

SINGLE POINT STIRRING SYSTEM FOR CELL CULTURES AND TISSUE CULTURES

Designed for careful and protective mixing of cell suspensions and culture broths, developed for high demands and uncompromising continuous operations.

2mag bioMIX 1

Price optimized maintenance-free magnetic stirrer with 1 stirring point, large surface, space saving, also suitable for viscous culture media.

Maintenance-free 2mag-stepper-motor-drive for extremely slow and 100% jerk-free and gentle mixing of cell cultures, extended speed range from 5 up to 250 rpm, jerk-free, even and smooth stirring also at slow speeds, power setting (10-step) for high power with regard to large and viscous stirring amounts and reduced power for the warming-free continuous operation.

Digital display for speed- and power setting, SoftStart for reliable and safe accelerating of stirring bar, QuickSet for quick setting of start- and maximum speed, saving of last working status when turning off, suitable for culture flasks with spinning propeller- and spinning ball systems.

magnetic^e motion

- 🌀 Price optimized
- 🌀 Space saving
- 🌀 Germ-proof, easy to clean
- 🌀 Outstanding long-life quality
- 🌀 3 years warranty



🌀 **Hint:** For using in incubators we recommend due to the minimized temperature emission the especially developed series **bioMIXdrive**

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magnetic

Fully encapsulated and water resistant stainless steel housing, germ-proof, IP64, easy to clean and firm, robust construction and performance, ultra-flat design.

3 years warranty on material and manufacturing, developed and made in Germany.

motion

Technical data

Typ	bioMIX 1
Stirring volume / point	5 - 5,000 ml
Speed range	5 - 250 rpm
Stirring power (max.)	6 watts
Leistungseinstellung	10 - 100% (10-step)
Material housing	Stainless steel
Operation conditions	-10 up to +50 °C (at 80% humidity)
Operating voltage	100-240 V / 50-60 Hz / 1.5 A
Dimensions (WxDxH mm)	188 x 238 x 38 mm
Protection category	IP 64
Weight (gross)	approx. 1.4 kg
Order no.	85001

Customized versions and modified unit sizes on request.



STIRRING SYSTEMS FOR CELL CULTURES

Designed for careful and protective mixing of cell suspensions and culture broths, developed for highest demands as well as warming-free and uncompromising continuous operations for e.g. in CO₂-incubators.





2mag bioMIXdrive 1 / 2 / 3 / 4 / 6

Warming- and maintenance-free magnetic stirrer with 1, 2, 3, 4 or 6 stirring points, large surface, also suitable for viscous culture media.

Maintenance-free 2mag-stepper-motor-drive for extremely slow and 100% jerk-free and gentle mixing of cell cultures, extended speed range from 5 up to 250 rpm, jerk-free, even and smooth stirring also at slow speeds, suitable for culture flasks with spinning propeller- and spinning ball systems.

Fully encapsulated and hermetically closed stainless steel housing, IP68, water-, dust- and germ-proof, extremely robust construction and performance, easy to clean and maximum firm, submersible in water baths, designed for the warming-free long term operation in CO₂-incubators, individual measurements on request.

3 years warranty on material and manufacturing, developed and made in Germany.

-  Water- and germ-proof
-  Warming-free long term operation in CO₂-incubators
-  Outstanding long-life quality
-  3 years warranty

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Technical data

Type	bioMIXdrive				
	1	2	3	4	6
Stirring points	1	2	3	4	6
Stirring point distance	-	140			130
Stirring volume / point	5 - 5,000 ml				
Speed range	5 - 250 rpm				
Stirring power (max.)	6 watts / position				
Material housing	Stainless steel				
Operation conditions	-10 up to +50 °C (at 100% humidity)				
Operation conditions	+50 °C submerged in water				
Operating voltage	48 VDC				
Dimensions (WxDxH mm)	180 x 180 x 38	130 x 270 x 38	130 x 410 x 38	270 x 270 x 38	245 x 375 x 38
Protection category	IP 68				
Weight (gross), approx.	2.3 kg	2.5 kg	3.5 kg	4.7 kg	7.8 kg
Order no.	80001	80002	80003	80004	80006

Customized versions and modified unit sizes on request.





