

STIRRING SYSTEMS WITH EXTERNAL CONTROL

Designed for chemical, biotechnical and medical applications of all kinds, developed for maximum requirements, maximum mechanical, thermal and chemical stability as well as uncompromising continuous operation.

2mag MIXdrive 15

Ultra flat, wear-free magnetic stirring system with 15 stirring points, suitable for 15 x 250 ml beaker glasses (tall form).

15 stirring positions, 100% maintenance-free and wear-free by inductive 2mag-Magnetic-Drive concept for powerful mixing of solutions, 100% synchronized speeds, jerk-free stirring even at low speeds.

Fully encapsulated and hermetically sealed stainless steel housing, IP68, water-, dust- and germproof, extremely robust construction and performance, easy to clean and maximum resistance, submersible in water-respective oil baths, suitable for the use in CO₂-incubators and ovens.

2 different temperature areas available:

Basic-version up to +50 °C, **HT-version** up to +95 °C submerged in water baths and up to +200 °C in ovens, individual dimensions on request.





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

motion



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-  Wear-free magnetic stirrer, up to +200 °C
-  Submersible, up to +95 °C
-  Extremely robust construction
-  Integrable in systems

magnetic e motion

2mag MIXdrive 6

Identical to MIXdrive 15, but with 6 stirring positions, suitable for 6 x 1,000 ml Erlenmeyer flasks. Stirring point distance 130 mm.

2mag MIXdrive 60

Identical to MIXdrive 15, but with 60 stirring points (6x10), suitable for synchronous operation of 60 testing tubes, ideal for integration. Stirring point distance 32,5 mm.

Customized versions and modified unit sizes on request.

Technical data

Type	MIXdrive 15	MIXdrive 6	MIXdrive 60
Stirring points	15	6	60
Stirring point distance	65 mm	130 mm	32,5 mm
Stirring volume / point	1 - 3,000 ml	1 - 3,000 ml	1 - 500 ml
Stirring power (max.)	40 watts		
Material housing	Stainless steel		
Operation conditions	-10 up to +50 °C (at 100% humidity)		
Operation conditions	+50 °C in water (HT up to +95° / +200° in air)		
Operating voltage (max.)	48 VDC		
Dimensions (WxDxH)	245 x 375 x 38 mm		
Protection category	IP 68		
Weight (gross)	approx. 8.9 kg	approx. 9.5 kg	approx. 9.7 kg
Order no.	40015	40006	40060
Order no. HT Version	40215	40206	40260

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STIRRING SYSTEMS WITH EXTERNAL CONTROL

Designed for chemical, biotechnical and medical applications of all kinds, developed for maximum requirements, maximum mechanical, thermal and chemical stability as well as uncompromising continuous operation.

2mag MIXdrive 1

Ultra flat, wear-free magnetic stirrer with 1 stirring position, suitable for vessels up to 10,000 ml.

1 stirring position, 100% maintenance-free and wear-free by inductive 2mag-Magnetic-Drive concept for powerful mixing of solutions, jerk-free stirring even at low speeds.

Fully encapsulated and hermetically sealed stainless steel housing, IP68, water-, dust- and germproof, extremely robust construction and performance, easy to clean and maximum resistance, submersible in water-respective oil baths, suitable for the use in CO₂-incubators and ovens.

2 different temperature areas available:

Basic-version up to +50 °C, **HT-version** up to +95 °C submerged in water baths and up to +200 °C in ovens, individual dimensions on request.

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2mag MIXdrive 1 eco

Ultra flat, wear-free magnetic stirrer with 1 stirring position, suitable for vessels up to 3,000 ml.

Identical to MIXdrive 1, but for maximum 3,000 ml and compact dimensions.

