

# ELLIPSE MODULAR TANK SYSTEM

## DESCRIPTION

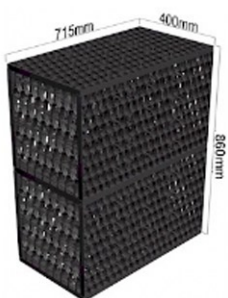
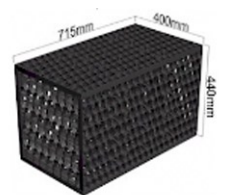
Modular tank systems designed for inground water storage and or water detention for peak flow events. Ellipse modular tanks can be designed to conform to most shapes and sizes to suit site conditions, and are simply stacked into a matrix of cells to create the desired storage volume.

## APPLICATION

Applications include inground water storage (retention) detention and or infiltration.

## 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	126	119
Double (2)	400	715	860	246	233
Triple (3)	400	715	1280	366	347
Quad (4)	400	715	1700	486	461
Penta (5)	400	715	2120	606	576
<b>INTERNAL VOID RATIO</b>			95% void		
<b>MATERIAL</b>			90% recycled polypropylene + 10% proprietary mix		
<b>BIOLOGICAL &amp; CHEMICAL RESISTANCE</b>			Unaffected by moulds and algae, soil-borne chemicals, bacteria and bitumen, oils & light acid or alkaline solutions		
<b>SERVICE TEMPERATURE</b>			-10°C to 85°C		
<b>FLOW RATE</b>			2400l/min per single module area @ i = 0.01		
<b>COMPRESSIVE LOAD CAPACITY</b>			>20 t/m <sup>2</sup> (Based on a standard single height module comprising 4 large plates and 4 small plates at normally encountered ambient temperatures)		



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Ellipse Modular Tank is a design registered or design registered pending system of RainSmart Pty Ltd.

Suitably qualified designers should apply the appropriate reduction factors for load based on the application.

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