

FRP TANK



FRP Pressure Tank

HYDROPRO Poly Glass Vessels have been the industry standard for quality and performance for over 30 years. Featuring a one piece, seamless high density polyethylene liner and an encapsulated, leak free engineered polymer inlet Poly Glass Vessels are designed to provide you with years of worry free performance.

MATERIAL OF CONSTRUCTION

Inner shell of high density polyethylene
Threaded inlet in various sizes: 2.5 in. 4 in

OPERATING PARAMETERS

Maximum operating pressure – 150 psi
Maximum operating temperature – 120° F

APPLICATIONS

Residential/light commercial softening
Residential/light commercial filtration
Portable exchange tanks

COLOR OPTIONS

GR – Gray NA – Natural
BL – Blue BK – Black

FEATURES/BENEFITS

For residential and light commercial water softener/filtration applications.
Slim diameter with capacities from 2 to 85 gallons.
Unmatched strength and chemical resistance.
5-year warranty for 7 in. - 21 in. vessels

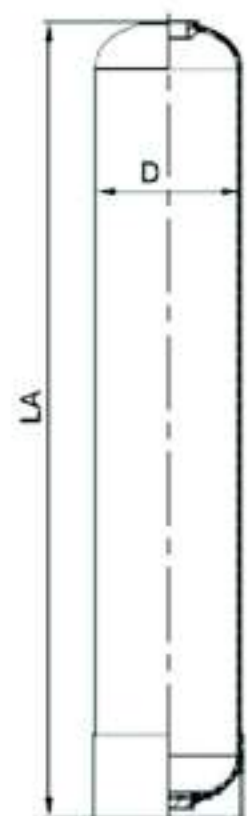
HYDROPRO DESIGN PARAMETERS

Safety factor – 4:1
Minimum burst at 600 psi
Tested to 100,000 cycles without leakage

SPECIFICATIONS FOR PE LINER TANKS

Vessel Dia.	Tank Size		Opening		Height with Base (LA) mm	Diameter (D) mm	Capacity Gallons	Ship Weight KG	Base
	in.	mm.	Top	Bottom					
7 in.	7x17	180x430	2.5 in.	N/A	431	185	2.3	1.8	STANDARD
	7x35	180x905	2.5 in.	N/A	905	185	5.2	3.2	STANDARD
	7x44	180x1130	2.5 in.	N/A	1138	185	6.7	3.8	STANDARD
8 in.	8x17	205x445	2.5 in.	N/A	431	210	3.0	1.9	STANDARD
	8x35	205x905	2.5 in.	N/A	901	210	6.6	3.4	STANDARD
	8x44	205x1130	2.5 in.	N/A	1133	210	8.7	4.4	STANDARD
9 in.	9x35	230x905	2.5 in.	N/A	904	234	8.3	3.9	STANDARD
	9x42	230x1085	2.5 in.	N/A	1070	234	10.1	4.8	STANDARD
	9x48	230x1230	2.5 in.	N/A	1247	234	11.8	5.6	STANDARD
10 in.	10x35	255x905	2.5 in.	N/A	908	257	10.2	4.5	STANDARD
	10x40	255x1020	2.5 in.	N/A	1020	257	11.5	5.2	STANDARD
	10x44	255x1130	2.5 in.	N/A	1138	257	13.1	5.6	STANDARD
	10x54	255x1390	2.5 in.	N/A	1389	257	16.4	7.2	STANDARD
12 in.	12x48	300x1235	2.5 in.	N/A	1229	306	20.6	8.2	STANDARD
	12x52	300x1340	2.5 in.	N/A	1327	306	22.2	8.5	STANDARD
13 in.	13x54	330x1400	2.5 in.	N/A	1366	333	27.0	9.7	STANDARD
14 in.	14x65	355x1670	2.5 in.	N/A	1656	370	38.0	13.3	STANDARD
	14x65	355x1670	4 in.	N/A	1660	370	38.0	13.9	STANDARD
16 in.	16x65	400x1670	2.5 in.	N/A	1671	409	49.0	17.3	STANDARD
	16x65	400x1670	4 in.	N/A	1677	409	49.0	17.9	STANDARD
18 in.	18x65	450x1670	4 in.	N/A	1693	472	64.0	31.4	SMC
21 in.	21x62	535x1690	4 in.	N/A	1705	557	84.0	29.1	SMC
	21x62	535x1690	4 in.	4 in.	2029	557	84.0	37.3	TRIPOD

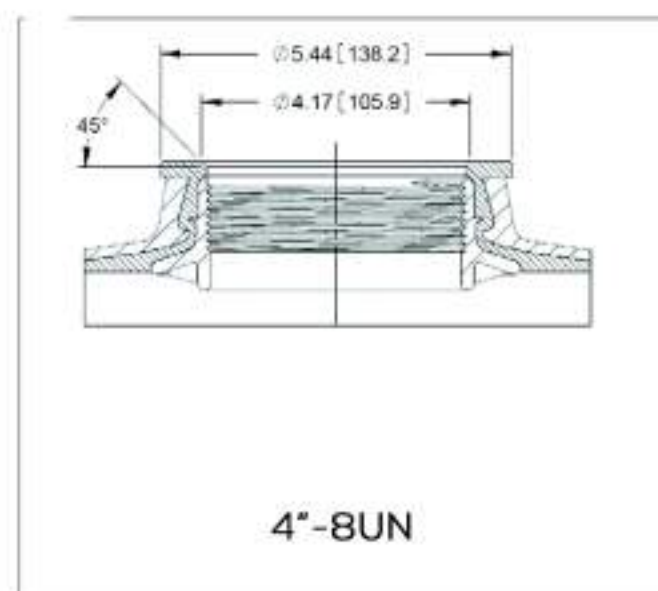
*Measurements are subject to change without notice and are for reference only.
 *Please refer the individual drawing for dimension, volumes and weight etc.



