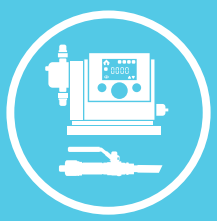
Hydra-Mix

Hydra-Mix provides continuous mixing for reservoirs with an integral sampling and dosing unit. It analyses and treats the water to maintain the required water quality



Low maintenance system, designed to provide continuous mixing for large tanks and reservoirs. Includes chlorine injection point and sampling for analyers used to control process parameters

www.trility.com.au

Reducing the presence of dead spots and the effects of chlorine stratification whilst maintaining uniform chlorine residual levels

The Hydra-Mix submersible mixer is designed for use in water reservoirs to reduce the effects of chlorine stratification and to maintain chlorine residuals levels. It provides mixing, sampling and/or chemcial dosing to the reservoir to control water quality.

The mixer sizing and number of eductors are determined by the reservoir volume and the required turnover time. The Hydra-Mix unit is positioned on the floor of the reservoir with the educator nozzles facing upwards and towards the centre of the reservoir to minimize any chance of disturbing sediment that may be on the bottom of the reservoir.

A water sample is taken from the mixer discharge via a dedicated sample line to a chlorine analyser, this in turn controls a metering pump or device which supplies metered chemical to an injection point on the side of the mixer unit. Mixing takes place in the pump discharge pipe work before the eductors and is then dispersed around the reservoir.

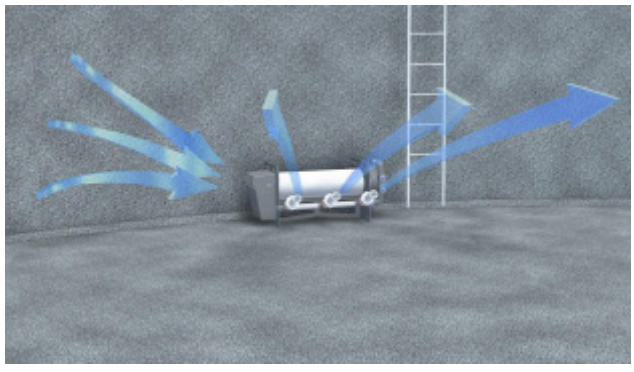
Multiple units can be installed in a reservoir as long as there is access, or they can be placed by a diver. The smaller units can be solar powered for remote sites where there is no mains electricity. The Hydra-Mix unit can be used on other mixing, dosing and sampling applications, including pH correction with the addition of more injection points.

Benefits

- Reservoir does not require emptying for installation
- Minimum installation cost
- Low maintenance
- Sampling and dosing is performed in one operation
- Installation completed in a few hours
- Low running costs compared to external recirculation systems
- Up to 9.2kW systems can be run on solar panels
- Installation to any existing reservoir, including tanks with liners
- Analyser, chemical dosing and solar package options designed to meet requirements
- Optional insulated enclosure
- Sample water can be returned directly back to the reservoir (maximum of 10m high reservoir)

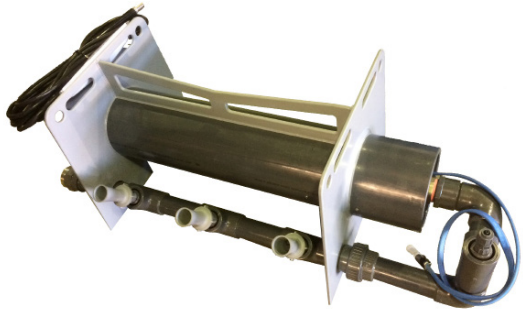
Installation requirements

- Access to the inside of the reservoir
- Power supply - mains or solar
- The mounting position for the dosing system and analyser must be in close proximity to the reservoir
- It is recommended that the reservoir be cleaned before installation, to minimise any sediment disturbance



Applications

- Used in water reservoirs to avoid water degradation ensuring water quality is continuously maintained



www.trility.com.au

For further information

Western Australia
+61 8 9412 6100

South Australia and Northern Territory
+61 8 8374 7800

Queensland
+61 7 3802 9500

Victoria
+61 3 9325 3900

Tasmania
+61 3 6391 7300

New South Wales and Australian Capital Territory
+61 2 4350 8200

sales@trility.com.au