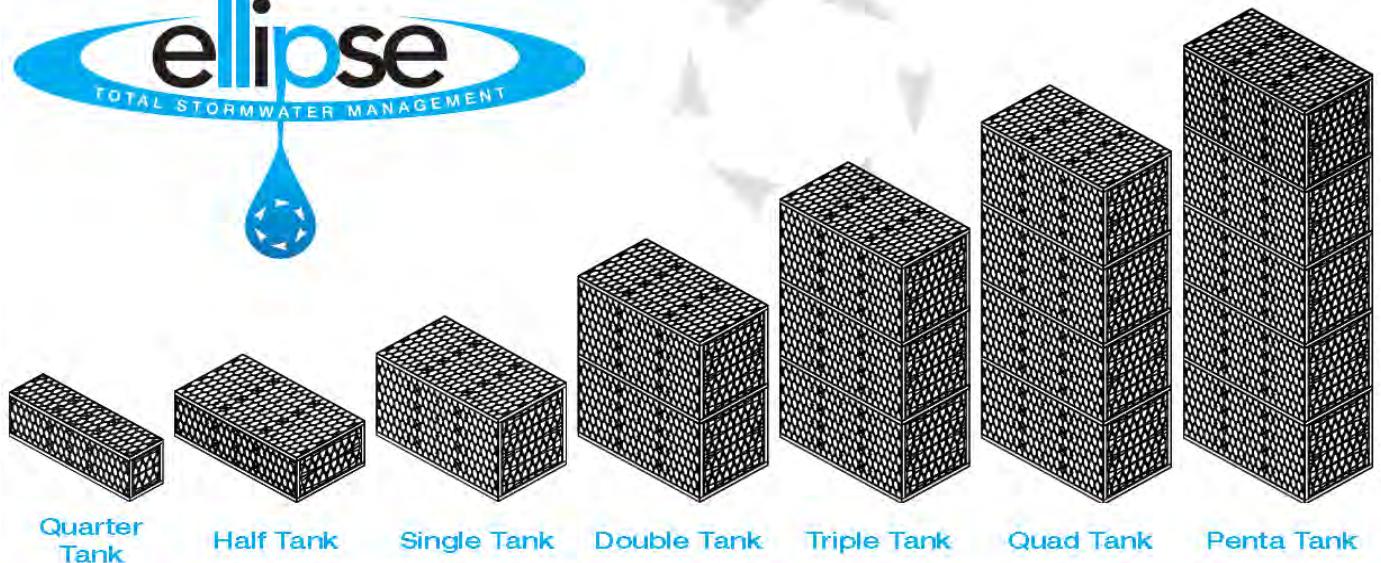


RAINSMART Ellipse Heavy Duty 5 Plate Tank



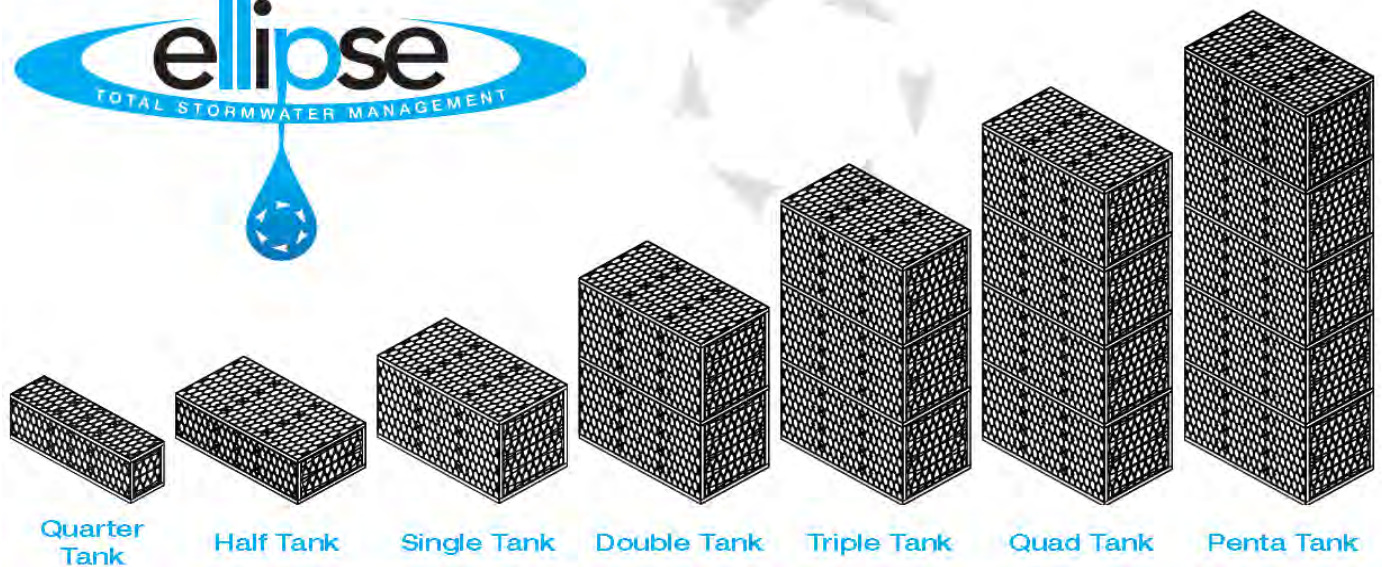
Technical Specification.

Module Dimensions:

Module (Unit)	Width (mm)	Width (inches)	Length (mm)	Length (inches)	Height (mm)	Height (inches)
Mini (Half)	400	15.75	715	28.15	240	9.45
Single (1)	400	15.75	715	28.15	440	17.32
Single + Mini (1.5)	400	15.75	715	28.15	660	25.98
Double (2)	400	15.75	715	28.15	860	33.86
Double + Mini (2.5)	400	15.75	715	28.15	1080	42.52
Triple (3)	400	15.75	715	28.15	1280	50.39
Triple + Mini (3.5)	400	15.75	715	28.15	1500	59.06
Quad (4)	400	15.75	715	28.15	1700	66.93
Quad+ mini (4.5)	400	15.75	715	28.15	1920	75.59
Penta (5)	400	15.75	715	28.15	2120	83.46

Module Storage:

Module (Unit)	Tank Volume (L)	Tank Volume (cf)	Tank Volume (gal)	Water Storage Volume (l)	Water Storage Volume (cf)	Water Storage Volume (gal)
Mini (Half)	68.52	2.42	18.10	65.12	2.30	17.20
Single (1)	125.77	4.44	33.26	119.47	4.22	31.60
Single + Mini (1.5)	188.88	6.67	49.90	179.25	6.33	47.35
Double (2)	245.94	8.69	64.97	233.64	8.25	61.72
Double + Mini (2.5)	308.94	10.91	81.61	293.36	10.36	77.50
Triple (3)	366.08	12.93	96.70	347.77	12.28	91.87
Triple + Mini (3.5)	429.00	15.15	113.33	407.48	14.39	107.64
Quad (4)	486.29	17.17	128.46	461.97	16.31	122.03
Quad+ mini (4.5)	549.06	19.39	145.05	521.60	18.42	137.80
Penta (5)	606.32	21.41	160.17	576.00	20.34	152.19



Item	Description	Value	Unit	
Void Area	Area available for water storage vrs 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 (0.18)	mm (inches)	
Service Temperature	Operating temperature where the units can be expected to perform adequately	-10 to 75°C (-14 to 167°F)	°C (°F)	
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 (34.13 -36.98)	ton/sqm (PSI)	
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 (28.44 -29.86)	ton/sqm (PSI)	
180 Day Creep testing	Used to determine long-term performance of the system <i>*Double Module tested</i>	**	**	
	Load Applied	Initial & Sustained	76.92 (11.15)	
	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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