

STAINLESS MOTOR ENSURES PRODUCT INTEGRITY FOR ANIMAL HEALTH PRODUCT MANUFACTURER

The UK arm of an international Group that specialises in the development and manufacture of animal health and nutritional products has recently upgraded a key mixer by fitting a stainless steel AC motor to ensure the highest hygiene standards are achieved and maintained.



The mixer, which is located in a hose-down environment, was previously fitted with a standard 4kW 2 pole motor. This motor inevitably proved to be not up to the task, manifested by early flaking of paint and subsequent corrosion, plus a vulnerability to ingress of water which ultimately resulted in failure.

Although early motor failure was a problem, the real concern for the company was avoidance of batch contamination as the motor is located above the mix.



As a major international supplier of animal health and nutritional products, product integrity and associated hygiene are central to its operation. Users of its products are reliant upon them to provide benefits for their animals not to put them at risk!

Hence, when the original motor failed the company explored the options and selected a stainless steel motor from Marlin Stainless, a division of Lafert Electric Motors. The motor was supplied by Webb-Elec, the Marlin Stainless authorised distributor and repair agent in the West Midlands region.

Being stainless the motor avoids all the problems associated with flaking paint and corrosion, and with an entirely smooth body with no crevices for dirt to build-up in, the risk of contamination is negligible. There is not even a nameplate because the motor details are etched into the body of the motor.

Combined with the hygiene benefits, the motor is IP66 rated, which means the motor is hose-down tolerant so the risk of failure due to the ingress of moisture is avoided.

Yet another advantage offered by Marlin motors is the fact they are true IEC metric dimensioned motors. This means they are straight replacements for standard motors demanding no engineering modifications of equipment prior to installation.

Marlin stainless motors have an expanding market in applications demanding high levels of hygiene and water resistance, particularly where frequent motor replacement and/or maintenance are involved. This is because savings on down time and cost of replacing standard motors frequently result in rapid payback times – some a matter of just weeks!

Marlin motors are available as TEFC machines covering from 0.18 to 7.5kW and as TENV units in power ratings up to 0.75kW from 63 frame. A compatible range of stainless steel gearboxes is also available.

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