



# **Wave Cyber** Pressure Tank



## Features

- Pressure tanks are made of high performance Composite material with FRP filament winding.
- All pressure tanks, residential and commercial, are made by a complete seamless molding technology.
- All thread inlet made from 30 % glass filled PP provides higher strength, temperature and pressure limits versus glass filled PE.
- Liner wall thickness available from 0.15" (3.0mm) to 0.3" (7.6mm) corresponding to the tank diameter.
- Full choice of pressure tank from 6" to 48" in diameter and from 10" to 72" in height.
- Top opening type available for 6" through 36" diameter pressure tanks; top and bottom opening type available for 18" through 48" diameter pressure tanks.
- Reinforced composites are one third the weight of steel tanks.
- All pressure tanks are 100% corrosion resistant.

## Operating Condition

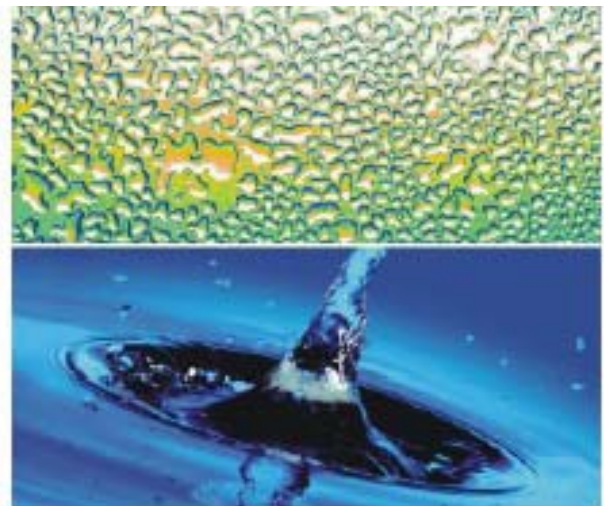
Operating Pressure      150 psi (10.5 bars)  
 Operating Temperature    120°F (49°C),  
    150°F (65°C) for flange tanks

## Test

250,000 times of cycle test from 10 psi to 150 psi withstanding pressure.  
 Burst test to four times its operating pressure.

## Certification

Wave Cyber pressure tanks are NSF and PED certified.



# No Better Choice Than This.....

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## Dome-hole pressure tanks

- Dome-hole tanks are available in tank diameter 10", 12" and 13".
- The dome-hole tank equipped with 1.25" opening on the dome top of the tank. Tank adapter made by injection molding with GE Noryl plastic.
- The advantage of the dome-hole tank provides the fastest and most convenience way of solution for media replacement without detaching any plumbing and valve.
- Different positions of the dome-hole are available for multi-port valves from different manufacturers.

## Choice of Color

- Wave cyber provides wide ranges of color pressure tank selection such as Natural (standard), Black, Blue, Almond, Brown and Grey.
- Other custom color is available on request.

## Accessories

Wave Cyber supplies adapters, reducers and closures for both 4" thread and 6" flange tank

## Flange Tank

- Wave Cyber manufactures flange tank from 18" to 48".
- The flange is made from a strong solid anodized Aluminum casting. It provides excellent strength, durability and leak free.
- The flanged tank is available in 6" flange top opening with standard base or both 6" flange top/bottom openings with tripod base.
- Wave Cyber pressure tanks are made up of high performance composite material with fiber glass filament wound high strength polyethylene liner.
- Wave Cyber flange tanks are NSF and PED certified

## High Quality Liner

- Wave Cyber pressure tank liner made from high quality imported Polyethylene resin from Dow Chemical.
- Liner wall thickness available from 0.15" (3.0mm) to 0.3" (7.6mm) corresponding to the tank diameter. Standard liners are natural color.
- Wave Cyber also produces a special colored liner which is completely opaque to sunlight pass through and provides solution to Algae and micro-organism growth in side the tank due to hot and humid weather in most of the tropical and Middle-East Countries.
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## Wave Cyber Pressure Vessel Specification

