



designed for scientists



S 50 KD - G45M 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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Shaft length [mm]: 300

Diameter stator/rotor [mm]: 45/40.5

Gap between [mm]: 0.25

Recommend emersion depth [mm]: 70 - 260

Recommend working range [ml]: 500 - 15,000



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Technical Data

| | |
|--------------------------------------|-----------------------|
| Volume range (H ₂ O) [l] | 0.5 - 15 |
| Stator diameter [mm] | 45 |
| Rotor diameter [mm] | 40.5 |
| Gap between rotor and stator [mm] | 0.25 |
| allowable Speed max. [rpm] | 10000 |
| Circumferential speed max. [m/s] | 21.2 |
| Immersion depth [mm] | 70 - 260 |
| Shaft length [mm] | 300 |
| Material in contact with medium | FFPM, PTFE, AISI 316L |
| pH range | 2 - 13 |
| Suitable for solvents | yes |
| Working temperature max. [°C] | 150 |
| Sterilization methods | autoclavable |
| Vacuum [mbar] | 100 |
| Ultimate fineness, suspensions [µm] | 25 - 50 |
| Ultimate fineness, emulsions [µm] | 5 - 20 |
| Weight [kg] | 0.645 |
| Permissible ambient temperature [°C] | 5 - 40 |