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MultiDrive DI 2000 T Dispersing vessel, temperature measurement

/// Data Sheet

DI 2000 T is a vessel with rotor-stator system and temperature sensor, which is particularly useful in combination with IKA MultiDrive control for dispersing a variety of applications, such as emulsion, yoghurt, extracts.

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

All parts can be cleaned in a dishwasher. The generator is easy to dismantle for intensive cleaning.

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The scope of delivery includes a standard generator made of stainless steel.

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Technical Data

Process type	batch
Operating principle	dispersing
Speed range [rpm]	3000 - 15000
Circumferential speed max. [m/s]	22
Useable volume max. [ml]	2000
Feed grain size max. [mm]	10
Material beater/cutter	stainless steel 1.4404
Material (other)	stainless-steel, PCTG, PTFE, silicone, SIC
Power-ON time [min]	30
Power-OFF time [min]	10
FDA conform	yes
Multi use	yes
Dishwasher cleanable	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]	±1
Temperature limit min. [°C]	-50
Temperature limit max. [°C]	80
Stator diameter [mm]	43
Rotor diameter [mm]	28
Gap between rotor and stator [mm]	0.5
Ultimate fineness, suspensions [µm]	40 - 100
Ultimate fineness, emulsions [µm]	10 - 30
Dimensions (W x H x D) [mm]	180 x 280 x 220
Weight [kg]	1.35
Permissible relative humidity [%]	80