IKA

designed for scientists



MultiDrive MI 400 T – S

/// Data Sheet

MI 400 T - S is a specially sealed vessel with beater and temperature sensor. In combination with MultiDrive control, it is suitable for dry grinding of a variety of applications, such as wood, pet food, frozen products or plastics.

The special vessel seal allows pressure to be released via the lid during the comminution process of for example very fine powder. The product is held in the vessel by a special foam.

The integrated temperature sensor allows continuous monitoring and individual setting of the temperature limit. This is especially important for temperature-sensitive materials.

The milling chamber has to be cleaned manually. The beater can be easily dismantled for intensive cleaning.

A standard stainless steel beater is included with the scope of delivery. Other optional tools, such as a star knife made of stainless steel or a beater made of hard metal are available separately.

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Technical Data

Process type	batch
Operating principle	impact
Speed range [rpm]	3000 - 20000
Circumferential speed max. [m/s]	85
Useable volume max. [ml]	400
Feed hardness max. [Mohs]	5
Feed grain size max. [mm]	7
Material beater/cutter	stainless steel 1.4034
Material milling chamber	stainless steel 1.4301
Material (other)	stainless-steel, silicone, SIC
Power-ON time [min]	30
Power-OFF time [min]	10
Milling chamber, can be cooled with water	yes
Mill feed can be cooled in milling chamber with dry ice	yes
FDA conform	yes
Multi use	yes
Data transfer drive/vessel	Wireless with RFID
Monitoring maintain time	yes
Temperature measuring	yes
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	±5
Temperature limit min. [°C]	-50
Temperature limit max. [°C]	120
Beater/Knife diameter [mm]	81
Suitable for abrasive substances	yes
Dimensions (W x H x D) [mm]	160 x 180 x 160
Weight [kg]	1.5
Permissible relative humidity [%]	80