

TECHNICAL DATASHEET: FRP PRESSURE VESSELS & TANKS

Water Treatment & Wastewater Treatment Solutions | High-Performance Composite Pressure Tanks

Product Overview

Our FRP (Fiberglass Reinforced Plastic) pressure vessels feature seamless one-piece polyethylene (PE) or SMC inner liners precision-wrapped with high-strength fiberglass filament. Designed for residential, commercial, and industrial water filtration and softening systems.

Key Advantages

- **Easy Discharge:** Specialized bottom discharge models facilitate quick media release.
- **High Sanitary Standard:** One-piece PE blow-molded liner ensures superior water hygiene and thermal stability.
- **Corrosion Resistant:** 100% rustproof composite structure suitable for harsh chemical & saline environments.
- **Color Options:** Natural (-NA), Blue (-BL), Black (-BK), Grey (-GR) or custom on request.

1. STANDARD FRP VESSELS (THREADED & FLANGED OPENINGS)

Model	Vessel Size		Volume (L)	Openings		Dimensions (mm)				Base Type
	Inch	mm		Top	Bottom	LA	LB	LC	D	
0613 (2.5T)	06×13	155×348	4.6	2.5"	—	348	323	—	155	PP Round Base
0617 (2.5T)	06×17	155×450	6.6	2.5"	—	450	433	—	155	PP Round Base
0635 (2.5T)	06×35	155×905	13.7	2.5"	—	905	895	—	155	PP Round Base
0713 (2.5T)	07×13	180×335	6.3	2.5"	—	335	315	—	180	PP Round Base
0717 (2.5T)	07×17	180×430	8.5	2.5"	—	430	410	—	180	PP Round Base
0735 (2.5T)	07×35	180×905	19.1	2.5"	—	905	885	—	180	PP Round Base
0817 (2.5T)	08×17	208×440	10.5	2.5"	—	440	420	—	208	PP Round Base
0820 (2.5T)	08×20	208×485	12.1	2.5"	—	485	465	—	208	PP Round Base
0835 (2.5T)	08×35	208×895	25.2	2.5"	—	895	872	—	208	PP Round Base
0844 (2.5T)	08×44	208×1130	32.2	2.5"	—	1130	1107	—	208	PP Round Base
0917 (2.5T)	09×17	232×460	13.2	2.5"	—	460	425	—	232	PP Round Base
0935 (2.5T)	09×35	232×905	31.6	2.5"	—	905	875	—	232	PP Round Base
0942 (2.5T)	09×42	232×1080	38.5	2.5"	—	1080	1040	—	232	PP Round Base
0948 (2.5T)	09×48	232×1230	48.0	2.5"	—	1230	1198	—	232	PP Round Base
1017 (2.5T)	10×17	260×450	16.5	2.5"	—	450	425	—	260	PP Round Base
1024 (2.5T)	10×24	260×605	22.5	2.5"	—	605	575	—	260	PP Round Base
1035 (2.5T)	10×35	260×900	38.3	2.5"	—	900	870	—	260	PP Round Base
1044 (2.5T)	10×44	260×1123	49.5	2.5"	—	1123	1093	—	260	PP Round Base
1054 (2.5T)	10×54	260×1390	61.9	2.5"	—	1390	1360	—	260	PP Round Base
1248 (2.5T)	12×48	310×1245	79.0	2.5"	—	1245	1195	—	310	PP Round Base
1252 (2.5T)	12×52	310×1333	85.2	2.5"	—	1333	1293	—	310	PP Round Base
1265 (2.5T)	12×65	310×1665	110.4	2.5"	—	1665	1630	—	310	PP Round Base
1348 (2.5T)	13×48	335×1215	89.5	2.5"	—	1215	1195	—	335	PP Round Base
1348 (4T)	13×48	335×1215	89.5	4"-8UN	—	1215	1195	—	335	PP Round Base
1354 (2.5T)	13×54	335×1375	103.6	2.5"	—	1375	1355	—	335	PP Round Base

