IKA

designed for scientists

A 11 basic Analytical mill

/// Data Sheet

Batch mill for 2 different grinding procedures:
Impact grinding of hard, brittle or non-elastic grinding materials with high-grade stainless steel beater. This beater can be used for a Mohs hardness up to 6 (incl. with delivery).
Cutting grinding for pulverizing soft, fibrous materials with a cutting blade (not incl. with delivery).
- Moist and gluey materials can be pulverized by adding water
- Grinding chamber made of Tefcel (PTFE, glass fiber-reinforced) with stainless steel inlet (1.4571), useful volume 80 ml (incl. with delivery). For embrittlement of grinding materials with liquid nitrogen in the grinding chamber
- Optionally, a 250 ml grinding chamber is available

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Technical Data

Process type	batch
Operating principle	cutting/impact
Motor rating input [W]	160
Motor rating output [W]	100
Speed max. [rpm]	28000
Circumferential speed max. [m/s]	53
Useable volume max. [ml]	80
Feed hardness max. [Mohs]	6
Feed grain size max. [mm]	10
Material beater/cutter	stainless steel 1.4034
Material milling chamber	stainless steel 1.4571
Power-ON time [min]	1
Power-OFF time [min]	10
Mill feed can be cooled in milling chamber with dry ice	yes
Mill feed can be cooled in milling chamber with liquid nitrogen	yes
Dimensions (W x H x D) [mm]	85 x 240 x 85
Weight [kg]	1.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 43
Voltage [V]	220 - 230
Frequency [Hz]	50/60
Power input [W]	160

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.