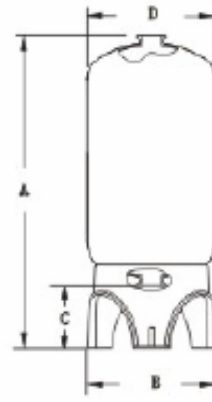
Tank Size	Volume		Weight (lb)	Opening			Base	Dimensions (inch)			
	L	Cu. ft.	Empty	Dome-hole	Top	Bottom		A	B	C	D
6 x 10	3.30	0.12	2.77	N/A	2.5"-NPSM	N/A	Standard	10.10	6.50	N/A	6.10
6 x 12	3.90	0.14	3.12	N/A	2.5"-NPSM	N/A	Standard	12.07	6.50	N/A	6.10
6 x 13	4.30	0.15	3.28	N/A	2.5"-NPSM	N/A	Standard	13.07	6.50	N/A	6.10
6 x 17	6.30	0.22	3.96	N/A	2.5"-NPSM	N/A	Standard	17.09	6.50	N/A	6.10
6 x 18	6.70	0.24	4.14	N/A	2.5"-NPSM	N/A	Standard	18.07	6.50	N/A	6.10
6 x 29	11.40	0.40	6.01	N/A	2.5"-NPSM	N/A	Standard	29.09	6.50	N/A	6.10
6 x 35	13.70	0.48	7.04	N/A	2.5"-NPSM	N/A	Standard	35.08	6.50	N/A	6.10
7 x 13	5.80	0.20	2.29	N/A	2.5"-NPSM	N/A	Standard	13.15	7.44	N/A	7.17
7 x 17	8.30	0.29	4.29	N/A	2.5"-NPSM	N/A	Standard	16.93	7.44	N/A	7.17
7 x 19	9.60	0.34	4.62	N/A	2.5"-NPSM	N/A	Standard	19.21	7.44	N/A	7.17
7 x 24	12.60	0.45	5.39	N/A	2.5"-NPSM	N/A	Standard	24.41	7.44	N/A	7.17
7 x 30	16.20	0.57	6.51	N/A	2.5"-NPSM	N/A	Standard	30.08	7.44	N/A	7.17
7 x 35	19.10	0.67	7.48	N/A	2.5"-NPSM	N/A	Standard	35.35	7.44	N/A	7.17
7 x 40	22.00	0.78	8.36	N/A	2.5"-NPSM	N/A	Standard	40.07	7.44	N/A	7.17
7 x 44	24.30	0.86	8.91	N/A	2.5"-NPSM	N/A	Standard	44.45	7.44	N/A	7.17
8 x 13	7.70	0.27	3.63	N/A	2.5"-NPSM	N/A	Standard	13.19	8.43	N/A	8.15
8 x 17	11.00	0.39	4.40	N/A	2.5"-NPSM	N/A	Standard	17.01	8.43	N/A	8.15
8 x 18	12.50	0.44	4.80	N/A	2.5"-NPSM	N/A	Standard	18.07	8.43	N/A	8.15
8 x 24	16.60	0.59	6.34	N/A	2.5"-NPSM	N/A	Standard	24.09	8.43	N/A	8.15
8 x 30	21.40	0.76	7.94	N/A	2.5"-NPSM	N/A	Standard	30.00	8.43	N/A	8.15
8 x 35	24.80	0.88	9.90	N/A	2.5"-NPSM	N/A	Standard	35.35	8.43	N/A	8.15
8 x 40	29.10	1.03	9.97	N/A	2.5"-NPSM	N/A	Standard	40.07	8.43	N/A	8.15
8 x 44	32.10	1.13	10.56	N/A	2.5"-NPSM	N/A	Standard	44.45	8.43	N/A	8.15
9 x 17	13.70	0.48	4.95	N/A	2.5"-NPSM	N/A	Standard	16.96	9.45	N/A	9.17
9 x 18	14.70	0.48	4.93	N/A	2.5"-NPSM	N/A	Standard	18.07	9.45	N/A	9.17
9 x 35	31.60	1.12	9.24	N/A	2.5"-NPSM	N/A	Standard	35.35	9.45	N/A	9.17
9 x 40	36.30	1.28	10.65	N/A	2.5"-NPSM	N/A	Standard	40.07	9.45	N/A	9.17
