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R 50 stirring shaft «high speed»

/// Data Sheet

With the R 50 stirring shaft, the disperser T 50 digital can be converted into a high speed stirrer. This configuration is recommended for applications that require medium to high shearing forces.

The dissolver disk design of the mixing head coupled with the high speed results in rapid mixing, dissolving, and disagglomeration. A protective cage is fitted around the mixing head and shaft to ensure operational safety. The dissolver head R 1402 is included in scope of delivery.

Alternatively, the mixing head can be changed to a propeller design with the accessory R 1405 in order to facilitate low



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to medium mixing viscosities under low shear at high speed.

Immersion depth: 180 mm

Working range: 0.25 - 30 l

Rotor diameter: 40 mm

Material: stainless steel (AISI 316L)



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Technical Data

Volume range (H ₂ O) [l]	0.25 - 30
Rotor diameter [mm]	40
allowable Speed max. [rpm]	10000
Circumferential speed max. [m/s]	23.6
Immersion depth [mm]	50 - 180
Shaft length [mm]	323
Material in contact with medium	AISI 316L / AISI 304
pH range	2 - 13
Suitable for solvents	yes
Suitable for abrasive substances	yes
Working temperature max. [°C]	150
Dry Operation	yes
Weight [kg]	1.25
Permissible ambient temperature [°C]	5 - 40