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S 25 EC - T - C - 18 G Dispersing tool

/// Data Sheet

The autoclavable dispersing tool S 25 EC - T - C - 18 G is suitable for general applications involving high speed and high shear mixing, crushing in liquid, emulsification, particle size reduction in solution and vigorous dissolving of miscible and immiscible solids and liquids in a liquid medium. It is particularly recommended 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.



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As the name "easy clean" implies, the dispersing tools are particularly easy to clean: by simply turning and lowering the clamp, the shaft and rotor can be extended from the shaft until the whole rotor comes out of the stator. Then the shaft tube of the tool can be completely rinsed from inside.

Note: S 25 EC - T - C - 18 G is only compatible with the dispersers T 25 easy clean digital and control. The temperature sensing function of the T tools can only be activated when used in combination with the T 25 easy clean control.



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Technical Data

| | |
|---|----------------------------|
| Volume range (H2O) [l] | 0.01 - 1.5 |
| Stator diameter [mm] | 18 |
| Rotor diameter [mm] | 12.7 |
| Gap between rotor and stator [mm] | 0.3 |
| allowable Speed max. [rpm] | 25000 |
| Circumferential speed max. [m/s] | 16.6 |
| 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] | 10 - 50 |
| Ultimate fineness, emulsions [µm] | 1 - 10 |
| Weight [kg] | 0.634 |