Model	Vessel Size		Volume (L)	Openings		Dimensions (mm)				Base Type
	Inch	mm		Top	Bottom	LA	LB	LC	D	
1354 (4T)	13×54	335×1375	103.6	4"-8UN	—	1375	1355	—	335	PP Round Base
1452 (2.5T)	14×52	360×1310	96.5	2.5"	—	1310	1300	—	360	PP Round Base
1465 (2.5T)	14×65	360×1645	149.6	2.5"	—	1645	1625	—	360	PP Round Base
1465 (4T)	14×65	360×1645	149.6	4"-8UN	—	1645	1625	—	360	PP Round Base
1465 (4T4B)	14×65	360×1860	149.6	4"-8UN	4"-8UN	1860	1620	240	360	SMC Tripod
1652 (2.5T)	16×52	410×1313	148.6	2.5"	—	1313	1293	—	410	PP Round Base
1652 (4T)	16×52	410×1313	148.6	4"-8UN	—	1313	1293	—	410	PP Round Base
1665 (2.5T)	16×65	410×1650	193.4	2.5"	—	1650	1630	—	410	PP Round Base
1665 (4T)	16×65	410×1650	193.4	4"-8UN	—	1650	1630	—	410	PP Round Base
1665 (4T4B)	16×65	410×1835	193.4	4"-8UN	4"-8UN	1835	1615	220	410	SMC Tripod

1. STANDARD FRP PRESSURE VESSELS (CONTINUED)

Model	Vessel Size		Volume (L)	Openings		Dimensions (mm)				Base Type
	Inch	mm		Top	Bottom	LA	LB	LC	D	
1865 (2.5T)	18×65	460×1675	249	2.5"	—	1675	1585	—	460	SMC Round Base
1865 (4T)	18×65	460×1675	249	4"-8UN	—	1675	1585	—	460	SMC Round Base
1865 (4T4B)	18×65	460×1820	249	4"-8UN	4"-8UN	1820	1595	225	460	SMC Tripod
1865 (6T6B)	18×65	489×1986	258	6"-Flange	6"-Flange	1986	1776	210	489	SMC Tripod
2069 (4T)	20×69	510×1810	283	4"-8UN	—	1810	1600	210	510	SMC Tripod
2069 (4T4B)	20×69	510×1820	283	4"-8UN	4"-8UN	1820	1600	220	510	SMC Tripod
2072 (4T)	20×72	510×1955	312	4"-8UN	—	1955	1735	220	510	SMC Tripod
2072 (4T4B)	20×72	510×1955	312	4"-8UN	4"-8UN	1955	1735	220	510	SMC Tripod
2162 (4T)	21×62	540×1791	326	4"-8UN	—	1791	1561	230	540	SMC Tripod
2162 (4T4B)	21×62	540×1785	326	4"-8UN	4"-8UN	1790	1550	240	540	SMC Tripod
2465 (6T6B)	24×65	610×2018	425	6"-Flange	6"-Flange	2018	1748	270	610	SMC Tripod
2472 (4T)	24×72	610×1915	427	4"-8UN	—	1915	1685	230	610	SMC Tripod
2472 (4T4B)	24×72	610×1920	427	4"-8UN	4"-8UN	1920	1690	230	610	SMC Tripod
2474 (4T4B)	24×74	610×2065	471	4"-8UN	4"-8UN	2065	1835	230	610	SMC Tripod
2474 (6T6B)	24×74	610×2190	427	6"-Flange	6"-Flange	2190	1910	280	610	SMC Tripod
3072 (4T)	30×72	741×1920	690	4"-8UN	—	1920	1705	215	741	SMC Tripod
3072 (4T4B)	30×72	741×1920	690	4"-8UN	4"-8UN	1920	1700	220	741	SMC Tripod
3074 (4T4B)	30×74	767×2000	745	4"-8UN	4"-8UN	2000	1800	200	767	SMC Tripod
3660 (4T4B)	36×60	906×1850	770	4"-8UN	4"-8UN	1850	1490	360	906	SMC Tripod
3672 (4T4B)	36×72	930×2105	960	4"-8UN	4"-8UN	2105	1745	360	930	SMC Tripod
3674 (4T4B)	36×74	920×2175	993	4"-8UN	4"-8UN	2175	1805	370	920	SMC Tripod
3674 (4T6B)	36×74	920×2085	993	4"-8UN	6"-Flange	2085	1805	280	920	SMC Tripod
3674 (6T6B)	36×74	920×2240	993	6"-Flange	6"-Flange	2240	1960	280	920	SMC Tripod
4065 (4T4B)	40×65	1000×1930	1042	4"-8UN	4"-8UN	1930	1535	395	1000	SMC Tripod
4072 (4T4B)	40×72	1000×2178	1305	4"-8UN	4"-8UN	2178	1783	395	1000	SMC Tripod
4072 (6T6B)	40×72	1000×2200	1305	6"-Flange	6"-Flange	2200	1880	320	1000	SMC Tripod
4272 (6T6B)	42×72	1088×2290	1375	6"-Flange	6"-Flange	2290	1990	300	1088	SMC Tripod
4872 (6T6B)	48×72	1200×2250	1743	6"-Flange	6"-Flange	2250	1950	300	1200	SMC Tripod
4894 (6T6B)	48×94	1200×2340	1900	6"-Flange	6"-Flange	2340	2060	280	1200	SMC Tripod
48110 (6T6B)	48×110	1200×2765	2306	6"-Flange	6"-Flange	2765	2480	285	1200	SMC Tripod
6072 (6T6B)	60×72	1500×2420	2650	6"-Flange	6"-Flange	2420	2170	250	1500	SMC Tripod
6086 (6T6B)	60×86	1500×2560	2820	6"-Flange	6"-Flange	2560	2290	270	1500	SMC Tripod
6367 (6T6B)	63×67	1600×2150	2580	6"-Flange	6"-Flange	2150	1850	300	1600	SMC Tripod
6396 (6T6B)	63×96	1600×2580	3320	6"-Flange	6"-Flange	2580	2280	300	1600	SMC Tripod
7294 (6T6B)	72×94	1820×2400	4670	6"-Flange	6"-Flange	2400	2085	315	1820	Hand Layup Tripod
8094 (6T6B)	80×94	2000×2605	5230	6"-Flange	6"-Flange	2605	2295	310	2000	Hand Layup Tripod
80110 (6T6B)	80×110	2000×2825	5910	6"-Flange	6"-Flange	2825	2515	310	2000	Hand Layup Tripod

