

## Composite Pressure Vessels

### Description

Aventura offers premium quality Composite Pressure Vessels for almost all water and wastewater treatment applications. The high performance vessel material with FRP reinforced outer shell provides strength to withstand pressures as high as 10 kg/cm<sup>2</sup> without any structural damage. The vessels are immune to most chemicals ensuring corrosion free and cost-efficient solutions for water treatment.

### Design Features

- ▶ High performance composite material – HDPE/LLDPE liner with FRP filament wound outer shell
- ▶ Continuous seamless inner liner shell with -
  - a) PP inlet for higher strength, temperature and pressure capabilities, in threaded end vessels
  - b) Solid anodized aluminum cast flange for excellent strength, durability and leak free service, in flanged end vessels
- ▶ 100% corrosion resistance
- ▶ Maximum operation pressure 150 psi
- ▶ Unmatched warranty\*
- ▶ Designed to withstand 2,50,000 times cycle
- ▶ Easy Installation and low maintenance
- ▶ Opaque liner for out-door applications available

### Applications

- ▶ Residential water filtration
- ▶ Commercial water filtration
- ▶ Industrial water filtration
- ▶ Softening applications
- ▶ Demineralization

### Operating Conditions

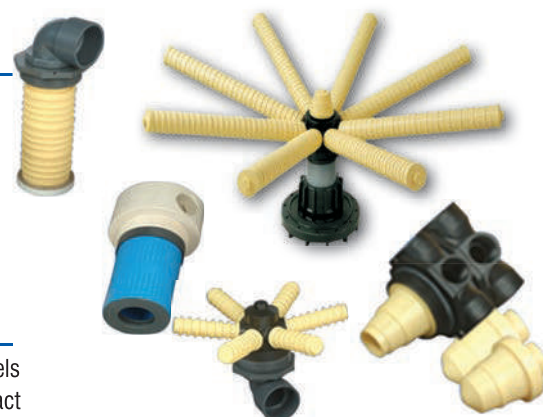
- ▶ Operating temperature: 49°C for threaded vessels and 65°C for flanged vessels
- ▶ Maximum operating pressure: 150psi (10.5 bar)



## Distribution & Collection Systems for Pressure Vessels

### Description

Aventura's distribution and collection systems are suitable for any type of FRP pressure vessels with varying diameters in the range from 12" to 63". These systems feature chemical and impact resistance for a variety of applications. They can be used for standard openings of 4" threaded and 6" flanged and for only top or both top & bottom openings.


**Wave Cyber**


PED KTW



### Product Details

Residential FRP Vessel	Size	Volume		Weight (Empty)	Opening		Base
		Litre	Cu.ft		Top	Bottom	
	6x10	3.30	0.12	1.26	2.5" -NPSM	-	Standard
	6x18	6.70	0.24	1.88	2.5" -NPSM	-	Standard
	6x35	13.70	0.48	3.20	2.5" -NPSM	-	Standard
	7x24	12.60	0.45	2.45	2.5" -NPSM	-	Standard
	7x35	21.57	0.7	3.40	2.5" -NPSM	-	Standard
	8x24	16.60	0.59	2.88	2.5" -NPSM	-	Standard
	8x35	26.87	0.9	4.15	2.5"-8NPSM	-	Standard
	8x44	34.44	1.2	4.80	2.5"-8NPSM	-	Standard
	10x35	39.36	1.4	4.60	2.5"-8NPSM	-	Standard
	10x54	63.21	2.2	7.40	2.5"-8NPSM	-	Standard
	12x48	88.57	3.1	8.40	2.5"-8NPSM	-	Standard
	12x52	97.90	3.4	8.95	2.5"-8NPSM	-	Standard
	13x54	104.47	3.7	10.05	2.5"-8NPSM	-	Standard
	14x65	148	5.23	14.80	4"-8UN	-	Standard
	16x65	194	6.86	18.65	4"-8UN	4"-8UN	Standard

Commercial FRP Vessel	Size	Volume		Weight (Empty)	Opening		Base
		Litre	Cu.ft		Top	Bottom	
	18x65	269	9.51	30.50	4"-8UN	-	Standard
		257	9.08	33.57	4"-8UN	4"-8UN	Tripod
	18x65	261	9.22	41.50	6" Flange	-	Standard
				47.60	6" Flange	6" Flange	Tripod
	21x62	330	11.66	42.87	4"-8UN	4"-8UN	Tripod
				55.60	6" Flange	6" Flange	Tripod
	24x72	473	16.71	55.00	4"-8UN	4"-8UN	Tripod
		491	17.35	64.60	6" Flange	6" Flange	Tripod
	30x72	697	24.63	90.25	4"-8UN	4"-8UN	Tripod
		674	23.82	100.10	6" Flange	6" Flange	Tripod
	36x72	1011	35.72	123.00	4"-8UN	4"-8UN	Tripod
		970	34.28	132.60	6" Flange	6" Flange	Tripod
	42x72	1494	52.79	215.00	6" Flange	6" Flange	Tripod
	48x72	1895	66.00	274.00	6" Flange	6" Flange	Tripod
	63x67	2451	96.61	306.00	6" Flange	6" Flange	Tripod
	63x86	3306	116.82	360.00	6" Flange	6" Flange	Tripod