

We think that even a laboratory classic can always be made better: The magnetic stirrer was invented more than seven decades ago, but the world's best-selling stirrers have never been as powerful, energy-efficient, safe and durable as the modern IKA magnetic stirrers. We have developed devices for mixing tasks involving an extensive range of volumes and viscosities, with and without heating function, and even for multiple syntheses in up to 36 vessels at the same time. And now there is also the I-MAG industrial magnetic stirrer for large volumes.

I-MAG Industrial magnetic stirrer

/// The magnetic stirrer for large volumes

The powerful I-MAG mixes volumes of up to 300 liters. In production, it is suitable for large volumes with low viscosity; in pilot scale, it also mixes higher viscosity media. I-MAG has a strikingly compact design and integration into process plants or networks is simple: I-MAG comes with numerous digital and analog interfaces and can be controlled in a fully automated manner, e.g. with the labworldsoft® 6 laboratory software.



ROBUST AND STRONG

The drive unit consists of a powerful, wear-free motor and the magnetic coupling with high-performance neodymium magnets. Thus, it mixes particularly effectively - even liquids in double-walled containers or containers with insulated bottoms. Thanks to its closed stainless steel housing, I-MAG has a very high IP protection class of 64, which means that it can be used without restriction even under harsh conditions and is easy to clean.

PROCESS-SAFE

In order to reliably achieve high speeds even under difficult conditions, I-MAG has an adjustable start-up speed that prevents the magnetic stir bar from breaking off during the acceleration phase. It is also process-safe thanks to integrated detection of magnetic stir bar coupling. In the event of a tear-off or failure of magnetic coupling, the user is informed via the operating unit.

IKA Plate (RCT digital)

EUR 966,00

Ident. No. 0025004601



RCT 5 digital

EUR 991,00

Ident. No. 0020002704



New: 850 W heating power

C-MAG HS 7 control

EUR 991,00

Ident. No. 0020002694



RET control-visc

EUR 1.641,00

Ident. No. 0005020000

Weighing function & pH measurement

RET control-visc white

EUR 1.693,00

Ident. No. 0005030000



TECHNICAL DATA	IKA PLATE (RCT DIGITAL)	RCT 5 DIGITAL	C-MAG HS 7 CONTROL	RET CONTROL-VISC WHITE
Stirring quantity max. (H ₂ O)	20 l	20 l	20 l	20 l
Direction of rotation	right left	right left	right left	right
Speed range	50 – 1500 rpm	50 – 1500 rpm	50 – 1500 rpm	50 – 1700 rpm
Heat output	600 W	850 W	1000 W	600 W
Heating temperature range	RT + device self heating – 310 °C	RT + device self heating – 310 °C	RT + device self heating – 500 °C	RT + device self heating – 340 °C
Set-up plate material	Aluminium alloy	Aluminium with ceramic coating	Ceramic	Stainless steel 1.4301 Coated
Load capacity weighing function max.	–	–	–	5 kg
Set-up plate dimensions	Ø 135 mm	137 × 137 mm	180 × 180 mm	Ø 135 mm
Dimensions (W × H × D)	160 × 85 × 270 mm	160 × 85 × 270 mm	220 × 88 × 354 mm	160 × 85 × 270 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 21	IP 42