

MAGNETIC STIRRERS

WELL-PROVEN CONCEPTS - INNOVATIVE PRODUCTS

magnetic motion



- 100% wear- and maintenance-free
- 30% more stirring power than comparable systems
- Super-flat, space-saving stirring drives - ideal for robotics
- Made for permanent operations
- Heat resistant and submersible
- Synchronous speed at all stirring positions
- Zero-stand-by power supply units
- Individual configurations fast and economic realizable
- Experience with inductive and magnetic drive concepts since 1974



INDUCTIVE DRIVE - MAINTENANCE- AND WEAR-FREE

Our magnetic drives are working on the inductive principle. This means that instead of conventionally problematic motors with pull magnets, 2mag is working with stationary coils, which are defined flow through by alternating currents. The thereby generated electromagnetic rotating field is 100% wear- and maintenance-free. The drive does not have any mechanically moved parts, as e.g. belts, bearings or motors. Therefore, the drives are reliable and absolutely wear-free even at high operation temperatures (up to +300 °C).





Single stirring point	Multiple stirring points
Up to 3 litres stirring volume, without motor	
MIX 1 eco	
accuMIX	
luMIX	
cuvetteMIXdrive 1	
MIXdrive 1 XS (HT)	
MIXdrive 1 eco (HT)	
	MIX 15 eco
Up to 10 litres stirring volume, without motor	
MIX 1	
	MIX 4 MS
	MIX 6
	MIX 15
	MIX 8 XL
	MIX 12 XL
MIXdrive 1 (HT)	
atexMIXdrive	
	MIXdrive 6 (HT)
	MIXdrive 15 (HT)
	MIXdrive 60 (HT)
Up to 1,000 litres stirring volume, strong	
MIX 1 XL	
MIXdrive 1 XL	
maxMIX	
MAXdrive	
FABdrive	
steriMIXdrive	
For cell cultures, warming-free	
bioMIX 1	
bioMIXdrive 1	
	bioMIXdrive 2 / 3 / 4
For microtiter plates	
	MIXdrive 6 / 12 / 24 / 96 MTP
Heatable stirring systems	
hotMIX 1	
	STIRRING DRYBATH 15-100
	STIRRING DRYBATH 15-250
	STIRRING DRYBATH 8-250 ERL
	STIRRING HOTPLATE 6
	STIRRING HOTPLATE 15
with external control unit	

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The main importance of our passion lies upon our customers and our products! 2mag is providing you more than 30 years of competence in the conception, development, production and sales of magnetic and inductive drive concepts, as e.g. magnetic stirrers. This experience paired with a great passion and emotion for our customers – and our products – enables the fast and economic creation of solutions precisely for your needs.

„Customizing“, the manufacturing of special made products, is our business, our competence and our passion! Individual requests will result in individual – and even more important – also economically realizable solutions.

Ask us – test us – we are there for you!

emotion for motion

- Customer-oriented
- Short communication ways – competent team
- Direct access to experienced contact persons
- Fast reactions
- Innovative products
- Well-proven concepts
- Experience with inductive and magnetic drive concepts since 1974

STIRRING-HEATING BLOCKS WITH EXTERNAL CONTROL UNIT

For viscosity measurements, R&D, combinatorial chemistry, biological applications, testing the solution behavior of synthetic materials, quality control in food, chemical and waste water technology, simple and easy system integration.

STIRRING DRYBATH 8-250 ERL

Stirring-heating block combination with 8 stirring positions (ø 87.2 mm, depth 78 mm, distance 100/140 mm), suitable for 250 ml Erlenmeyer flasks.

- ⌚ Fast heating-up
- ⌚ Energy-saving
- ⌚ Insulated frame
- ⌚ Durable quality
- ⌚ Developed and made in Germany



Type	DRYBATH 8-250 ERL
Stirring points	8
Stirring point distance	100 / 140 mm
Bore holes ø/T	ø 87.2 / 78 mm
Stirring volume/stirring point	1 - 250 ml
Stirring power (max.)	40 W
Power setting	10 - 100% (10-step)
Temperature range	+40 °C up to +200 °C
Speed range	100 - 2,000 rpm
Operating voltage	230 V
Heating power (max.) at 230 V	1,150 W
Dimensions (WxDxH)	335 x 515 x 150 mm
Protection category	IP20
Weight (gross)	approx. 40 kg
Order no.	63825

Individual units and dimensions on request.
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.

Stirring - Maintenance-free and wear-free by inductive 2mag-Magnetic Drive concept, extremely wide speed range of 100 to 2,000 rpm, 100% synchronized speed, jerk-free stirring even at low speeds, 10-step power setting of the stirrer, high stirring power for viscous liquids and reduced stirring power for long-term operation without any heating effects caused by the stirrer, clear digital display for settings of stirrer speed, stirrer power and temperature of the integrated heater, SoftStart procedure for reliable catching/centering and safe acceleration of the stirring bar.

Heating - Massive heating block made of resistant aluminium alloy, PTFE-coated for increased chemical resistance and easier cleaning, contact adapters for an optimal heat transfer, lowest possible temperature gradient inside the stirring vessels, integrated electrical heater, maximum heating temperature +200 °C.

PowerDetect for automatic compensation of physically determined loss in stirring power which can come up to 40% at high temperatures, specially made insulated stainless steel frame for energy- and time saving heating process, additionally for a homogenous temperature distribution and protection against accidental contact, independent over-temperature protection inside the plate.

Inclusive separate control unit for operation of magnetic stirrer and integrated heater, for long-term protection of the electronics against aggressive liquids and gases as well as thermal influences, stainless steel housing.

Inclusive 8 contact adapters for an optimized heat transfer.

Accessories

External probe sensor Pt100
Stand for heatMIXcontrol

External probe sensor Pt100

External probe sensor Pt100 for control unit heatMIXcontrol.



Temperature sensor for direct controlling of the probe temperature.

Compatible control units
heatMIXcontrol

Reducing adapter

Inserts (aluminium alloy) for STIRRING DRYBATH 15-100 and STIRRING DRYBATH 15-250 for reducing the bore hole diameter.



For reduction of the bore hole diameter, guarantees an excellent heat transfer in the case of using smaller glasses. Individual inner diameter on request.

Compatible stirring drives
STIRRING DRYBATH 15-100
Stirring-heating block combination, 15 stirring positions for 100 ml laboratory flasks.
STIRRING DRYBATH 15-250
Stirring-heating block, 15 stirring positions for 250 ml laboratory flasks.

magnetic motion

Type	External probe sensor Pt100	
Sensor type	Pt100	
Material	stainless steel	
Dimensions (ØxL)	Ø 3 x 150 mm	
Cable length	1 m	
Weight (gross)	approx. 0.1 kg	
Order no.	69100	

Reducing adapter	for DRYBATH 15-100	for DRYBATH 15-250
Outer dimensions (ØxH)	Ø 57.5 x 47 mm	Ø 71.5 x 78 mm
Inner diameter	on request	
Order no.	on request	

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