STRUCTURAL
Pentair Water

COMPOSITE PRESSURE VESSELS

COMPOSITE VS. STEEL

Global Leaders in Composite Pressure Vessel Technology

The non-corrosive, cost-effective solution for commercial/industrial water treatment and storage

STRUCTURAL® TECHNOLOGY AND MANUFACTURING PROCESSES

Our exclusive, patented manufacturing process creates a seamless polyethylene shell that is wound continuously with fiber-glass roving and sealed with epoxy resin. This process results in a corrosion-resistant, leak-free vessel. Computer-aided winding machines and other customized equipment are used to produce a tank that offers out-standing performance and durability.

APPLICATIONS

Composite Pressure Vessels are used for large commercial and industrial applications such as:

- Softening
- Filtration
- Storage

WHY CUSTOMERS SPECIFY STRUCTURAL

- Trusted performance
- High quality products
- Unparalleled customer support
- Rapid delivery

COMPOSITE PRESSURE VESSELS

SPECIFICATIONS

DESCRIPTION	OPENING	OPERATING PRESSURE (PSI/BAR)	HEIGHT W/ BASE (IN/MM) [1]	HEIGHT W/O BASE (IN/MM) [1]	DIAMETER (IN/MM) [2]	CAPACITY (GAL/LITER)	BASE	WEIGHT W/ BASE (LBS/KG) [3]
18 x 65	4"T	150/10.34	66.25/1682.0	65.00/1651.0	18.65/473.8	64/242.0	SMC	67/30.4
18 x 65	4"TB	150/10.34	73.13/1857.5	65.63/1667.0	18.65/473.8	64/242.0	SMC EXT	67/30.4
21 x 62	4"T	150/10.34	67.13/1705.0	63.50/1612.9	22.00/558.8	84/318.0	SMC	95/43.1
21 x 62	4"TB	150/10.34	72.75/1847.9	63.50/1612.9	21.75/552.5	84/318.0	SMC EXT	95/43.1
24 x 72	4"T	150/10.34	74.66/1896.3	70.60/1793.2	24.25/616.0	118/446.7	SMC	109/49.4
24 x 72	4"TB	150/10.34	80.42/2042.7	70.30/1785.6	24.60/624.8	119/450.5	SMC EXT	124/56.2
24 x 72	6"TBF	150/10.34	88.50/2247.9	74.50/1892.3	24.20/614.7	119/450.5	TRIPOD	137/62.1
30 x 60	6"TF	150/10.34	71.63/1819.4	64.34/1634.2	30.20/767.0	151/571.6	SMC EXT	185/83.9
30 x 60	6"TBF	150/10.34	82.50/2095.5	68.50/1739.9	30.20/767.0	151/571.6	TRIPOD	185/83.9
30 x 72	4"TB	150/10.34	78.90/2004.1	70.40/1788.2	30.07/763.8	187/707.9	SMC EXT	198/89.8
30 x 72	6"TBF	150/10.34	88.90/2258.1	74.90/1902.5	30.20/767.1	187/707.9	TRIPOD	211/95.7
36 x 72	4"TB	150/10.34	80.50/2004.7	70.50/1790.7	36.00/914.4	264/999.3	SMC EXT	285/129.3
36 x 72	6"TBF	150/10.34	90.39/2295.9	76.14/1933.9	36.12/917.4	264/999.3	TRIPOD	285/129.3
42 x 72	6"TF	150/10.34	72.52/1842.0	71.14/1807.0	42.25/1073.2	345/1306.0	SMC LOW	370/168.0
42 x 72	6"TBF	150/10.34	90.12/2289.0	73.00/1854.2	42.25/1073.2	345/1306.0	TRIPOD	400/181.0
48 x 72	6"TF	150/10.34	81.54/2071.2	75.16/1909.1	48.25/1225.6	463/1753.0	SMC LOW	494/224.0
48 x 72	6"TBF	150/10.34	92.90/2359.7	76.90/1953.3	48.25/1225.6	463/1753.0	TRIPOD	494/224.0
63 x 67	6"TBF	150/10.34	81.41/2067.8	67.10/1704.3	64.00/1625.7	600/2271.0	TRIPOD	680/308.0
63 x 67	16"TMY, 6"BF	150/10.34	82.24/2088.9	67.80/1722.1	64.00/1625.7	600/2271.0	TRIPOD	680/308.0
63 x 86	6"TBF	150/10.34	98.54/2502.9	84.10/2136.1	64.00/1625.7	900/3407.0	TRIPOD	950/431.0
63 x 86	16"TMY, 6"BF	150/10.34	98.94/2513.1	84.50/2146.3	64.00/1625.7	900/3407.0	TRIPOD	950/431.0
63 x 116	16"TMY, 6"BF	150/10.34	130.44/3313.2	116.00/2946.4	64.00/1625.7	1250/4732.0	TRIPOD	1190/540.0
63 x 144	16"TMY, 6"BF	150/10.34	160.18/4068.6	145.50/3695.7	64.50/1638.3	1600/6057.0	TRIPOD	1398/634.0

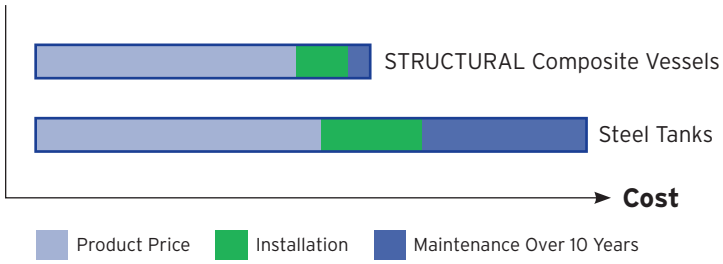
[1] Height Tolerance is +/- 1.00in/ 25.4 mm
[2] Diameter Tolerence is +/- .50in/ 12.7 mm
[3] Product Weight – Contact customer service for shipping weight

Note: ASME Code available on flanged tanks 18" to 48" in diameter

COMPOSITE VESSEL BENEFITS OVER STEEL TANKS

Steel Tanks	STRUCTURAL Composite Vessels
Very heavy and difficult to handle thus involves higher labor cost to install	60% lighter than steel and easier to handle thus lower installation costs
Corrode and rust over a period of time	Corrosion-resistant both inside and out
Lining has to be periodically treated	Low maintenance
Painting and coating have to be undertaken regularly	Natural fiberglass shell never fades or changes color; colored shells recommended for UV protection

COMPOSITE VESSELS: LOWER TOTAL OPERATION COSTS VERSUS STEEL TANKS



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