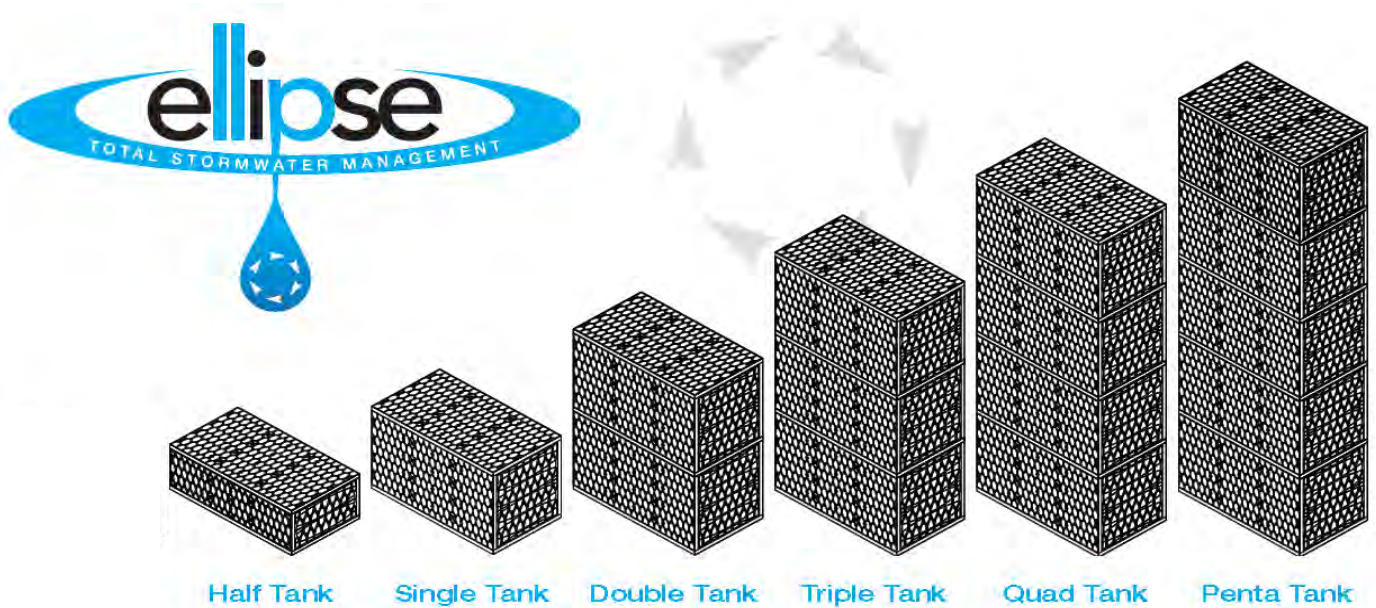
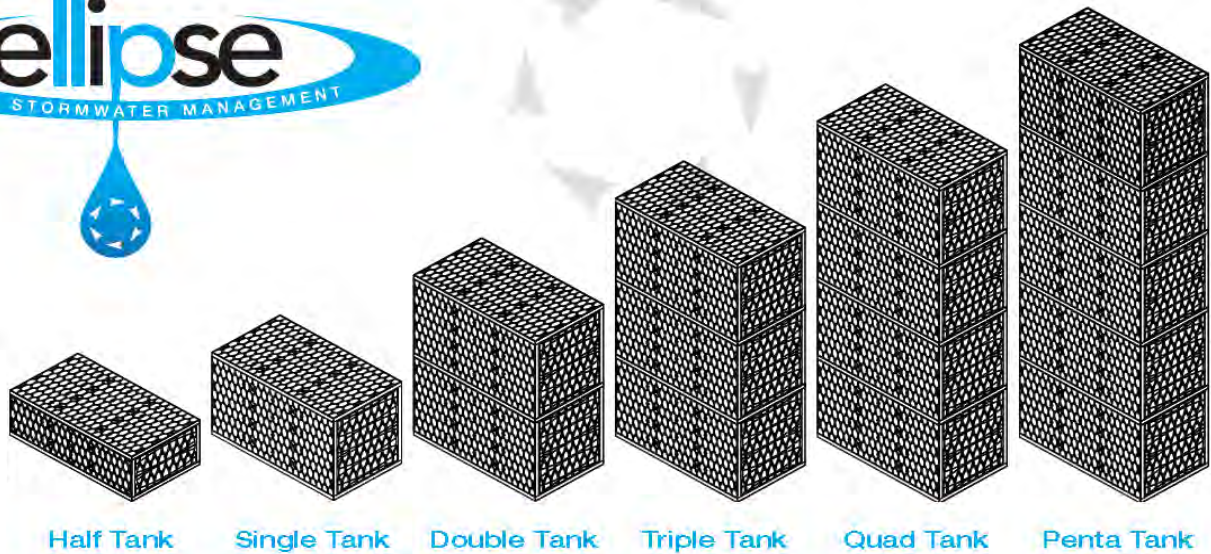


RAINSMART Ellipse Heavy Duty 5 Plate Tank



Module Dimensions and Storage

Module (unit)	Width (mm)	Length (mm)	Height (mm)	Tank Volume (L)	Water storage Volume (L)
Mini (Half)	400	715	240	68.52	65.12
Single (1)	400	715	440	125.77	119.47
Single + Mini (1.5)	400	715	660	188.88	179.25
Double (2)	400	715	860	245.94	233.64
Double + Mini (2.5)	400	715	1080	308.94	293.36
Triple (3)	400	715	1280	366.08	347.77
Triple + Mini (3.5)	400	715	1500	429.00	407.48
Quad (4)	400	715	1700	486.29	461.97
Quad + Mini (4.5)	400	715	1920	549.06	521.60
Penta (5)	400	715	2120	606.32	576.60



Item	Description	Value	Unit
Void Area	Area available for water storage vs that made up of plastic	95	%
Surface Void Area	Open area where water may percolate in or out of the units	95	%
Rib Thickness	Minimum thickness of the load bearing members to full depth of the plate	4.5	mm
Service Temperature	Operating temperature where the units can be expected to perform adequately	-10 to 75°C	°C
Recycled Content	85% Selected Recycled Polypropylene + 15% proprietary mix	85% + 15%	%
Biological & Chemical Resistance	Unaffected by moulds, algae, Soil borne Chemical, bacteria and bitumen, polypropylene is very inert	**	**
Flow Rate	Flow rate through single module 400mm x 440mm side	0.04	m3/sec
Ultimate unconfined Vertical Crush Strength	Using a full -size plate that completely covers the top of the unit determines the pressure required to crush the entire unit 715mm x 400mm	24-26	ton/sqm
Ultimate unconfined Lateral Crush Strength	Using a full -size plate that completely covers the top of the unit determines the pressure required to crush the entire unit 715mm x 440mm	20-21	ton/sqm
180 Day Creep testing	Used to determine long-term performance of the system <i>*Double Module tested</i>	**	**
	Load Applied	Initial & Sustained	76.92
	Creep Sustained	After 90 Days	1.035
	Creep Sustained	After 180 Days	1.128
	Projected Creep	40 Years	1.72

****Heavy Duty Tank for High load bearing capacity are also available**

NOTE: All 'RAINSMART Products and Systems are DESIGN REGISTERED.

Safety Factors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or representative.

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