



MARLLIN
Magnetic stirrers

OPTIONS

V 01-2018-EN



MARLLIN®

Be attracted by the magnetic technologies...

Options in the AGM-FC range

TA Tachometer

Detects actual speed of the stirring unit.

Its presence doesn't affect the shape of the stirrer as this inductive magnetic sensor is embedded within the body of the AGM-FC. The slots for those sensors are originally part of the design. The tachometer can be plugged into the stirrer at any time. The cable length is 2 meters (for any other type, contact us). This option includes one inductive magnetic sensor + 2 meters of molded cable.



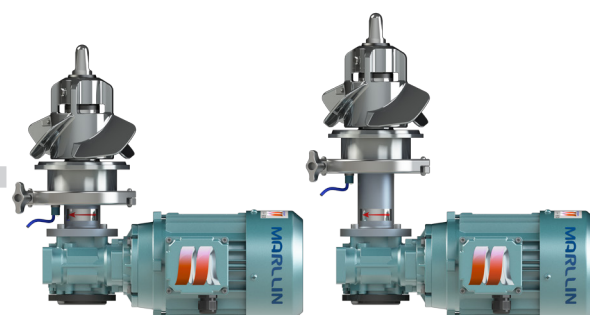
FCC Frequency-to-current converter

A frequency-to-current converter retrieves and converts the sensor's information (1 pulse per round, in round per minute).

Recommended type : P&F KFU8-FSSP-1.D

ED Extension for double jacket

The AGM-FC is supplied as standard with an extension for simple jacket. However, it is possible to mount it with an extension for double jacket so the insulation is avoided.



EP Electrolytic polishing

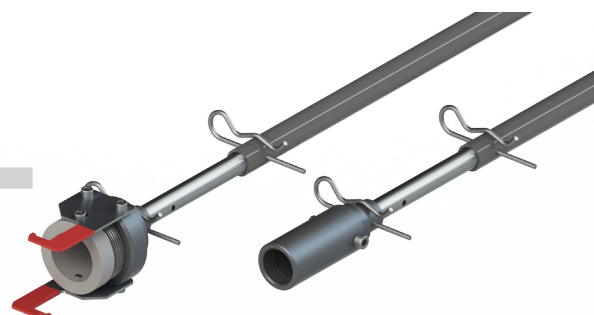
Standard finish is mirror polishing MP ($R_a < 0.3\mu\text{m}$). It can optionally be supplemented with electrolytic polishing.

DR Dismounting rod

It is used to mount the small guide pin at the bottom of the vessel through the manhole from the outside. Similar operation with the same rod and a different nozzle for the assembly and disassembly of the stirring unit. Its telescopic handle allows it to be used in vessels of different heights.

The dismounting rod exists in two versions :

For AGM-FC 100 & 130 – For AGM-FC 160 & 200.



CP Counter-piece

It comes in place of the driving unit in order to be able to move the vessel with the stirring unit inside, to go through thresholds and to insert it all into washing machines and dryers. The vessel can be put upside down and the stirring device won't move thanks to axial attraction ; easy to install, the counter-piece uses the clamp system of the driving unit of the stirrer.

This option exists from sizes 80 to 240.



MT Maintenance tools

A set of tools for the disassembly of fixed bearings and stirring units on site by customer's maintenance operators.



Options in the AGM-FC range

FSJ Free-spool jack

It is composed of a column placed under the driving unit and a handle which is fixed under the stirrer, even during operation. This option is recommended for medium and large AGM-FC stirrers. It is made to get the two rotors out of sync to avoid having magnetic resistance during assembly or disassembly of the stirring device. Without this system, the magnetic attraction force will strongly press the stirring unit on its axis and make any maintenance operation nearly impossible with the driving unit mounted.



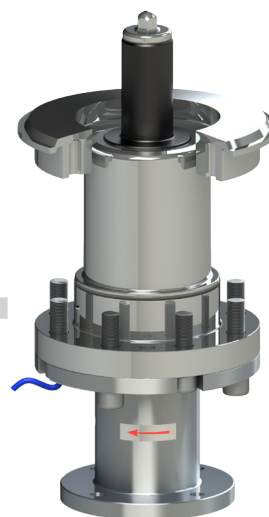
ZIR AGI-Zir® reinforced bearing

The fixed AGI-Zir reinforced bearing is a new material developed to improve silicium carbide (AGI-Carb) performances. It allows our stirrers to operate without liquid (after emptying or during CIP) for a long time and to withstand shocks during transportation and manipulations.



