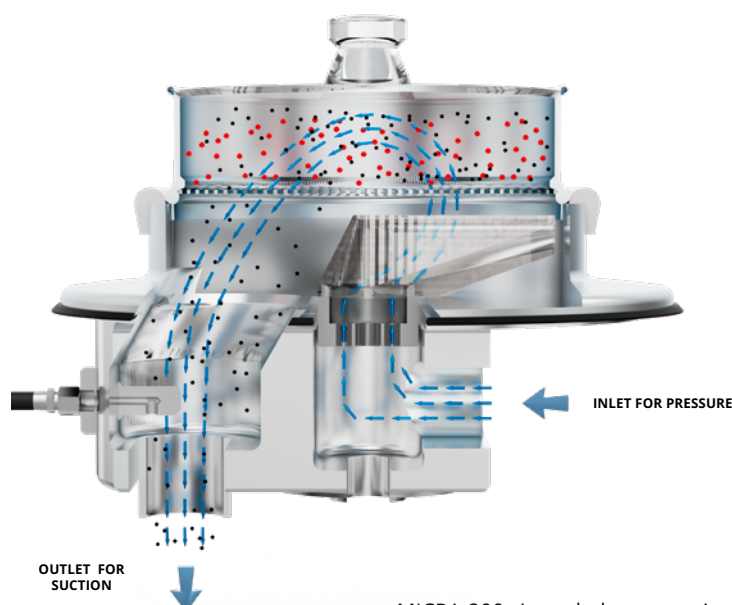
The duration of each individual screening is 1 to 3 minutes, a time significantly shorter than that required by traditional vibration, brushing, or wet systems.

For optimal performance, the sieve shaker can be supplied with a 1 m² filter that collects the fines passing through the screen and a vacuum cleaner, responsible for generating the vacuum in the system.

The reliability of the MICRA-200 is guaranteed by an adjustable electronic analysis time selector and a digital vacuum gauge that controls the vacuum level and filter clogging.



MICRA 200 sieve shaker connected to a 1 m² filter with stainless steel casing and a 1,200 W suction unit.



MICRA-200 sieve shaker operation

Technical Data

MICRA-200	Power suction unit (W)	Mesh lights	Sieve diameters (mm)	Sample sizes (g)	Dimensions mm	Approx. weight (Kg)
	1,200	25 μ - 3 mm	200	5 - 100	570 x 350 x 390	30