2. ONE-PIECE PE LINER VESSELS WITH MEDIA DISCHARGE PORT

Model	Vessel Size		Volume (L)	Openings			Dimensions (mm)				Base Type
	Inch	mm		Top	Bottom	Discharge	LA	LB	LC	D	
4065 (4T4B4D)	40×65	1000×1930	1042	4"-8UN	4"-8UN	4"-8UN	1930	1535	395	1000	SMC Tripod Base
4072 (4T4B4D)	40×72	1000×2178	1305	4"-8UN	4"-8UN	4"-8UN	2178	1783	395	1000	SMC Tripod Base
4072 (6T6B4D)	40×72	1000×2200	1305	6"-Flange	6"-Flange	4"-8UN	2200	1880	320	1000	SMC Tripod Base
4272 (6T6B4D)	42×72	1088×2290	1375	6"-Flange	6"-Flange	4"-8UN	2290	1990	300	1088	SMC Tripod Base
4872 (6T6B4D)	48×72	1200×2250	1743	6"-Flange	6"-Flange	4"-Flange	2250	1950	300	1200	SMC Tripod Base
4894 (6T6B4D)	48×94	1200×2340	1900	6"-Flange	6"-Flange	4"-Flange	2340	2060	280	1200	SMC Tripod Base
48110 (6T6B4D)	48×110	1200×2765	2306	6"-Flange	6"-Flange	4"-Flange	2765	2480	285	1200	SMC Tripod Base
6072 (6T6B4D)	60×72	1500×2420	2650	6"-Flange	6"-Flange	4"-Flange	2420	2170	250	1500	SMC Tripod Base
6086 (6T6B4D)	60×86	1500×2560	2820	6"-Flange	6"-Flange	4"-Flange	2560	2290	270	1500	SMC Tripod Base
6396 (6T6B4D)	63×96	1600×2580	3320	6"-Flange	6"-Flange	4"-Flange	2580	2280	300	1600	SMC Tripod Base
7294 (6T6B6D)	72×94	1820×2400	4670	6"-Flange	6"-Flange	6"-Flange	2400	2085	315	1820	Hand Layup Tripod
8094 (6T6B6D)	80×94	2000×2605	5230	6"-Flange	6"-Flange	6"-Flange	2605	2295	310	2000	Hand Layup Tripod
80110 (6T6B6D)	80×110	2000×2825	5910	6"-Flange	6"-Flange	6"-Flange	2825	2515	310	2000	Hand Layup Tripod

Note: Due to the thermal expansion/contraction coefficient of Polyethylene (PE) material, actual dimensions may vary by approximately ±1.2%. Custom colors and specific inlet/outlet configurations are available upon request.