

bio-M[®] Magnetic Agitators for sterile Applications

The bio-M[®] magnetic agitator is the result of many years of experience and know-how attained working in both the bio- and food industry. The bio-t engineering team have tested their product at great lengths in many production facilities, with continuously proven reliability. This agitator is the optimum choice when CIP and SIP are the requirements. The agitator has been designed and manufactured to provide as large clearances as possible and therefore to enable perfect cleaning in less CIP cycles.



bio-M[®] magnetically coupled drive, no seals

bio-M[®] Impeller layout to process requirements

bio-M[®] agitators meet GMP requirements

bio-M[®] magnetic agitators tested according to EHEDG directive

bio-M[®] bottom entry magnetic agitator standard, with weld plate or removable containment shell

Type	Ø Impeller	Power	max. speed	Gap between Impeller and Containment shell	Mixing capacity min. – max
bio-M 30	75 mm	60 W	1000 rpm	2 mm	10 – 100 Ltr.
bio-M 75	100 mm	0.12 kW	700 rpm	3,3 mm	50 – 250 Ltr.
bio-M 100	125 mm	0.18 kW	450 rpm	3,3 mm	100 – 500 Ltr.
bio-M 300	150 mm	0.25 kW	450 rpm	3,5 mm	250 – 750 Ltr.
bio-M 550	175 mm	0.37 kW	420 rpm	4,5 mm	500 – 1 600 Ltr.
bio-M 850	200 mm	0.55 kW	380 rpm	7 mm	1 000 – 3 000 Ltr.
bio-M 1200	250 mm	0.75 kW	260 rpm	7 mm	1 500 – 5 000 Ltr.
bio-M 2500	300 mm	1.1 kW	240 rpm	7 mm	2 500 – 8 000 Ltr.
bio-M 4000	350 mm	1,5 kW	220 rpm	7 mm	3 500 – 10 000 Ltr.
bio-M 7500	400 mm	2,2 kW	220 rpm	7 mm	6 000 – 20 000 Ltr.
bio-M 13000	500 mm	3 kW	170 rpm	7 mm	10 000 – 30 000 Ltr.
Material :	1.4435 / 1.4539 with 3.1B – material cert., ceramic bearing SIC vs ZrO ₂				
Surface finish:	standard : Ra < 0,6 µm, electropolished				