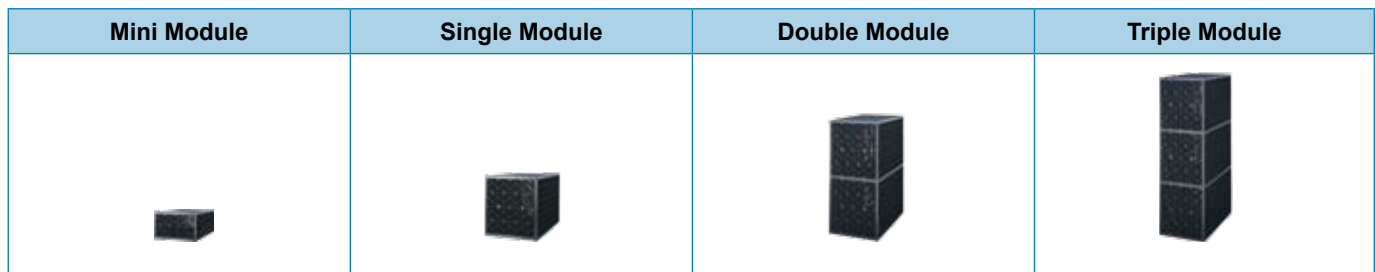


D-Raintank® (Matrix®) specifications

D-Raintank® (Matrix®) Dimensions						
Module (Units)	Width (mm)	Width (inches)	Length (mm)	Length (inches)	Height (mm)	Height (inches)
Mini (1/2)	408	16.06	685	26.97	240	9.45
Single (1)	408	16.06	685	26.97	450	17.72
Double (2)	408	16.06	685	26.97	880	34.65
Triple (3)	408	16.06	685	26.97	1310	51.57
Quad (4)	408	16.06	685	26.97	1740	68.50
Penta (5)	408	16.06	685	26.97	2170	85.43

Module (Units)	Tank Volume (cf / m³)	Tank Volume (gal / liters)	Water Storage Volume (cf / m³)	Water Storage Volume (gal / liters)	Number of Plates Standard Module Large / Small	Tank Weight (lbs / kg)
Mini (1/2)	2.40 / 0.07	17.96 / 67.99	2.28 / 0.06	17.06 / 64.58	2 / 2 / 4	8.75 / 3.97
Single (1)	4.44 / 0.13	33.22 / 125.75	4.22 / 0.12	31.56 / 119.47	4 / 4	13.97 / 6.34
Double (2)	8.69 / 0.25	64.97 / 245.94	8.25 / 0.23	61.72 / 233.64	7 / 8	25.99 / 11.79
Triple (3)	12.93 / 0.37	96.72 / 366.13	12.28 / 0.35	91.88 / 347.80	10 / 12	38 / 17.24
Quad (4)	17.17 / 0.49	128.47 / 486.31	16.31 / 0.46	122.03 / 461.93	13 / 16	50 / 22.68
Penta (5)	21.42 / 0.61	160.21 / 606.46	20.35 / 0.58	152.19 / 576.10	16 / 20	62 / 28.12

Surface Area	95% void
Material	85% recycled Polypropylene + 15% Atlantis propriety selected materials
Biological & Chemical Resistance	Unaffected by moulds and algae, soil-bourne chemicals, bacteria and bitumen.
Service Temperature	-6°C to 55°C (-21.2°F to 131°F)



ASSEMBLY: All units are assembled from 4 small plates and 4 large plates. These plates are clipped together to form the box structure.

Ultimate Load/ Unconfined Crush Testing:

	Metric	Imperial
Crush Load	24 t/m2	34 psi
Displacement	11mm	0.433"
Temperature	8-14°C	46.4-57.2°F

Side Load:

	Metric	Imperial
Crush Load	2.5 t/m2	3.58 psi
Displacement	10mm	0.394"
Temperature	17°C (± 3)	62.6°F (± 37.4)

Long-Term Unconfined Creep Test: 90 Day Dead Load Creep Test

	Metric	Imperial
Load Applied	2.85 t/m2	4.06 psi
Displacement (90 Days)	1.7 mm	0.067"
Total Strain After 90 Days	2.30%	2.30%
Creep Sustained After 90 Days	0.40%	0.40%
Temperature	20°C (± 3)	68°F (± 37.4)

D-Raintank® (Matrix®) tank module under test.
Note: Counterweights, load cell on top of the top platen, Deformation gauge (2 installed), Data logger with print out. Thermocouple also installed. Nottingham Trent University, England. Results indicate additional performance of the modules during duty conditions. It is considered that the effects of side loading around the modules are minimal assuming the modules are placed horizontally.