

Data Sheet

Mixing / Overhead Stirrers



EUROSTAR 20 digital

Laboratory stirrer designed for simple stirring tasks for quantities up to 15 l (H₂O). It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/30 - 2000 rpm.

Safety circuits installed ensures automatic cut-off in an anti-stall or overload conditions. Continuous comparison of shaft speed to desired speed is maintained and variations are adjusted automatically. This guarantees a constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed
- Push-through agitator shafts
- Overload protection
- Short-term overload operation
- Slim casing
- Quiet operation
- Error code display

Accessories: R 1342 Propeller stirrer, 4-bladed, R 1345 Propeller stirrer, 4-bladed, R 1381 Propeller stirrer, 3-bladed, R 1382 Propeller stirrer, 3-bladed, R 1389 (PTFE-coated) Propeller stirrer, 3-bladed, R 1311 Turbine stirrer, R 1312 Turbine stirrer, R 1313 Turbine stirrer, R 1303 Dissolver stirrer, R 1352 Centrifugal stirrer, R 1355 Centrifugal stirrer, R 1330 Anchor stirrer, R 3000.1 Moebius stirrer, R 3001.1 Moebius stirrer, R 3003 Spiral stirrer, R 3003.1 Spiral stirrer, R 3003.2 Spiral stirrer, R 3004 Blade stirrer, R 3004.1 Blade stirrer, R 3004.2 Blade stirrer, FK 1 Flexible coupling, R 60 Keyless chuck, R 301 Stirring shaft protection, R 182 Boss head clamp, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1827 Plate stand, BC 1000 Beaker cap

Technical Data

Stirring quantity max. per stirring position (H ₂ O) [l]	15
Motor rating input [W]	70
Motor rating output [W]	42
Motor principle	Brushless DC
Speed display	LED
Speed range [rpm]	0/30 - 2000
Reversible direction of rotation	no
Intermittent operation	no
Viscosity max. [mPas]	10000
Output max. at stirring shaft [W]	42
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	20
Speed control	stepless
Setting accuracy speed [±rpm]	1
Deviation of speed measurement n > 300rpm [±%]	1
Deviation of speed measurement n < 300rpm [±rpm]	3
Stirring element fastening	chuck
Temperature display	no
Chuck range min. diameter [mm]	0.5
Chuck range max. diameter [mm]	10
Hollow shaft, inner diameter [mm]	11
Hollow shaft (push-through - when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Torque display	no
Nominal torque [Nm]	0.2
Timer	no
housing material	alu-cast coating / thermoplastic polymer
clean room qualified	no
explosion proofed	no
Dimensions (W x H x D) [mm]	86 x 248 x 208
Weight [kg]	4.4
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 42
USB interface	no
RS 232 interface	no
Analog output	no
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	70

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