

COMPOSITE PRESSURE VESSELS



DESCRIPTION

HAR Wassertec offers premium quality Composite Pressure Vessels for practically any water or wastewater treatment application. The high performance vessel material with FRP reinforced outer shell provides strength to withstand pressures as high as 10 kg/cm² 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 -
 - ▶ PP inlet for higher strength, temperature and pressure capabilities, in threaded end vessels
 - ▶ Solid anodized aluminum cast flange for excellent strength, durability and leak free service, in flanged end vessels
- ▶▶ 100% corrosion resistance
- ▶▶ Designed to withstand 2,50,000 times cycle
- ▶▶ Maximum operation pressure 150 psi
- ▶▶ Easy Installation and low maintenance
- ▶▶ Unmatched warranty*
- ▶▶ Opaque liner for out-door applications available

* Limited warranty - 10 years for tanks upto 13" Dia and 5 years for vessels beyond 14" Dia

APPLICATIONS

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

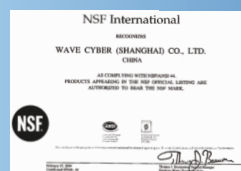
OPERATING CONDITIONS

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



Manufactured by Wave Cyber

Internationally Certified Quality
ISO 9001:2000



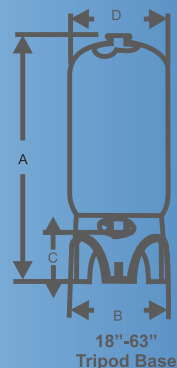
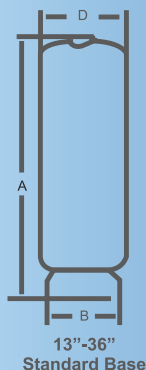
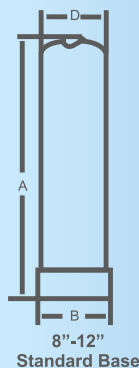
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PRODUCT DETAILS

Residential FRP Vessels	Size	Volume		Weight (Empty)	Opening		Base	Dimensions (mm)			
		Litre	Cu.ft		Top	Bottom		A	B	C	D
	6x10	3.30	0.12	1.00	2.5" -NPSM	-	Standard	256	164	-	155
6x18	6.70	0.24	1.55	2.5" -NPSM	-	Standard	459	164	-	155	
6x35	13.70	0.48	2.75	2.5" -NPSM	-	Standard	891	164	-	155	
7x24	12.60	0.45	2.45	2.5" -NPSM	-	Standard	620	189	-	182	
7x35	19.10	0.7	3.40	2.5" -NPSM	-	Standard	896	189	-	181	
8x24	16.60	0.59	2.88	2.5" -NPSM	-	Standard	612	214	-	207	
8x35	24.8	0.9	4.15	2.5"-8NPSM	-	Standard	890	214	-	206	
8x44	32.2	1.2	4.80	2.5"-8NPSM	-	Standard	1131	214	-	206	
10x35	38.4	1.4	4.60	2.5"-8NPSM	-	Standard	903	264	-	257	
10x54	63.21	2.2	7.40	2.5"-8NPSM	-	Standard	1390	264	-	257	
12x48	88.57	3.1	8.40	2.5"-8NPSM	-	Standard	1233	311	-	308	
12x52	97.90	3.4	8.95	2.5"-8NPSM	-	Standard	1342	311	-	308	
13x54	105.10	3.7	3.8	2.5"-8NPSM	-	Standard	1400	338	-	334	
14x65	148	5.23	14.80	4"-8UN	-	Standard	1674	365	-	363	
16x65	194	6.86	18.65	4"-8UN	4"-8UN	Standard	1671	416	-	413	

Commercial FRP Vessels	Size	Volume (Litre)	Volume (Cu.ft)	Weight (Empty)	Opening		Base	Dimensions (mm)			
					Top	Bottom		A	B	C	D
	18x65	269	9.51	30.50	4"-8UN	-	Standard	1722	458	-	486
257		9.08	33.57	4"-8UN	4"-8UN	Tripod	2027	488	346	486	
18x65	261	9.22	41.50	6" Flange	-	Standard	1776	454	-	485	
			47.60	6" Flange	6" Flange	Tripod	2079	488	292	485	
21x62	330	11.66	42.87	4"-8UN	4"-8UN	Tripod	2064	550	394	555	
			55.60	6" Flange	6" Flange	Tripod	2128	550	339	549	
24x72	473	16.71	55.00	4"-8UN	4"-8UN	Tripod	2168	618	300	626	
	491	17.35	64.60	6" Flange	6" Flange	Tripod	2222	618	245	624	
30x72	697	24.63	90.25	4"-8UN	4"-8UN	Tripod	2139	770	335	780	
	674	23.82	100.10	6" Flange	6" Flange	Tripod	2199	770	280	779	
36x72	1011	35.72	123.00	4"-8UN	4"-8UN	Tripod	2147	932	342	938	
	970	34.28	132.60	6" Flange	6" Flange	Tripod	2213	932	287	931	
42x72	1494	52.79	215.00	6" Flange	6" Flange	Tripod	2360	1038	288	1089	
48x72	1895	66.00	274.00	6" Flange	6" Flange	Tripod	2360	1172	295	1233	
63x67	2451	96.61	306.00	6" Flange	6" Flange	Tripod	2025	1560	305	1625	
63x86	3306	116.82	360.00	6" Flange	6" Flange	Tripod	2453	1560	305	1625	

PRODUCT DRAWING



* This diagram is only for representation purpose, please refer to engg. drawings for actual size.



HAR WASSERTEC PVT. LTD.

D-4, IGNOU Road, Neb Sarai, New Delhi – 110 068

☎️ : +91 9910 288 760, +91 96437 56711

E-mail: info@harwassertec.com, sales@harwassertec.com, harwaser@gmail.com

www.harwassertec.com