

Planetary Micro Mill

PULVERISETTE 7 *premium line*



TECHNICAL DATA

Working principle	impact force
Optimal for material type	hard, medium-hard, brittle
Number of grinding stations	2
Grinding tools	grinding bowls and grinding balls
Materials of the grinding tools	agate, sintered corundum, silicon nitride, zirconium oxide, hardened stainless steel, hardmetal tungsten carbide
Grinding bowl sizes	20, 45, 80 ml
Grinding ball diameter	0.1 - 20 mm
Max. feed size (depends on material)	5 mm
Min. sample quantity	1 ml
Max. sample quantity	60 ml
Final fineness (depending on material)	< 0.1 µm
Typical grinding time down to analytical fineness	3 min
Grinding process	dry/wet
Grinding in inert gas	yes
Gas pressure and temperature measurement	yes
Rotational speed of main disk	100-1100 rpm
Transmission ratio planetary disk / grinding bowl	$i_{relative} = 1 : -2$
Effective diameter of main disk	140 mm
Centrifugal acceleration ($g = 9.81 \text{ m/s}^2$)	95 g
Interfaces	USB
Electrical details	100-120 V / 200-240 V/1~, 50-60 Hz, 1200 Watt voltage, indicated by customer is set
Emission sound pressure level at the workplace according to DIN EN ISO 3746 (depending on the material to be ground, grinding bowls/balls, selected rotational speed)	$L_{pAd} = 80 \text{ dB}$
Weight	44 kg
Dimensions (W x D x H)	bench top instrument 40 x 58 x 36 cm

In the operating manual, under [DOWNLOADS](#), you find the appropriate rotor speed limits for grinding ball-diameters and grinding bowls made of agate.

Order No. 07.5000.00

DESCRIPTION

> TECHNICAL DATA

ACCESSORIES

DOWNLOADS

PRODUCT COMPARISON



REGIONAL CONTACT

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