

# Composite Pressure Vessels

# AVENTURA

Components of success

## Corrosion Resistant

- Pressure Vessels are made up of high performance composite material with filament winding.
- All Pressure vessels are 100% corrosion resistant.
- Thermoplastic liners of polyester
- Liner wall thickness available from 0.150"(3.8mm) up to 0.300"(7.6mm) corresponding to the vessel diameter.

## Technology

- Excellent bonding between inlet and PE liner
- Better filament winding program
- Better curing at high temperature
- Better raw material compatibility

## Size & Features

- Full choice of pressure vessel available up to 63" diameter with 72" height.
- Opening types are all top openings. Top & Bottom openings available for 14" through 63" vessels.
- 6" Top & Bottom Flange option available for 18" through 63" vessels
- Vessels up to 16x65 size comes with inbuilt feature to protect against UV penetration and to inhibit algae growth.

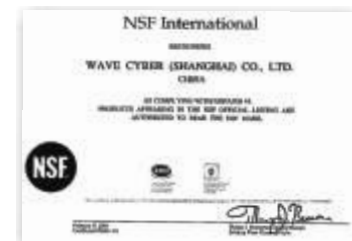
## Highest Performance Standards

- Reinforced Composites are only one-third the weight of steel tanks. Strengths are directly comparable to steel.
- All kinds of strict performance test show that composite vessels offer significantly better performance than lined steel.
- Physical properties: Operating Pressure  
150 psi (10.5 kgf/cm<sup>2</sup>)  
Operating Temperature  
150°F (49°C)
- 250,000 times of cycle test from 10 psi to 150 psi withstanding pressure. Qualification burst test to four times its rated operating pressure
- Aventura Pressure Vessels are NSF, CE and PED Certified

## Low Installation and Maintenance

- The light weight of composites can lead to cost-savings like lower installation costs and easier handling.
- There's no need for painting, lining or epoxy coating inside the vessel.
- It also facilitates the maintenance operations and leads to cost efficiency.

Internationally Certified Quality  
ISO 9001:2000



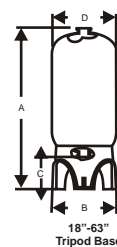
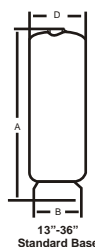
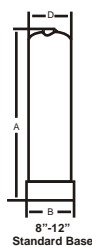
Manufactured by Wave Cyber

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Size	Volume		Weight (kgs) Empty	Top opening	Bottom opening	Base	Dimensions (mm)			
	Litre	Cubic foot					A	B	C	D
6x10	3.30	0.12	1.26	2.5" -NPSM		Standard	256	164		155
6x18	6.70	0.24	1.88	2.5" -NPSM		Standard	459	164		155
6x35	13.70	0.48	3.20	2.5" -NPSM		Standard	891	164		155
7x24	12.60	0.45	2.45	2.5" -NPSM		Standard	620	189		182
7x35	19.10	0.67	3.40	2.5" -NPSM		Standard	898	189		182
8x24	16.60	0.59	2.88	2.5" -NPSM		Standard	612	214		207
8x35	25	0.9	5.39	2.5"-8NPSM		Standard	901	214		206
8x44	34	1.2	5.65	2.5"-8NPSM		Standard	1130	214		206
10x35	40	1.4	8.63	2.5"-8NPSM		Standard	896	264		257
10x54	63	2.2	9.30	2.5"-8NPSM		Standard	1379	264		257
12x48	89	3.1	9.83	2.5"-8NPSM		Standard	1230	311		308
12x52	97	3.4	10.00	2.5"-8NPSM		Standard	1336	311		308
13x54	105	3.7	10.40	2.5"-8NPSM		Standard	1390	300		334
14x65	150	5.3	15.25	2.5"-8NPSM		Standard	1664	320		360
				4"-8UN	4"-8UN	Standard	1662	320		360
16x65	185	6.5	16.55	2.5"-8NPSM		Standard	1664	380		410
				4"-8UN	4"-8UN	Standard	1663	380		410
18x65	236	8.3	31.90	4"-8UN		Standard	1717	458		481
				4"-8UN	4"-8UN	Tripod	2027	458	419	480
21x62	312	11.0	41.00	6" Flange	6" Flange	Tripod	2027	551	419	480
				4"-8UN	4"-8UN	Tripod	2027	551	437	544
24x72	450	15.9	46.00	6" Flange	6" Flange	Tripod	2027	605	437	544
				4"-8UN	4"-8UN	Tripod	2154	605	401	622
30x72	708	25.0	62.40	6" Flange	6" Flange	Tripod	2154	770	401	622
				4"-8UN	4"-8UN	Tripod	2129	770	345	772
36x72	999	31.7	76.00	6" Flange	6" Flange	Tripod	2129	932	345	772
				4"-8UN	4"-8UN	Tripod	2159	932	368	927
42x72	1308.00	46.20	170.00	6" -FLG	6" -FLG	Tripod	2224	1038	288	1074
48x72	1675.00	59.17	210.00	6" -FLG	6" -FLG	Tripod	2225	1172	295	1227
63x67	2590.00	91.52	306.00	6" -FLG	6" -FLG	Tripod	2025	1750	305	1625
63x86	3280.00	115.90	360.00	6" -FLG	6" -FLG	Tripod	2453	1750	305	1625



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