

Planetary Mill

PULVERISETTE 5/4 *classic line*



TECHNICAL DATA

Working principle	impact force
Optimal for material type	hard, medium-hard, soft, brittle, tough, moist
Number of working stations	4
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	80, 250, 500 ml
Grinding ball diameter	0.1 - 40 mm
Max. feed size (depends on material)	10 mm
Min. sample quantity	10 ml
Max. sample quantity	900 ml
Final fineness (depends on material)	< 1 µm
Typical grinding time down to analytical fineness	4 min
Grinding process	dry/wet
Grinding in inert gas	yes
Gas pressure and temperature measurement	yes
Rotational speed of main disk	50 - 400 rpm
Transmission ratio planetary disk / grinding bowl	$i_{relative} = 1 : -2.19$
Effective diameter of main disk	~ 250 mm
Centrifugal acceleration ($g = 9.81 \text{ m/s}^2$)	22 g
Interfaces	yes
Electrical details	200-240 V/1~, 50 - 60 Hz, 1730 Watt
Instrument also available in the following voltage	100-120 V/1~, 50-60 Hz, 1470 watt - order no. 05.5010.00
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)	up to approx. $L_{pAd} = 83 \text{ dB}$
Weight	120 kg
Dimensions (W x D x H)	bench top instrument 58 x 67 x 57 cm

Order No. 05.5020.00

DESCRIPTION

> TECHNICAL DATA

ACCESSORIES

DOWNLOADS

PRODUCT COMPARISON



REGIONAL CONTACT

CONTACT HEADQUARTERS

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