

REDUCING AERATING/DILUTING COSTS – SIGNIFICANTLY

Aerating and diluting costs in industries such as sewage treatment, wine making, oxidisation and others are always under scrutiny due to the high cost of running large blowers and/or compressors.

The answer of course is to reduce these expenses without high cost pumping equipment, and the innovative J S Melbourne Controls has done just that with its new Hydro Aerator/Diluter, by providing high vacuums at low fluid pressures.

The very cost effective device has been developed on Melbourne's highly regarded vortex/shear principle and enables it to generate -90 Kpa vacuum with low pressure of about only 300 Kpa from a low cost pump. Tested by the CSIRO, Melbourne's Hydro Aerator/Diluter remarkably contains no moving parts, and provides full bore flow with no obstructions.

John Melbourne stated that his company had been working on the new devices for quite some time utilising extensive research and development to achieve the desired results. But then that's nothing new for Melbourne who's innovative approaches to industry problems have seen his efforts rewarded many times over, including the recent inaugural induction into The Manufacturing Hall of Fame.

The company has now developed units for both industrial and food applications which are suitable for a wide variety of processes including diluting thick pastes, water treatment, water stripping, ozone mixing and fish pond aeration.

In keeping with the philosophy behind the Melbourne product range, the new Hydro Aerator/Diluter contains no moving parts which could endanger worker safety, and is literally maintenance free, further reducing plant operating costs.

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