9 x 42	38.20	1.35	11.11	N/A	2.5"-NPSM	N/A	Standard	42.28	9.45	N/A	9.17
9 x 48	44.60	1.58	13.31	N/A	2.5"-NPSM	N/A	Standard	48.35	9.45	N/A	9.17
10 x 16	15.60	0.55	6.40	N/A	2.5"-NPSM	N/A	Standard	16.14	10.39	N/A	10.16
10 x 17	16.80	0.59	6.60	N/A	2.5"-NPSM	N/A	Standard	17.17	10.39	N/A	10.16
10 x 18	18.00	0.64	6.97	N/A	2.5"-NPSM	N/A	Standard	18.15	10.39	N/A	10.16
10 x 19	19.20	0.68	7.26	N/A	2.5"-NPSM	N/A	Standard	19.17	10.39	N/A	10.16
10 x 30	32.40	1.14	9.88	N/A	2.5"-NPSM	N/A	Standard	30.00	10.39	N/A	10.16
10 x 35	38.40	1.36	11.22	N/A	2.5"-NPSM	N/A	Standard	35.31	10.39	N/A	10.16
10 x 40	44.90	1.59	12.89	N/A	2.5"-NPSM	N/A	Standard	40.15	10.39	N/A	10.16
10 x 44	50.10	1.77	14.41	N/A	2.5"-NPSM	N/A	Standard	44.33	10.39	N/A	10.16
10 x 47	54.00	1.90	15.29	N/A	2.5"-NPSM	N/A	Standard	46.85	10.39	N/A	10.16
			19.69	1-1/4"-1-1/2"NPSM	2.5"-NPSM		Standard	47.24		N/A	
10 x 54	62.40	2.20	17.38	N/A	2.5"-NPSM	N/A	Standard	54.57	10.39	N/A	10.16
			21.23	1-1/4"-1-1/2"NPSM	2.5"-NPSM		Standard			N/A	
12 x 48	79.50	2.89	18.48	N/A	2.5"-NPSM	N/A	Standard	48.50	12.24	N/A	12.20
			26.62	1-1/4"-1-1/2"NPSM	2.5"-NPSM		Standard			N/A	
12 x 52	87.30	3.08	19.69	N/A	2.5"-NPSM	N/A	Standard	52.68	12.24	N/A	12.20
			28.05	1-1/4"-1-1/2"NPSM	2.5"-NPSM		Standard			N/A	
13 x 44	84.80	3.00	18.48	N/A	2.5"-NPSM	N/A	Standard	45.08	13.31	N/A	13.31
			25.96	1-1/4"-1-1/2"NPSM	2.5"-NPSM					N/A	13.31
13 x 44	84.80	3.00	18.48	N/A	4.0"-8UN	N/A	Standard	44.88	13.31	N/A	13.31
13 x 54	105.70	3.73	23.76	N/A	2.5"-NPSM	N/A	Standard	55.03	13.31	N/A	13.31
			30.49	1-1/4"-1-1/2"NPSM	2.5"-NPSM			55.11		13.31	
13 x 54	105.70	3.73	23.76	N/A	4.0"-8UN	N/A	Standard	54.84	338	N/A	13.31
14 x 52	115.00	4.06	27.39	N/A	2.5"-NPSM	N/A	Standard	52.91	14.37	N/A	14.29
			27.61		4.0"-8UN			52.76			
14 x 65	148.00	5.23	32.56	N/A	2.5"-NPSM	N/A	Standard	65.91	14.37	N/A	14.29
					4.0"-8UN			65.91			
16 x 52	153.00	5.41	34.43	N/A	2.5"-NPSM	N/A	Standard	52.79	16.38	N/A	16.26
					34.65						
16 x 65	194.00	6.86	141.03	N/A	2.5"-NPSM	N/A	Standard	65.79	16.38	N/A	16.26
					4.0"-8UN			65.79			



