



## TRIDENT 2



The TRIDENT 2 has been designed as a simple and highly efficient water clarification and pH correction system, suitable for the removal of silt, sand and other solids, at flows of up to 5L/s: making them ideal for sites with space restrictions.

Water enters the TRIDENT 2 and flows into the inlet distribution chamber, where chemical additives have time to mix, disperse and react. This chamber allows even flow distribution through the inclined plate pack, without entraining any of the settled solids. The water flows upwards through the plate pack and coagulated solids slide down to the hopper. The clarified water is collected in the discharged flumes and overflows into the discharge well before exiting the unit. Solids are collected in the hopper and are thickened by gravity, prior to being discharged via the sludge outlet. The TRIDENT 2 sludge hopper has 60 degree sides to allow gravity thickening and removal, without the need for a mechanical scraper.

Options for logging manually at the unit, or NPE can provide telemetry for 24/7 web based monitoring alarms and logging of the following parameters:

Inlet pH

Discharge pH

Instantaneous flow rate

Total discharge

### TECHNICAL SPECIFICATIONS

Type	Water Clarification System
Dimensions (mm)	2200L x 3600W x 2194H
Min. Flow	1 L/s
Max. Flow	5 L/s
Max. Capacity	5360L
Internal Pipe Diameter	100/50mm
Containment	Fully enclosed & lockable
Operating System	240 V
Dry Weight	1150kg
Weight	1675kg

### KEY FEATURES

- Fully automated chemical dosing system
- Web-based remote monitoring and adjustment
- Eye wash station and chemical handling PPE
- Self-contained and Portable
- 24/7 monitored alarm system
- Easy to adjust pH dosing unit
- Developed & manufactured for Australian Standards

