

## FRP Softener Vessels



Grace FRP Pressure Vessels are ideal solutions for general commercial and industrial water treatment with essentially outstanding features of anti-corrosion and cost-effectiveness. Constructed by seamless Polyethylene and strengthened Fiber Reinforced Plastic (FRP) liners, all vessels are roved by FRP filament and sealed with high quality epoxy resin. Grace supplies a comprehensive series of NSF 44 certified FRP pressure vessels which are able to satisfy different needs and demanding requirements.



- ⊗ **Vessels are constructed by food grade seamless Polyethylene and strengthened FRP liners, providing wide chemical compatibility.**
- ⊗ **Quality assurance is proved by NSF 44 certificate.**
- ⊗ **Vessels are widely compatible with commercial and industrial control valves.**
- ⊗ **Manways, side flanges, sight glasses and optional water distribution systems are available for customized requests.**

### Applications

Pre RO, Ion Exchange, Water Softener, Waste Water Filtration, Household Water Filtration, Food & Beverage, Water Storage

### Specifications

Inner Shell	Polyethylene, Fiber Reinforced Plastic (FRP)
Outer Shell	Wound FRP Filament with Epoxy Resin Seal
Opening	2.5" - 8" NPSM threads (Polypropylene), 4"-8" UN threads (ABS), 4.5" - 8" Buttress (ABS), 6" Flange (FRP), other customized Manways and Side Flanges
Optional Color	Natural White, Blue, Gray, Black

### Operation Data

Operating Temperature : 2°C ~ 49°C (35°F ~ 120°F)  
 Maximum Operating Pressure : 10 bar(150 psi)  
 Maximum Vacuum Pressure : 5" Hg(127mm Hg)

## FRP Softener Vessels

### Dimensions

Size (Inches)	Opening		Tank Diameter (mm)	Height With Base (mm)	Capacity		Base
	Top	Bottom			Gallon	Liter	
FRTK0724	NPSM 2.5"	N/A	181	645	4.0	15.0	Standard
FRTK0735	NPSM 2.5"	N/A	181	925	5.2	19.7	
FRTK0817	NPSM 2.5"	N/A	206	460	3.1	11.7	
FRTK0820	NPSM 2.5"	N/A	206	295	3.5	13.4	
FRTK0835	NPSM 2.5"	N/A	206	920	6.6	25.0	
FRTK0844	NPSM 2.5"	N/A	206	1140	8.7	32.9	
FRTK0935	NPSM 2.5"	N/A	232	910	8.3	31.4	
FRTK0940	NPSM 2.5"	N/A	232	1025	9.5	36.0	
FRTK0948	NPSM 2.5"	N/A	232	1225	12.7	48.0	
FRTK1017	NPSM 2.5"	N/A	257	460	4.8	18.2	
FRTK1035	NPSM 2.5"	N/A	257	905	10.2	38.6	
FRTK1044	NPSM 2.5"	N/A	257	1130	13.1	49.6	
FRTK1054	NPSM 2.5"	N/A	257	1390	16.4	62.0	
FRTK1248	NPSM 2.5"	N/A	308	1225	20.6	78.0	
FRTK1252	NPSM 2.5"	N/A	308	1340	22.2	84.0	
FRTK1252	Buttress 4.5"	N/A	308	1340	22.2	84.0	
FRTK1265	NPSM 2.5"	N/A	308	1675	29.6	112.0	
FRTK1354	NPSM 2.5"	N/A	334	1390	27.5	104.0	
FRTK1465	NPSM 2.5"	N/A	360	1640	40.7	154.0	
FRTK1465	UN 4"	N/A	360	1640	40.7	154.0	
FRTK1665	NPSM 2.5"	N/A	410	1640	48.9	185.0	
FRTK1665	UN 4"	N/A	410	1640	48.9	185.0	
FRTK1672	NPSM 2.5"	N/A	405	2042	53.6	203.0	
FRTK1672	UN 4"	N/A	405	2042	53.6	203.0	

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Size (Inches)	Opening		Tank Diameter (mm)	Height With Base (mm)	Capacity		Base
	Top	Bottom			Gallon	Liter	
FRTK1865	UN 4"	N/A	470	1902	66.8	253.0	Tripod
FRTK2072	UN 4"	N/A	520	2042	89.0	337.0	
FRTK2072	UN 4"	Flange 6"	520	2042	89.0	337.0	
FRTK2162	UN 4"	N/A	550	1842	88.0	333.0	
FRTK2162	UN 4"	Flange 6"	550	1842	88.0	333.0	
FRTK2472	UN 4"	N/A	620	2042	126.8	480.0	
FRTK2472	UN 4"	Flange 6"	620	2042	126.8	480.0	
FRTK3072	UN 4"	N/A	775	2045	195.5	740.0	
FRTK3072	UN 4"	Flange 6"	775	2045	195.5	740.0	
FRTK3672	UN 4"	N/A	925	2145	283.0	1071.0	
FRTK3672	UN 4"	Flange 6"	925	2145	283.0	1071.0	
FRTK4072	Flange 6"	N/A	1025	2148	338.7	1282.0	
FRTK4072	Flange 6"	Flange 6"	1025	2148	338.7	1282.0	
FRTK4872	Flange 6"	N/A	1225	2105	477.7	1808.0	
FRTK4872	Flange 6"	Flange 6"	1225	2105	477.7	1808.0	
FRTK4896	Flange 6"	N/A	1225	2695	657.0	2487.0	
FRTK4896	Flange 6"	Flange 6"	1225	2695	657.0	2487.0	
FRTK5696	Flange 6"	N/A	1430	2730	844.1	3195.0	
FRTK5696	Flange 6"	Flange 6"	1430	2730	844.1	3195.0	
FRTK6096	Flange 6"	N/A	1530	2652	958.0	3626.0	
FRTK6096	Flange 6"	Flange 6"	1530	2652	958.0	3626.0	

Other sizes can be customized on requests.

### Ordering Information

Type	Tank Size W X H (inch)	Color	Material of Liner	Opening				Option
				Position	Size	Position	Size	
<b>FRTK</b> FRP Softener Vessel	<b>0724</b>	<b>W</b> - Natural White	<b>E</b> Polyethylene <b>R</b> - FRP	<b>T</b> -Top <b>B</b> -Bottom	<b>25</b> -2.5" NPSM <b>40</b> -4" UM <b>60</b> -6" Flange	<b>T</b> -Top <b>B</b> -Bottom	<b>25</b> -2.5" NPSM <b>40</b> -4" UM <b>60</b> -6" Flange	<b>N</b> -No Base
	<b>0735</b>	<b>B</b> - Blue						
	<b>6096</b>	<b>G</b> - Gray <b>K</b> - Black						
<b>FRTK</b> FRP Softener Vessel	<b>0948</b> 9" x 48"	<b>B</b> Blue	<b>R</b> FRP	<b>T</b> Top	<b>25</b> 2.5" NPSM			