

# Heavy Duty R-Tank Specifications

## 5-Plate Module

### Dimensions

Module (Units)	Width (mm)	Width (inches)	Length (mm)	Length (inches)	Height (mm)	Height (inches)
Mini	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
Pent (5)	400	15.75	715	28.15	2120	83.46

### Details

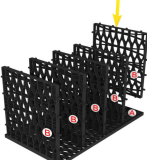
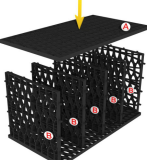



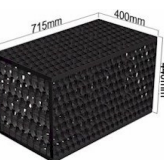
Module (Units)	Tank Volume (cf)	Storage Volume (cf)	# of Large Plates	# of Small Plates	# of Mini Sm/Lg Plates	Weight (lbs)
Mini	2.42	2.30	2	0	5 / 2	10.95
Single (1)	4.44	4.22	4	5	0 / 0	17.35
Single + Mini (1.5)	6.67	6.33	5	5	5 / 2	25.98
Double (2)	8.69	8.25	7	10	0 / 0	32.37
Double + Mini (2.5)	10.91	10.36	8	10	5 / 2	41.01
Triple (3)	12.93	12.28	10	15	0 / 0	47.40
Triple + Mini (3.5)	15.15	14.39	11	15	5 / 2	56.03
Quad (4)	17.17	16.31	13	20	0 / 0	62.43
Quad + Mini (4.5)	19.39	18.42	14	20	5 / 2	71.06
Pent (5)	21.41	20.34	16	25	0 / 0	77.45

### Specifications

Item	Description	Value	Unit
Void Area	Area available for water storage vs. that made up of plastic	95	%
Surface Area Void	Open area where water may percolate into or out of the unit	95	%
Rib Thickness	Thickness of load-bearing members	0.18 (4.5)	inches (mm)
Unit Weight	Weight of plastic per cubic foot of tank	3.62	lbs / cf
Service Temperature	Operating temperatures where unit can be expected to perform adequately	-14 to 167	Degrees Fahrenheit
Unconfined Crush Strength	Using a 5" x 5" load plate placed centrally over the unit will determine the pressure at which the top plate will bend to the point of failure	37.80	psi
Unconfined Crush Strength	Using a full-size load plate that completely covers the top of the unit determines the pressure required to crush the entire unit	40.0	psi
Recycled Content	Percentage of product made from Recycled Polypropylene	100.0	%
180 Day Creep Testing*	Used to determine the long-term performance of the system		
	Load Applied	Initial & Sustained	11.16*
	Creep Sustained	After 180 Days	0.2*
	Creep Sustained	After 180 Days	1.128*
	Projected Creep	40 Years	1.72*

\*All creep tests performed on STANDARD 4-Plate units (two internal plates), not the HEAVY DUTY 5-Plate units.

### Product Assembly Pictures

Step #1	Step #2	Step #3	Step #4	Single On Its Side	Correct Orientation	Other
						Taller Heavy Duty Modules are Available in All Sizes