



designed for scientists



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 (H ₂ O) [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 |

