

## CLARIFIER WATER TREATMENT SYSTEM



NPE Clarifiers are designed to manage the settlement of solids from dewatering and wastewater effluent. NPE Clarifier Water Treatment Systems are available in 5 litre and 10 litre capacities.

Clarifier capacity required for a given project is largely dependent on analysis of the water quality and the content of suspended or dissolved particles and degree of clarity of the treated water.

### TECHNICAL SPECIFICATIONS

Dimensions (mm)	2800L x 2310W x 2700H	
Optimum Flow	10L/s	5L/s
Min. Flow	1L/s	1L/s
Weight Empty	2500kg	1200kg
Weight Full	7500kg	6200kg

### PROCESS

- Water is pumped through the inlet pipe and travels upward over the inclined plates
- If required, flocculent and polymer may be added via separate dosing equipment
- Particles settle inside the clarifier and slide down into the sludge funnel
- Accumulated particles are removed from the bottom of the clarifier as required
- Water flows upwards and over the inclined plates
- Flocculated particles continue to settle out allowing clean water to overflow into the outlet chamber

