



designed for scientists



S 25 KD - LR - 25 F Dispersing tool

/// Data Sheet

The S 25 KD - LR - 25 F dispersing tool was specially developed to use with the IKA laboratory reactors. It is slightly longer than the standard dispersing tools, allowing for a deeper tool immersion within the reactors and the processing of even lower minimum sample volumes. In addition, this tool can be used in conjunction with vacuum conditions of up to 100 mbar.

The F tool is able to achieve an even finer ultimate particle size compared to the G tools.

Tool disassembly for cleaning and maintenance is made simpler with this new design.



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Compatible with: T 25 digital, T 25 easy clean digital, T 25 easy clean control



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Technical Data

| | |
|-------------------------------------|----------------------------|
| Volume range (H ₂ O) [l] | 0.1 - 2 |
| Stator diameter [mm] | 25 |
| Rotor diameter [mm] | 18 |
| Gap between rotor and stator [mm] | 0.5 |
| allowable Speed max. [rpm] | 25000 |
| Circumferential speed max. [m/s] | 23.6 |
| Immersion depth [mm] | 40 - 220 |
| Shaft length [mm] | 267 |
| Material in contact with medium | FFPM, PTFE, AISI 316L |
| pH range | 2 - 13 |
| Suitable for solvents | yes |
| Working temperature max. [°C] | 150 |
| Sterilization methods | all methods except hot air |
| Vacuum [mbar] | 100 |
| Ultimate fineness, suspensions [µm] | 5 - 25 |
| Ultimate fineness, emulsions [µm] | 1 - 5 |
| FDA conformity | yes |
| Weight [kg] | 0.404 |