

OLI VIBRATORS

FOR EFFICIENT, EFFECTIVE EFFLUENT SEPARATION



Over the last decade there have been significant changes to the management of effluent within New Zealand's dairy sector. An Ashburton company, Rainer Irrigation Limited, who work with farmers, understood this was a major concern and started researching ways farmers could separate solids from liquid after cowshed and feed pad washdown. "After significant research and prototype development, we built an effective effluent separation system using a screen and an Oli industrial vibrating motor that worked well for farmers," says Gavin Briggs, managing director at Rainer. "The original system was powder coated and Rainer decided to change to galvanising. This change, however, created a major issue where the system's sides warped in the galvanising process due to the heat. We needed to rethink their whole system."

In discussing the warping issue with Electrical Motor Group (EMG) – supplier of Oli vibrators – EMG calculated by changing to two smaller Oli vibrators the size and shape of the system could change alleviating the warping issue. "This change to using two Oli vibrators has been significant. The system is now much more effective; the extra vibration allows higher volumes of effluent to be processed in a shorter time frame plus the extra vibration separates solids down to 1mm and separated water can be recirculated for wash down," says Briggs. EMG is an importer and distributor of Oli industrial vibrators for the New Zealand market. The EMG group have four locations throughout New Zealand: Brook MTL in Auckland, Rotating Machinery Supplies Ltd (RMS) in Hamilton and Christchurch and SOCO Ltd in Palmerston North. EMG stocks a range of MVE industrial vibrators including micro, DC, stainless steel plus pneumatic vibrators.



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