



designed for scientists



S 50 KD - G45G ST Dispersing tool

/// Data Sheet

Dispersing tool for the disperser T 50 digital

Type of sealing and bearing: Ball-bearing with PTFE sealing and FFKM O-ring

Product-touching material: AISL 316L, PTFE, FFKM

Suitable for solvents: Yes

Sterilizable: all methods (except ball bearing)

Suitable for vacuum: Yes

Max. working temperature [°C]: 150

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Subject to technical changes





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Shaft length [mm]: 300

Diameter stator/rotor [mm]: 45/38

Gap between [mm]: 0.5

Recommend emersion depth [mm]: 70 - 260

Recommend working range [ml]: 500 - 20,000



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Technical Data

Volume range (H ₂ O) [l]	0.5 - 20
Stator diameter [mm]	45
Rotor diameter [mm]	38
Gap between rotor and stator [mm]	0.5
allowable Speed max. [rpm]	10000
Circumferential speed max. [m/s]	19.9
Immersion depth [mm]	70 - 260
Shaft length [mm]	300
Material in contact with medium	FFPM, PTFE, AISI316L
pH range	2 - 13
Suitable for solvents	yes
Working temperature max. [°C]	150
Sterilization methods	autoclavable
Vacuum [mbar]	100
Ultimate fineness, suspensions [µm]	40 - 100
Ultimate fineness, emulsions [µm]	10 - 30
Weight [kg]	0.71
Permissible ambient temperature [°C]	5 - 40