- ⌚ Wear-free magnetic stirrer, up to +200 °C
- ⌚ Submersible, up to +95 °C
- ⌚ Extremely robust construction
- ⌚ Integrable in systems

Technical data

Type	MIXdrive 1	MIXdrive 1 eco
Stirring points	1	1
Stirring volume / point	1 - 10,000 ml	1 - 3,000 ml
Stirring power (max.)	20 watts	10 watts
Material housing	Stainless steel	
Operation conditions	-10 up to +50 °C (at 100% humidity)	
Operation conditions	+50 °C in water (HT up to +95° / +200° in air)	
Operating voltage (max.)	48 VDC	
Dimensions (WxDxH)	180 x 180 x 38 mm	120 x 120 x 35 mm
Protection category	IP 68	
Weight (gross)	approx. 3.3 kg	approx. 1.5 kg
Order no.	40001	40101
Order no. HT Version	40201	40301

Customized versions and modified unit sizes on request.

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STIRRING SYSTEMS WITH EXTERNAL CONTROL

Designed for chemical, biotechnical and medical applications of all kinds, developed for maximum requirements, maximum mechanical, thermal and chemical stability as well as uncompromising continuous operation.

2mag MIXdrive 1 XS





Ultra flat, wear-free magnetic stirrer with 1 stirring position, optimized for stirring volume up to 1,000 litres, ideal size for integration.

1 stirring position, 100% maintenance-free and wear-free by inductive 2mag-Magnetic-Drive concept for powerful mixing of solutions, jerk-free stirring even at low speeds

Fully encapsulated and hermetically sealed stainless steel housing, thread M4 integrated in stainless-steel bottom plate (not HT-version), IP68, water-, dust- and germproof, extremely robust construction and performance, easy to clean and maximum resistance, submersible in water- resp. oil baths, suitable for the use in CO₂-incubators and ovens.

2 different temperature ranges available:

MIXdrive Basic-Version up to +95 °C, **MIXdrive HT-Version** up to +200 °C submerged in water baths and up to +200 °C in ovens, individual dimensions on request.

-  Wear-free magnetic stirrer up to +200°C
-  Submersible, up to +95 °C
-  Maximal resistance
-  Integrable in systems



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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	MIXdrive 1 XS
Stirring points	1
Stirring volume / point	1 - 1.000 ml
Stirring power (max.)	10 watts
Material housing	Stainless steel
Operation conditions	-10 up to +50 °C (at 100% humidity)
Operation conditions	+50 °C in water (HT up to +95° / +200° in air)
Operating voltage (max.)	48 VDC
Dimensions (WxDxH)	48 x 48 x 18 mm
Protection category	IP 68
Weight (gross)	approx. 0.25 kg
Order no.	40300
Order no. HT Version	40303

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STIRRING SYSTEMS WITH EXTERNAL CONTROL

Designed for chemical, biotechnical and medical applications of all kinds, developed for high requirements, high resistance as well as uncompromising continuous operation.

2mag cuvetteMIXdrive 1

Miniaturized, wear-free magnetic stirrer with 1 stirring position for cuvettes, optimized for stirring volume up to 25 ml, ideal size for system integration e.g. in photometer.

1 stirring position, 100% maintenance-free and wear-free by inductive 2mag-Magnetic-Drive concept for reliable mixing of solutions, jerk-free stirring even at low speeds.

Fully encapsulated and hermetically sealed stainless steel housing, IP68, water-, dust- and germproof, extremely robust construction and performance, easy to clean and maximum resistance, submersible in water- resp. oil baths, suitable for the use in CO₂-incubators and ovens.

- 🌀 New developed magnetic stirrer
- 🌀 Wear-free magnetic stirrer
- 🌀 Ideal for integration
- 🌀 Outstanding long-life quality
- 🌀 3 years warranty

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

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Technical data

Type	cuvetteMIXdrive 1
Stirring points	1
Stirring volume / point	1 - 25 ml
Stirring power (max.)	10 watts
Material housing	Stainless steel
Operation conditions	-10 up to +50 °C (at 100% humidity)
Operation conditions	+50 °C in water, submersed
Operating voltage (max.)	48 VDC
Dimensions (WxDxH)	13 x 13 x 6 mm
Protection category	IP 68
Weight (gross)	approx. 0.1 kg
Order no.	40400
Order no. HT Version	not available

Customized versions and modified unit sizes on request.



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CONTROL UNITS

Designed for all stirring drives MIXdrive.

