

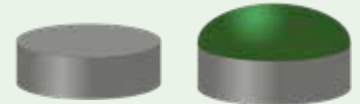
Long-shaft agitator **HMT**



The HMT long-shaft agitator is designed for use in fermenters, digestate tanks and reception pits. Equipped with an external motor, it is installed on the side of the tanks with a mounting frame embedded in concrete.

A particular feature of our HMT B Bi-Adjustable model is that it can be easily adjusted both horizontally and vertically.

Applicable on both concrete-ceilinged and membrane-roofed tanks



Benefits:



High efficiency with very low energy consumption thanks to the innovative propeller design



The shape of the 3-blades stainless-steel propeller guarantees high mixing efficiency allowing to **maximize the gas production**.



Versatile and practical bi-directional adjustment solution



Easy assembly and possibility to perform maintenance staying outside the tank



Technical features :

Type	Power (kW)	Voltage (V)	Frequency (Hz)	Propeller speed (rpm)	ø Propeller (mm)	Length (m)
HMT B	15.0	400	50	280	740	2 / 3 / 4
	18.5				770	

Conditions of application

- Min. / Max. operating temperature -20 / +70°C
- Max. dry matter: 14%
- pH of the treated liquid: 5.5 – 8.5

Motor and gearbox

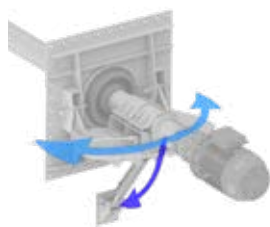
- IE3 motor 15 / 18,5 kW 400/690V 50Hz 1.450 rpm IP 55
- PTC Thermal probe as overheat protection
- Planetary gear ratio I=5.17

Propeller

- AISI 304 3-blades propeller – precise dynamically balance

Bi-directional adjustment

- Horizontal adjustment +/- 25° through threaded rod
- Vertical adjustment 0-30° through manual hydraulic cylinder

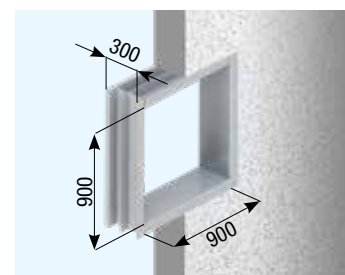
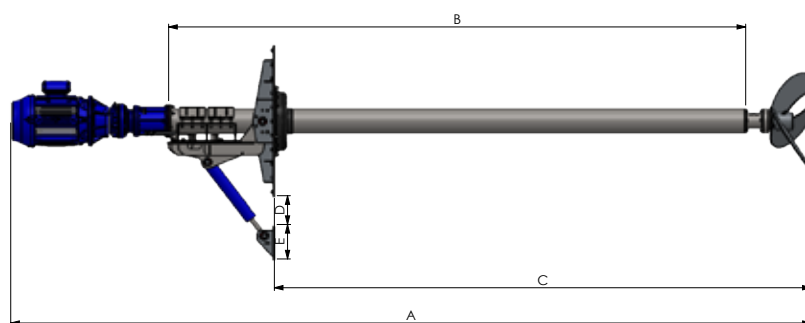
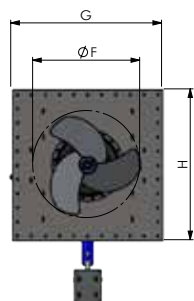


Transmission

- AISI 304 Outer tube ø 168.3 mm
- AISI 304 Modular transmission inner tube ø 88.9 mm
- Oil bath C40 steel drive shaft ø 35 mm
- Elastic coupling between gear box and drive shaft

Other features

- Oil filling and level control pot
- Bearing housing with cemented carbide mechanical seal, independent AISI 304 shaft ø 50 mm and couple of tapered roller bearings.
- Mixer frame completely manufactured in AISI 304
- EPDM rubber sealing membrane th. 6 mm
- AISI 304 wall mounting frame



Wall mounting frame

Type	Power (kW)	Length (m)	Dimensions (mm)							
			A	B	C	D	E	F	G	H
HMT B	15.0	2	3,605	2,000	1,750	200	240	740	1.060	1.060
		3	4,605	3,000	2,750					
		4	5,605	4,000	3,750					
	18.5	2	3,605	2,000	1,750			770		
		3	4,605	3,000	2,750					
		4	5,605	4,000	3,750					

Note: All dimensions may vary by 10 mm.