QDC Quick disassembly by clamp

This option is for AGM-FC-240 and 290 only. Those stirrers are mounted with threaded flanges (TF) as standard.

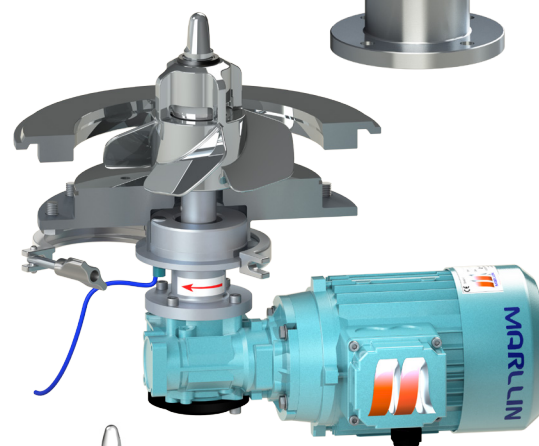


FGO Food grade oil

Standard gearbox oil is replaced with food grade oil.

RSC Removable sealing can

This option includes a removable sealing can, a welding flange with bronze and stainless steel pins. Those pins limit deformations caused by welds and they allow boilmakers to run hydraulic tests on vessels without the stirrers on.



CRSC Completely removable sealing can

This option allows the disassembly of the stirrer from the bottom flange of the vessel. For stirrer maintenance, there is no need for the operator to enter the tank. This option is composed of a removable sealing can, a welding flange with bronze and stainless steel pins. Those pins limit deformations caused by welds and they allow boilmakers to run hydraulic tests on vessels without the stirrers on.



BM Building materials

Our stirrers are built in 316L (1.4404) and 316Mo+ (1.4435) as standard. However, there are options for exotic materials such as Alloy (C22, C276, HC2000...), URANUS (UB6, U45N), 316 TI or solid 316Mo+. For those options, contact us.

BL Brushless motor

Brushless motors are the market's most advanced drive technologies. Their smooth surface, cast iron housing, non-ventilated are a perfect fit for pharmaceutical industry. By technology, they are low-weight and of reduced size unlike asynchronous standard motors.

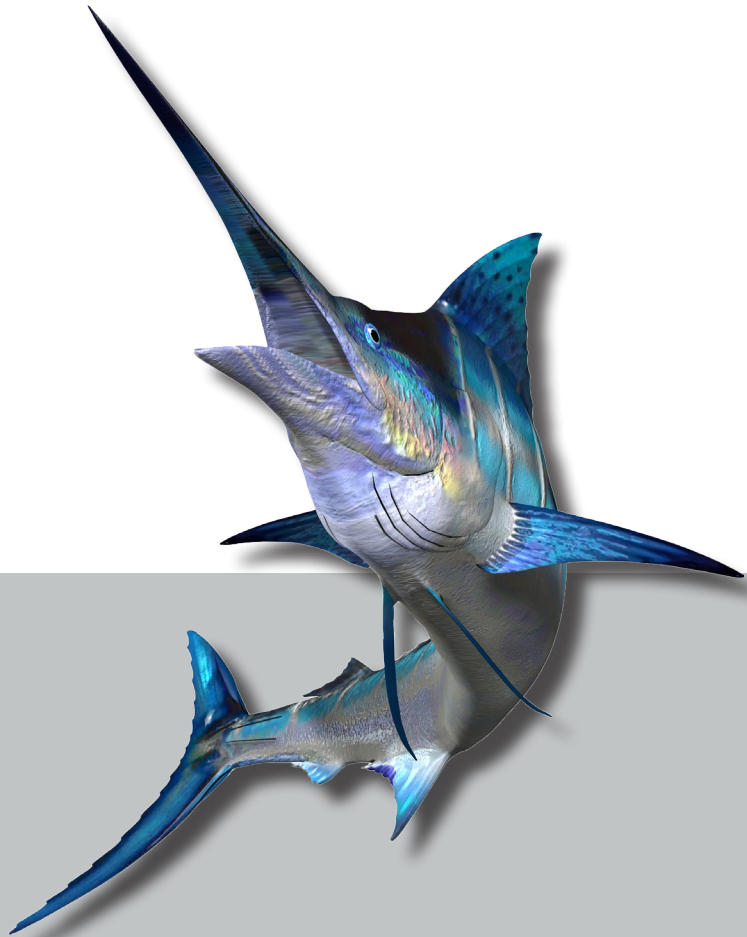




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