

# Fiberglass Composite Mineral Vessels

## FIBERGLASS COMPOSITE TANKS

Water King RF and BF Series systems use fiberglass composite vessels with a fiberglass exterior and polyethylene liner.

## SPECIFICATIONS

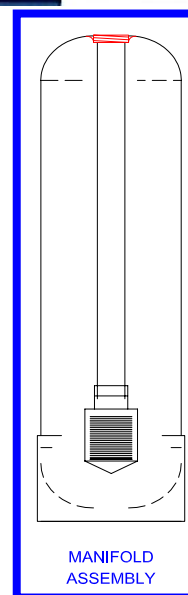
**Standard Vessels.** Composite tanks shall be 100% non-metallic construction, seamless, molded vessels with no welds or joints. The inner shell shall be constructed of polyethylene and the outside shall be wound with continuous fiberglass, roving to provide superior strength under pressures up to 150 psi. All tanks, vessels, and the materials used in their construction shall be accepted or certified by the Water Quality Association and ANSI/NSF Standard 44. Working pressure rating shall be 100 psi with a design factor of safety of at least 4:1. The tanks have a circular plastic base. Water King's fiberglass composite tanks are covered by a 5-year warranty. Standard color shall be blue.

**Note on temperature ratings.** Composite polyester tanks with polyethylene lining with threaded fittings shall be rated at 120°F. Composite tanks with flanged fittings shall be rated at 150°F. Vinyl ester FRP tanks, without liners, with threads shall be rated at 150°F.

**Commercial Application.** The Task Master II™ 1 ½ - inch valve is "top mounted" on a 4-inch diameter threaded opening, which is molded directly into the fiberglass tank. Bayou Series Magnum IT valves are also 4" top mounted.

**Residential / Light Commercial Application.** The Bayou Series ¾" and 1" plastic valves mount on a 2 ½" threaded top opening.

**Bottom Drain.** Water King can provide a bottom drain for fiberglass vessels. This is useful if you must drain the softener to prevent freezing or for transportation of rental units. Tanks with bottom openings must be specially ordered.



<b>COMPOSITE MINERAL VESSELS</b>							
<b>Tank Size</b>	<b>Part No.</b>	<b>U.S. Gallons</b>	<b>Cubic Feet</b>	<b>Tank Ht. C1</b>	<b>Overall Std. Base L1</b>	<b>Overall Ext. Base L2</b>	<b>Std. Top Opening</b>
6" x 18"	100200	1.8	0.24	18.0	18.6	NA	2.5
7" x 40"	100005	6.1	0.81	39.9	40.2	NA	2.5
7" x 44"	100009	6.7	0.90	43.4	43.7	NA	2.5
8" x 44"	100048	8.7	1.16	44.1	44.4	NA	2.5
9" x 48"	100088	11.8	1.58	47.9	48.2	NA	2.5
10" x 40"	100007	11.5	1.54	40.1	40.3	NA	2.5
10" x 54"	100013	16.4	2.19	54.6	54.8	NA	2.5
12" x 52"	100044	22.2	2.97	52.4	52.9	NA	4"-8UN
13" x 54"	100046	27.5	3.68	54.0	54.8	NA	4"-8UN
14" x 65"	100017	39.7	5.3	65.0	65.7	70.5	4"-8UN
16" x 65"	100087	48.3	6.4	65.0	65.9	71.1	4"-8UN
21" x 62"	100089	82.0	11.0	62.0	63.8	69.3	4"-8UN
24" x 72"	100187	120.0	16.0	70.5	73.3	78.9	4"-8UN
30" x 72"	100190	187.0	25.0	70.2	77.0	Tripod Base	4"-8UN
36" x 72"	100189	264.0	35.3	70.5	86.2	Tripod Base	4"-8UN
42" x 72"	100192	345.0	46.1	73.0	94.6	Tripod Base	6F
48" x 72"	100192	463.0	61.9	80.8	96.6	Tripod Base	6F

<b>TANK COMPONENTS</b>		
<b>Size</b>	<b>Description</b>	<b>Part Number</b>
¾"	Distributor and riser pipe for residential tank	703005
1½"	Distributor and riser for RF and BF	703006
¾"	Distributor head only for residential tank	703023-7
1½"	Distributor head only for RF and BF	703023-11
1¼"	Distributor head only for RF (Old style)	703023-2
	Funnel for pouring resin and gravel into tank	400903
7"	Tank Foot	100097
8"	Tank Foot	100098
9"	Tank Foot	100192
10"	Tank Foot	100099