CONTROL UNITS

Designed for stirring drives bioMIXdrive.

2mag bioMIXcontrol

Efficient control unit, for 2mag bioMIXdrive series, developed for the hard daily lab use and uncompromising warming-free continuous operation.

Control unit for the connection of 1 stirring drive bioMIXdrive 1, 2, 3, 4 or 6 with 6 watts / stirring point, without any own-generated heating effect, extended speed range from 5 to 250 rpm, jerk-free stirring, even and smooth stirring also at slow speeds.

Power setting (10-step) for high power with regard to large and viscous stirring amounts and reduced power for the warming-free continuous operation e.g. in CO₂-incubators.

Digital display for speed- and power setting, SoftStart for reliable and safe accelerating of stirring bar, QuickSet for quick setting of start- and maximum speed, storage of last working status when turning off, firm stainless steel housing, easy to clean.

Interfaces (0-10 volts, 4-20 mA, RS232, Ethernet), customized software adaption and stirring bar monitoring on request.

3 years warranty on material and manufacturing, developed and made in Germany.



2mag bioMIXcontrol S

Powerful control unit - stackable!

Identical to bioMIXcontrol, but with stackable housing, vertical control panel, dimensions 215 x 120 x 55 mm.

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Technical data

Typ	bioMIXcontrol	bioMIXcontrol S
Speed range	5 - 250 rpm	
Stirring power	4 - 40 watts (10-step)	
Material housing	Stainless steel	
Operation conditions	0 up to +40 °C (at 80% humidity)	
Electrical data	100-240 V / 50-60 Hz / 1.5 A	
Dimensions (WxDxH)	200 x 155 x 38 mm	215 x 120 x 55 mm
Protection category	IP 20	
Weight (gross)	approx. 1.4 kg	
Order no.	98400	98500

Customized versions and modified unit sizes on request.

CONTROL UNITS

Designed for stirring drives bioMIXdrive.

2mag bioMIXcontrol MS4

Efficient control unit, for 4 drives 2mag bioMIXdrive 1, developed for the hard daily lab use and uncompromising warming-free continuous operation.

Control unit for the connection of 4 stirring drive bioMIXdrive 1, individual and independent speed setting for each stirring drive (Master-Slave-Technology), also ON-/OFF function, synchronous speed mode for all drives, extended speed range from 5 to 250 rpm, 6 watts/stirring point without any own-generated heating effect, automatic power setting for the warming-free continuous operation e.g. in CO₂-incubators, jerk-free stirring, even and smooth stirring also at slow speeds.

Digital display for speed setting, SoftStart for reliable and safe accelerating of stirring bar, QuickSet for quick setting of start- and maximum speed, storage of last working status when turning off, firm stainless steel housing, easy to clean.

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Interfaces (0-10 volts, 4-20 mA, RS232, Ethernet), customized software adaption and stirring bar monitoring on request.

3 years warranty on material and manufacturing, developed and made in Germany.

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Customized versions and modified unit sizes on request.

Technical data

Type	bioMIXcontrol MS4
Speed range	5 – 250 rpm (4x individual setting)
Connection sockets	4 (for bioMIXdrive 1 only)
Stirring power (max.)	6 watts / position (automatic)
Material housing	Stainless steel
Operation conditions	0 °C up to +40 °C (at 80% humidity)
Operating voltage	100-240 V / 50-60 Hz / 1.5 A
Dimensions (WxDxH)	200 x 155 x 38 mm
Protection category	IP 20
Weight (gross)	approx 2.5 kg
Order no.	98604

3 years warranty on material and manufacturing. We reserve the right to make technical alterations. We do not assume liability for errors in printing or typing.