**6" - 16"  
Standard Base**



**18" - 36"  
Standard Base**



**18" - 48"  
Tripod Base**

### Wave Cyber Pressure Vessel Specification

Tank Size	Volume		Weight (lb) Empty	Opening			Base	Dimensions (inches)			
	L	Cu. ft.		Dome-hole	Top	Bottom		A	B	C	D
18 x 36	138.00	4.87	47.08	N/A	4"-8UN	N/A	Standard	39.37	18.03	N/A	19.13
18 x 53	211.00	7.45	66.00	N/A	4"-8UN	N/A	Standard	56.38	18.03	N/A	19.13
18 x 65	257	9.08	78.98	N/A	4"-8UN	N/A	Standard	67.80	18.03	N/A	19.13
			82.61	N/A	4"-8UN	4"-8UN	Tripod	79.80	18.03	13.66	19.13
	261	9.22	88.00	N/A	6"-FLG	N/A	Standard	69.92	18.03	N/A	19.13
			104.72	N/A	6"-FLG	6"-FLG	Tripod	81.85	18.03	11.50	19.13
21 x 36	164.00	5.79	55.22	N/A	4"-8UN	N/A	Standard	39.45	20.55	N/A	21.65
21 x 53	253.00	8.94	77.66	N/A	4"-8UN	N/A	Standard	56.45	20.55	N/A	21.65
21 x 62	330.00	11.66	90.42	N/A	4"-8UN	N/A	Standard	67.76	20.55	N/A	21.65
			106.81		4"-8UN	4"-8UN	Tripod	81.26	20.55	15.51	21.65
			103.40		6"-FLG	N/A	Standard	70.20	20.55	N/A	21.61
			122.32		6"-FLG	6"-FLG	Tripod	83.78	20.55	13.35	21.61
24 x 72	473.00	16.71	112.20	N/A	4"-8UN	N/A	Standard	75.39	23.62	N/A	24.65
			121.00		4"-8UN	N/A	Tripod	85.35	23.62	11.81	24.65
	491.00	17.35	124.30		6"-FLG	N/A	Standard	77.83	23.62	N/A	24.57
			142.12		6"-FLG	6"-FLG	Tripod	87.64	36.14	9.65	24.57
30 x 72	697.00	24.63	188.54	N/A	4"-8UN	N/A	Standard	72.28	30.51	N/A	30.71
			198.55		4"-8UN	N/A	Tripod	84.21	30.31	13.19	30.71
	674.00	23.82	197.12		6"-FLG	N/A	Standard	74.61	30.51	N/A	30.67
			1220.22		6"-FLG	6"-FLG	Tripod	86.57	30.31	11.02	30.67
36 x 72	1011.00	35.72	254.10	N/A	4"-8UN	N/A	Standard	73.07	36.61	N/A	36.93
			270.60		4"-8UN	4"-8UN	Tripod	84.53	36.69	13.46	36.93
	970.00	34.28	257.40		6"-FLG	N/A	Standard	75.55	36.61	N/A	36.65
			291.72		6"-FLG	6"-FLG	Tripod	87.28	36.69	1.30	36.65
42 x 72	1308.00	46.20	374.00	N/A	6"-FLG	6"-FLG	Tripod	87.56	40.87	11.34	42.28
48 x 72	1675.00	59.17	462.00	N/A	6"-FLG	6"-FLG	Tripod	87.60	46.14	11.61	48.30