

Data Sheet

Mixing / Overhead Stirrers



RW 47 digital

Extremely powerful, mechanically controlled laboratory stirrer designed for highly viscous applications for quantities up to 200 l (H₂O). It is suitable for intensive mixing for use in laboratories and pilot plants. The stirrer comes equipped with a protection for overheating of the motor by means of self-locking temperature limiter. Additionally, to secure bowls, a stirring shaft protection and clamping fixture are optionally available.

- Digital speed display
- Infinitely adjustable speed (57 - 1300 rpm) in two speed ranges
- Overload protection
- Error code display
- Robust, ergonomic design
- Quiet operation
- With constant power-drive

Accessories: R 472 Floor stand, R 474 Telescopic stand, R 4765 Floor stand, R 303 Stirring shaft protection, SI 400 Safety switch, SI 472 Fixing device, SI 474 Fixing device, R 2302 Propeller stirrer, 4-bladed, R 2311 Paddle stirrer, R 1333 Anchor stirrer, R 3003.1 Spiral stirrer

Technical Data	
Stirring quantity max. per stirring position (H ₂ O) [l]	200
Motor rating input [W]	513
Motor rating output [W]	370
Motor principle	three-phase current
Speed display	LED
Speed range [rpm]	57 - 1300
Viscosity max. [mPas]	100000
Output max. at stirring shaft [W]	300
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	3000
Torque max. at stirring shaft at 60 1/min (overload) [Ncm]	4642
Torque max. at stirring shaft at 100 1/min [Ncm]	3000
Torque max. at stirring shaft at 1.000 1/min [Ncm]	285
torque I max. [Ncm]	3000
torque II max. [Ncm]	620
Speed range I (50 Hz) [rpm]	57 - 275
Speed range II (50 Hz) [rpm]	275 - 1300
Speed control	stepless
Setting accuracy speed [±rpm]	1
deviation of speed measurement [±rpm]	10
Stirring element fastening	chuck
Chuck range min. diameter [mm]	3
Chuck range max. diameter [mm]	16
Hollow shaft, inner diameter [mm]	13

Hollow shaft (push-through - when stopped)	no
Fastening on stand	flange
Torque display	no
Nominal torque [Nm]	30
housing material	alu-cast coating / thermoplastic polymer
clean room qualified	no
explosion proofed	no
Dimensions (W x H x D) [mm]	145 x 465 x 358
Weight [kg]	16
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 54
USB interface	no
RS 232 interface	no
Analog output	no
Voltage [V]	3 x 400 / 3 x 230
Frequency [Hz]	50
Power input [W]	513
Ident. No.	0004050000