

Mini-Mill PULVERISETTE 23, FRITSCH

Mini-Mill PULVERISETTE 23

For fine comminution of very small quantities, dry laboratory samples or solids in suspension. For mixing and homogenization of emulsion.

Typical fields of application:

Ideal for sample preparation, for example analysis, chromatography, mass spectrometry or x-ray structural analysis. Can be used for preparing samples for genetic research, for homogenizing of active ingredients, preparation of extracts in the forensic analysis and milling of pigments or other precious materials.

Method of operation:

Vertical oscillations of the grinding bowl with high amplitude generates a particle-size reduction through the impact of the grinding ball and friction between ball and grinding bowl wall.

Performance features at a glance:

- Fast, reproducible size reduction
- Quick fastening of the grinding bowl
- Adjustable and reproducible grinding time
- Regulated oscillation frequency (15 – 50 Hz)
- Oscillation amplitude 9 mm
- Simple operation and easy cleaning of grinding parts
- Certified safety (CE mark)
- 2-year guarantee

Technical data:

Max. throughput:	up to 5 ml
Max. funnel opening:	6 mm
Final grain size:	10 µm
Dimensions (L × D × H):	20 × 30 × 30 cm
Weight net:	7 kg
Power supply:	100 – 240 V/1~/ 100 W

Article	Order No.
Mini-mill PULVERISETTE 23	53 98 23100

For 100 – 240 V/1~, 50 – 60 Hz, without grinding bowl and ball; Please select bowl and ball from the tables and order separately. The mill cannot work without bowl and ball.

Accessories

Grinding bowls

Material	Vol. ml	Order No.	Material	Vol. ml	Order No.
rust-proof steel	15	53 98 23141	rust-proof steel	10	53 98 23131
PTFE	5	10 98 02316	Agate	10	10 98 02313

Grinding balls

For grinding bowls 15 ml, 10 ml and 5 ml volume

Material	Ball Ø mm	Order No.	Material	Ball Ø mm	Order No.
Stainless steel	15	53 98 07511	Stainless steel	10	53 98 05711
Agate	15	53 98 07501	Agate	10	53 98 05611

Grinding bowls and balls also available in zirconium oxide and hardened steel, as well as balls with 5 mm and ≤ 3 mm dia.

Grinding balls are also available in the diameters 0.5 - 4 mm (to obtain fineness in the nanometre range), as well as in 5 mm (see grinding balls for grinding bowls for planetary micro mill PULVERISETTE 7 premium line).

Recommended number of grinding balls (max. per bowl)

Ball dia. mm	Volume ml	Volume ml	Volume ml
	15	10	5
15	2	1	
10	5	3	1
5	60	30	20

