

Heron

Mix-Tank Dosing System



Heron's mix tank dosing system is designed for applications requiring accurate dosing of acid and fertilizer.

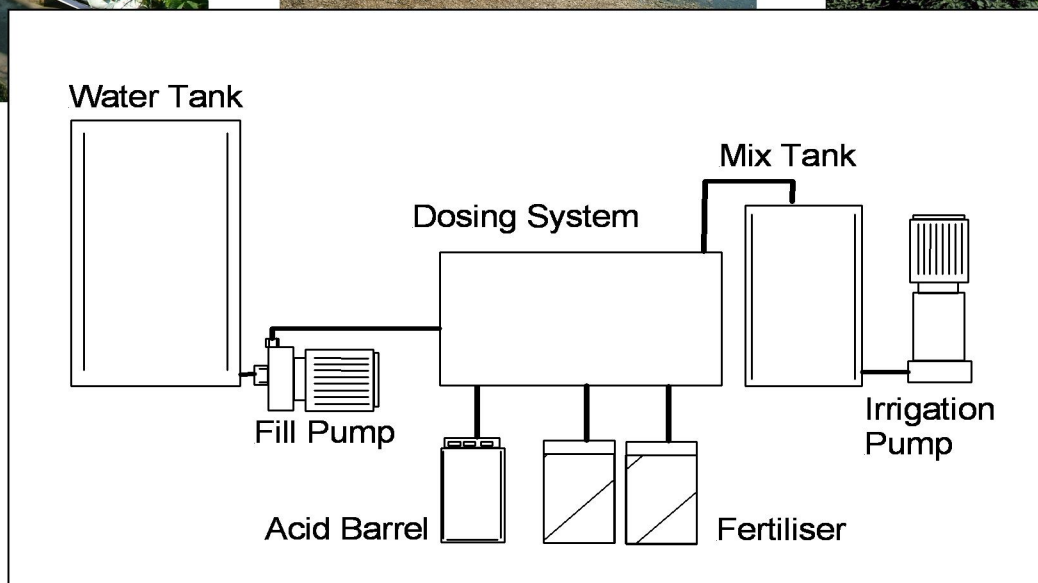
- Venturis are used for fertilizer dosing, providing a rugged design with minimum moving parts.
- With the Heron acid dosing system no seals or moving parts are in contact with concentrated acid.
- pH can be accurately controlled down to pH 5.5.
- System is not effected by large changes in flow rate.
- Up to 7 fertilizer stock tanks with up to 15 recipes.
- Operates as a standalone system or via a Heron irrigation controller.

**Dose fertilizer
and acid
accurately
and safely
using the
Heron MPD**

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Heron
E l e c t r i c



System Features

- Rigs are available in two sizes to support irrigation flow rates of up to 12m³/hour or up to 24m³/hour.
- Standard systems are supplied with 2 venturis. This can be expanded to 4 venturis to increase flow rates or cater for multiple stock tanks.
- Systems supporting more than 4 venturis can be made on request.
- Each fertilizer venturi injects at a rate of up to 3 litres/minute.
- Acid is injected at a rate of up to 0.1 litres/minute.
- The buffer tank allows accurate control over a wide range of irrigation flow rates and enables immediate swapping between fertiliser recipes.
- There is minimal user handling of acid. There is no foot valve in the acid tank. No dilution of acid is required. Acid always drains safely back into the acid barrel.
- Only one pH probe required which saves you time and maintenance costs.
- The mix tank system is intrinsically safe. Water passes through the rig once, and is dosed once to the correct level.
- The mix tank system can be used to dose your water storage tank. Simply replace the buffer tank with your water storage tank. Ideally suited to higher irrigation flow rate applications i.e. greater than 24m³/hour.