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S 25 EC - T - C - 25 G - ST Dispersing tool

/// Data Sheet

The autoclavable dispersing tool S 25 EC-T-C-25G-ST is particularly suitable for dispersing applications in the fields of biochemistry or pharmacy, e.g. to emulsify heat-sensitive intermediate APIs. The integrated temperature sensor enables temperature measurement during use. Operating time is logged through the associated disperser T 25 easy clean digital or control. An indication on the display informs the user that maintenance is required.

The easy clean dispersing tool is particularly easy to clean: By turning and lowering the clamp, the shaft and rotor can be dropped down till the whole rotor comes out of the stator. Then the shaft tube of the tool can also be completely rinsed from inside.

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Type of bearing: Ceramic plain bearing
Product-touching material: AISL 316L, ceramics
Solvent suitable: Yes
Sterilizable: Yes, all methods (except for hot air)
Max. working temperature [°C]: 120
Shaft length [mm]: 191
Diameter stator / rotor [mm]: 25 / 20
Gap between [mm]: 0.5
Recommended emersion depth [mm]: 45 - 150
Recommended working range [mL]: 50 - 2000
Temperature measurement: Yes
Temperature measurement accuracy: ± 0.5 K
Operation time detection: Yes

S 25 EC-T-C-25G-ST is only compatible with the dispersers T 25 easy clean digital and control.

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Technical Data

Volume range (H2O) [l]	0.05 - 2
Stator diameter [mm]	25
Rotor diameter [mm]	20
Gap between rotor and stator [mm]	0.5
allowable Speed max. [rpm]	25000
Circumferential speed max. [m/s]	26.2
Immersion depth [mm]	45 - 150
Shaft length [mm]	191
Material in contact with medium	AISI 316L, ceramic
pH range	2 - 13
Suitable for solvents	yes
Suitable for abrasive substances	yes
Temperature measuring range [°C]	0 - 125
Accuracy of temperature measurement [K]	±1
Working temperature max. [°C]	120
Sterilization methods	all methods except hot air
Ultimate fineness, suspensions [µm]	15 - 50
Ultimate fineness, emulsions [µm]	1 - 10
Weight [kg]	0.634