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UTTD control Pharma Solution

/// Data Sheet

Crushing and dissolving of tablets for subsequent analysis:

Many standardized test procedures in the pharmaceutical industry, such as the pharmacopoeia tests described in official compendia (United States Pharmacopeia (USP 905), European Pharmacopoeia (PhEur 2.9.40), etc.), require the crushing and dissolution of tablets as a first step before further analysis. The challenges in sample preparation include the avoidance of cross-contamination between sample batches, time-consuming cleaning and the often small sample quantities.

The UTTD control Pharma Solution has been specially developed by the IKA product experts to overcome these challenges.

The package includes the powerful ULTRA-TURRAX® Tube Drive P control homogenizing system, which has been designed for universal use. In combination with the disposable mixing vessels with dissolver disc (DIS-300-S-M with 300 ml volume), this system ensures optimum comminution and thorough dissolution of tablets and capsules in various solvents.

The hermetically sealable disposable sample containers serve simultaneously as a comminution vessel, storage unit and transport container. They significantly reduce the cleaning effort and systematically eliminate cross-contamination. Users benefit from reduced handling costs and a lower number of incorrect analyses. Samples can be collected or media added via the pierceable membrane in the vessel lid.

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Technical Data

Motor rating input [W]	36
Motor rating output [W]	28
Speed display	OLED
Speed range [rpm]	400 - 8000
Viscosity max. [mPas]	5000
Timer	yes
Timer display	OLED
Speed deviation [%]	3
Speed adjustment	10 RPM Steps
Noise without element [dB(A)]	50
Process type	batch
Reversible direction of rotation	yes
Dimensions (W x H x D) [mm]	122 x 54 x 178
Weight [kg]	1.3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 20
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	36
DC Voltage [V=]	24
Current consumption [mA]	1500