

Dispersing Systems ULTRA-TURRAX®, IKA®

T 8 ULTRA-TURRAX® drive

Hand-held disperser for very small volumes. Steplessly adjustable drive. With stator-rotor configurations specially developed for tissue decomposition for clinical and medical diagnostics. Micro-dispersing elements, e.g. with 5 mm Ø, for Eppendorf tubes, centrifuge tubes, cuvettes etc. Can be sterilized by all methods. Space-saving dispersion for keeping everything tidy. Low-voltage operation for safety. Separate power supply unit included with delivery.

Technical data:

Weight:	0.4 kg
Dispersing quantities:	0.5 to 50 ml
Power supply:	230 V~, 50/60 Hz
Motor rating input/output:	100/70 W
Speed range:	5000 to 25.000 min ⁻¹ , steplessly adjustable

Article	Order No.
① T 8 ULTRA-TURRAX drive	53 36 21000

supplied without the illustrated accessories

T 8 ULTRA-TURRAX® dispersion tools

Technical data:

Materials in contact with the medium:	PTFE, AISI 316L
pH range:	2 to 13
Suitable for solvent:	yes
Suitable for abrasive substances:	yes
Temperature range up to:	180°C
Sterilization:	all methods
Ultimate fineness, suspensions:	5 to 25 µm
Ultimate fineness, emulsions:	1 to 10 µm

Article	②	③
Working range	ml 0.5 – 5	ml 1 – 50
Ø stator	mm 5	mm 8
Ø rotor	mm 3.8	mm 6.1
Gap between stator and rotor	mm 0.150	mm 0.275
Min./max. immersion depth	mm 25/85	mm 25/110
Order No.	53 36 21015	53 36 21018

Accessories T 8

- Enables the T 8 to be used as a stand unit
- Keeps the dispersing elements safe and tidy
- Sterilizable, removable work surface
- Provides a cover for the power supply unit

Article	Order No.
④ Dispersion station T 8.10	53 36 21050

T 18 basic ULTRA-TURRAX® drive

The ULTRA TURRAX T 18 basic is a newly developed high-speed dispersing instrument for dispersing and emulsifying jobs in laboratories throughout the chemical and pharmaceutical industry, in universities and in medical laboratories.

The T 18 basic has an extended speed range from 6000 to 24000 min⁻¹. Stepless adjustment of speeds by means of a rotary button.

A connection for a speedometer (e.g. DZM control.o) is integrated in the instrument for speed documentation purposes.

Technical data:

Motor rating input/output:	300/160 W
Speed range:	6000 to 24000 min ⁻¹
Speed adjustment:	stepless
Speed display:	scale (1–6)
Noise without dispersion tool:	78 dB(A)
Dimensions (W × D × H):	78 × 78 × 220 mm
Weight:	1.2 kg
Permissible ambient temperature:	5 to 40°C
Permissible humidity:	80%
Protection class acc. to DIN EN 60529:	IP 20
Voltage:	115/230 V
Frequency:	50/60 Hz

Article	Order No.
⑤ T 18 basic ULTRA-TURRAX®	53 36 24638



T 18 basic ULTRA-TURRAX® dispersion tools

Technical data:

Materials in contact with the medium:	PTFE, AISI 316L
pH range:	2 to 13
Suitable for solvent:	yes
Suitable for abrasive substances:	yes
Temperature range up to:	180°C
Sterilization:	all methods
Ultimate fineness, suspensions:	10 to 50 µm
Ultimate fineness, emulsions:	1 to 10 µm

Article	S 18 N - 10 G	S 18 N - 19 G
Working range	ml 1 – 100	10 – 1500
Ø stator	mm 10	19
Ø rotor	mm 7.5	12.7
Gap between stator and rotor	mm 0.35	0.40
Min./max. immersion depth	mm 25/70	35/70
Order No.	53 36 24639	53 36 24640

T 25 basic ULTRA-TURRAX® drive

High-performance dispersing instrument with integrated speed control and connection for a speedometer. Suitable for breaking down, opening up and homogenizing flowing substances

Technical data:

Dispersing quantity:	1 to 2000 ml
Power supply:	230 V~, 50 to 60 Hz
Motor rating input/output:	500/300 W
Speed range:	6500 to 24000 min ⁻¹ , steplessly adjustable

⑥

Article	Order No.
⑥ T 25 basic ULTRA-TURRAX drive	53 36 25000

supplied without the illustrated accessories

T 25 basic ULTRA-TURRAX® dispersion tools

Materials in contact with the medium: PTFE, 1.4571

Article	Working range ml	Ø stator mm	Order No.
S 25 N - 18 G	10 – 1500	18	53 36 25012
S 25 N - 25 G	50 – 2000	25	53 36 17133

Accessories T 25

Article	Order No.
Boss head R 182	51 36 26577
Screw closure SV NS 29	51 36 25003
Clamp RH 3	51 36 08600
DZM control.o speedometer	51 36 80142
Plate stand R 1825	51 36 31600
Plate stand R 1826	51 36 60100
Plate stand R 1827	51 36 60200