2mag MIXcontrol eco

Price-optimized control unit for small to medium volumes and the connection of one stirring drive MIXdrive.

Control unit with 10 watts stirring power, speed range from 100 up to 1,200 rpm, SoftStart for reliable catching/centering and safe accelerating of the stirring bar.

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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2mag MIXcontrol eco DINrail

Price-optimised control unit for DIN rail installation (electrical cabinets)

Control unit for DIN rail installation (electrical cabinets) for small to medium volumes and the connection of one stirring drive MIXdrive, with analog interface 0-10 volts, for ON/OFF and speed adjustment.

Control unit with 10 watts stirring power, speed range from 100 up to 1,200 rpm, SoftStart for reliable catching/centering and safe accelerating of the stirring bar. Interfaces (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.

Technical data

Type	MIXcontrol eco	MIXcontrol eco DINrail
Speed range	120 - 1,200 rpm	
Stirring power (max.)	10 watts	
Material housing	Plastics molding	
Operation conditions	0 up to +40 °C (at 80% humidity)	
Electrical data	100-240 V / 50-60 Hz / 0.75 A	
Dimensions (WxDxH)	24 x 100 x 120 mm	24 x 100 x 120 mm
Protection category	IP 20	
Weight (gross)	approx. 0.5 kg	
Order no.	90100	90150

Customized versions and modified unit sizes on request.



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CONTROL UNITS

Designed for all stirring drives MIXdrive.

2mag MIXcontrol 20

Universal control unit for the connection of one stirring drive MIXdrive.

Control unit with 20 watts stirring power, speed range from 100 up to 1,600 rpm, jerk-free stirring also at low speeds, 4-step power setting (25/50/75/100%), not suitable for using MIXdrive in incubators.

Clear digital display for speed- and power settings, SoftStart for reliable catching/centering and safe accelerating of the stirring bar. QuickSet for quick setting of start- and maximum speed, automatic memory function to save the last settings, resistant stainless steel housing, easy to clean.

Interfaces (0-10 volts, 4-20 mA, 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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2mag MIXcontrol 20 RS232

Universal control unit with interface RS232, for the connection of one stirring drive MIXdrive.

Identical to MIXcontrol 20, but with RS232 interface.

motion

Technical data

Type	MIXcontrol 20	MIXcontrol 20 RS232
Speed range	100 - 1,600 rpm	
Stirring power (max.)	20 watts	
Power setting	25/50/75/100% (4-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	
Protection category	IP 20	
Weight (gross)	approx. 1.4 kg	
Order no.	90200	90210

Customized versions and modified unit sizes on request.

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CONTROL UNITS

Designed for all stirring drives MIXdrive.

2mag MIXcontrol 40

Powerful control unit, for 2mag MIXdrive series, developed for the hard daily lab use and uncompromising continuous operation, e.g. in incubators.

Powerful control unit for the connection of up to **two stirring drives MIXdrive**, powerful 40 watts stirring power, wide speed range from 100 up to 2,000 rpm, jerk-free stirring also at low 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 incubators.

Clear digital display for speed- and power settings, SoftStart for reliable catching/centering and safe accelerating of the stirring bar. QuickSet for quick setting of start- and maximum speed, automatic memory function to save the last settings, resistant stainless steel housing, easy to clean.

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

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

- 🌀 Maximum performance
- 🌀 Connection for 2 stirring drives
- 🌀 For using MIXdrive in incubators



magnetic



2mag MIXcontrol 40 RS232

Powerful control unit with interface RS232, for 2mag MIXdrive series, developed for the hard daily lab use and uncompromising continuous operation, e.g. in incubators.

Identical to MIXcontrol 40, but with RS232 interface.

motion

Customized versions and modified unit sizes on request.

Technical data

Type	MIXcontrol 40	MIXcontrol 40 RS232
Speed range	100 - 2.000 rpm	
Stirring power (max.)	40 watts	
Power setting	10 - 100% (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	
Protection category	IP 20	
Weight (gross)	approx. 1.4 kg	
Order no.	90400	90410

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