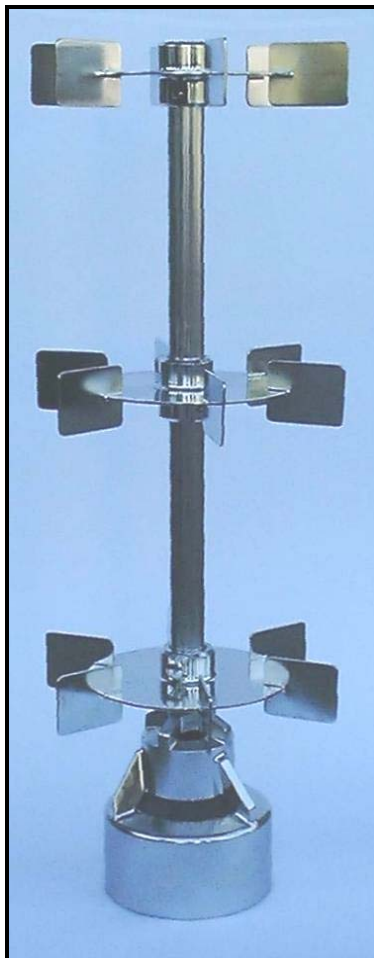


bio-m[®] Magnetic Agitators for Bioreactors

The bio-m[®] magnetic agitator with shaft is the result of many years of experience and know-how attained working in the bio-industry. The bio-t engineering team have tested their product at great lengths in many production facilities, with continuously proven reliability. This agitator has been designed to provide a long contamination free cultivation time.

The shown agitator type **bio-m[®] 7500 F** is running in a 1000 L bioreactor for animal cell cultures. Thanks to the rugged bearing design a shaft bearing at the top is not necessary.



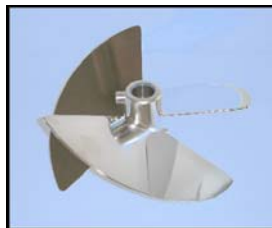
bio-m[®] 7500F with Rushton Turbines



Pitch blade Turbine



marine type propeller



"elephant ear" impeller

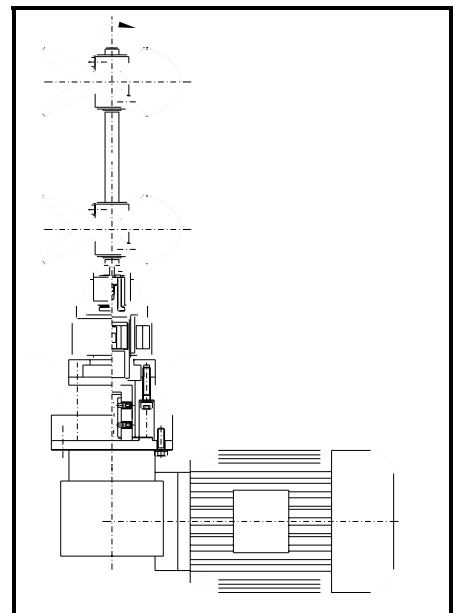


Drive with Lowering device

bio-m[®] mixing impellers for all bio-process applications

bio-m[®] agitator layout to process requirements

bio-m[®] agitators meet GMP and EHEDG requirements



Standard bio-m[®] bottom entry magnetic agitators for bioreactors (Type / max. torque)

bio-m [®] 30F	bio-m [®] 300F	bio-m [®] 550F	bio-m [®] 850F	bio-m [®] 1200F	bio-m [®] 2500F	bio-m [®] 4000F	bio-m [®] 7500F
30 Ncm	300 Ncm	550 Ncm	850 Ncm	1200 Ncm	2500 Ncm	4000 Ncm	7500 Ncm

Material: 1.4435 (Option: 1.4539) with 3.1B – material cert., ceramic bearing SiC vs ZrO₂

Surface finish: Standard bio-m[®] : Ra < 0,8 µm, electropolished