



designed for scientists



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

/// Технический паспорт

The autoclavable dispersing tool S 25 EC - T - C - 18 G - ST 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 sawtooth tool design enables slicing of fibrous materials in solution for even faster homogenization. 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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Технические данные

Обрабатываемый объем (H ₂ O) [l]	0.01 - 1.5
Диаметр статора [mm]	18
Диаметр ротора [mm]	13.4
Зазор между ротором и статором [mm]	0.25
Макс. Допустимая скорость [rpm]	25000
Окружная скорость [m/s]	17.5
Глубина погружения [mm]	45 - 150
Длина вала [mm]	191
Материал в контакте со средой	AISI 316L, Керамика
Диапазон pH	2 - 13
Работа с растворителями	да
Работа с абразивными веществами	да
Диапазон измеряемых температур [°C]	0 - 125
Погрешность измерения [K]	± 1
Рабочая температура макс. [°C]	120
Методы стерилизации	all methods except hot air
Предельная тонкость измельчения, суспензии [µm]	10 - 50
Предельная тонкость измельчения, эмульсии [µm]	1 - 10
Вес [kg]	0.634