

RainSmart

Modular Tank System

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DESCRIPTION

Modular tank systems designed for inground water storage and or water detention for peak flow events. Ellipse modular tanks can be designed to conform to most shapes and sizes to suit site conditions, and are simply stacked into a matrix of cells to create the desired storage volume.

APPLICATION

Application includes inground water storage and water flow detention.

TYPICAL PROPERTIES – TANK DIMENSIONS

MODULE (UNITS)	WIDTH (MM)	LENGTH (MM)	HEIGHT (MM)	TYPICAL TANK VOLUME (LITRES)	TYPICAL WATER STORAGE VOLUME (LITRES)
Single (1)	400	715	440	125.77	119.47
Double (2)	400	715	860	245.94	233.64
Triple (3)	400	715	1280	366.08	347.77
Quad (4)	400	715	1700	486.29	461.97
Pent (5)	400	715	2120	606.32	576.00
INTERNAL VOID RATIO			95% void		
MATERIAL			85% Recycled Polypropylene + 15% Proprietary Mix		
BIOLOGICAL & CHEMICAL RESISTANCE			Unaffected by moulds and algae, soil borne chemicals, bacteria and bitumen.		
SERVICE TEMPERATURE			-10°C to 75°C		
FLOW RATE			0.040 m ³ /sec		
Ultimate Load / Unconfined Crush Testing:				Crush Load – 4 Plate Module : > 22.88 t/m ²	
<i>(Results for standard units with 4 Large & 4 Small plate tanks, also 4 large & 5 small plate tanks)</i>				Crush Load – 5 Plate Module: > 26.16 t/m ²	
				Temperature: 21–27°C	

- RainSmart Modular Tank is a design registered or design registered pending system of RainSmart Ply Ltd.
- Suitably qualified designers should apply the appropriate reduction factors for load based on the application.

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