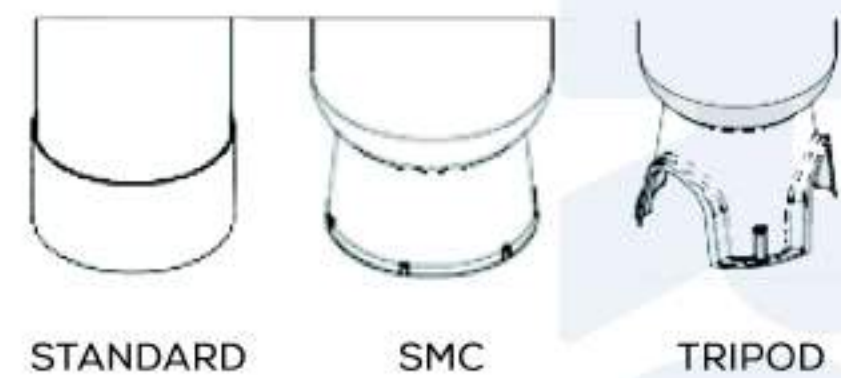
Detail 2.5 in. opening



Detail 4 in. opening



Detail base



FRP Pressure Tank

The non-corrosive, cost-effective solution for commercial/industrial water treatment and storage. HYDROPRO COMPOSITE VESSELS offer fiberglass construction for outstanding performance and durability in harsh chemical environments. Available in capacities up to 900 gallon composite vessels are available with a variety of different configurations.

MATERIAL OF CONSTRUCTION

Polyethylene Inner shell

Opening in various options:

4 in. threaded,

6 in. threaded,

6 in. flanged.

OPERATING PARAMETERS

Maximum operating pressure: 150Psi

Maximum operating temperature-

Thread inlet tank 49°C (120°F)

Flange inlet tank 65°C (150°F)

Maximum vacuum: 127mmHg (5"Hg)

Storage temperature: >-16.6°F (-27°C)

APPLICATIONS

Commercial/industrial softening

Commercial/industrial filtration

FEATURES/BENEFITS

100% composite fiberglass construction

Outstanding performance and durability

Seamless design prevents from leakage

Absolutely will not-and cannot-rust

Factory-backed five-year warranty

HYDROPRO DESIGN PARAMETERS

Safety factor - 4:1

Minimum burst at 600 psi

Tested to 250,000 cycles without leakage

COLOR OPTIONS

GR - Gray

NA - Natural

BL - Blue

BK - Black

SPECIFICATIONS FOR PE LINER TANKS

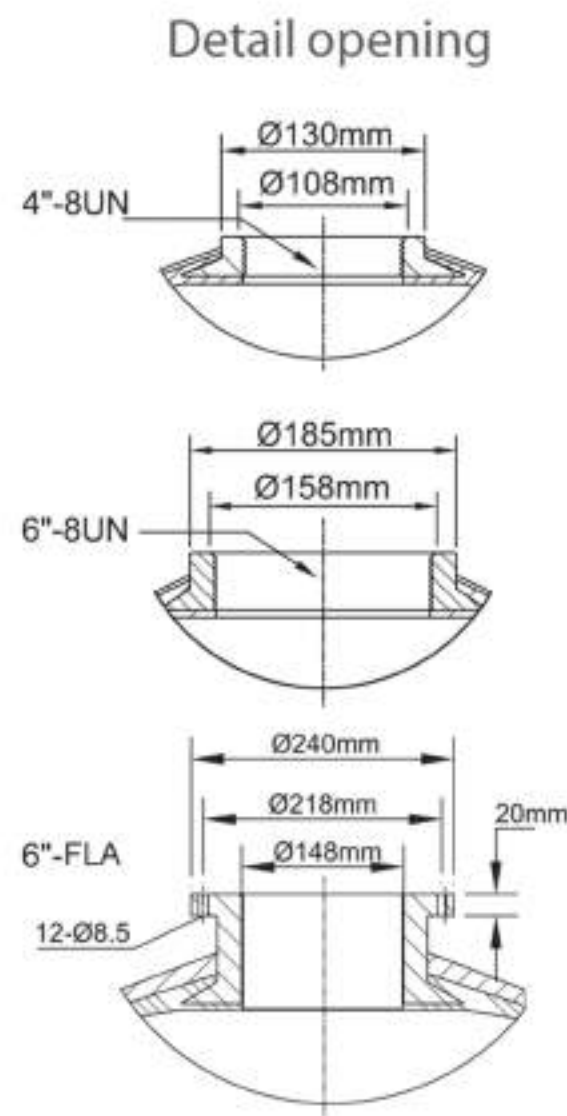
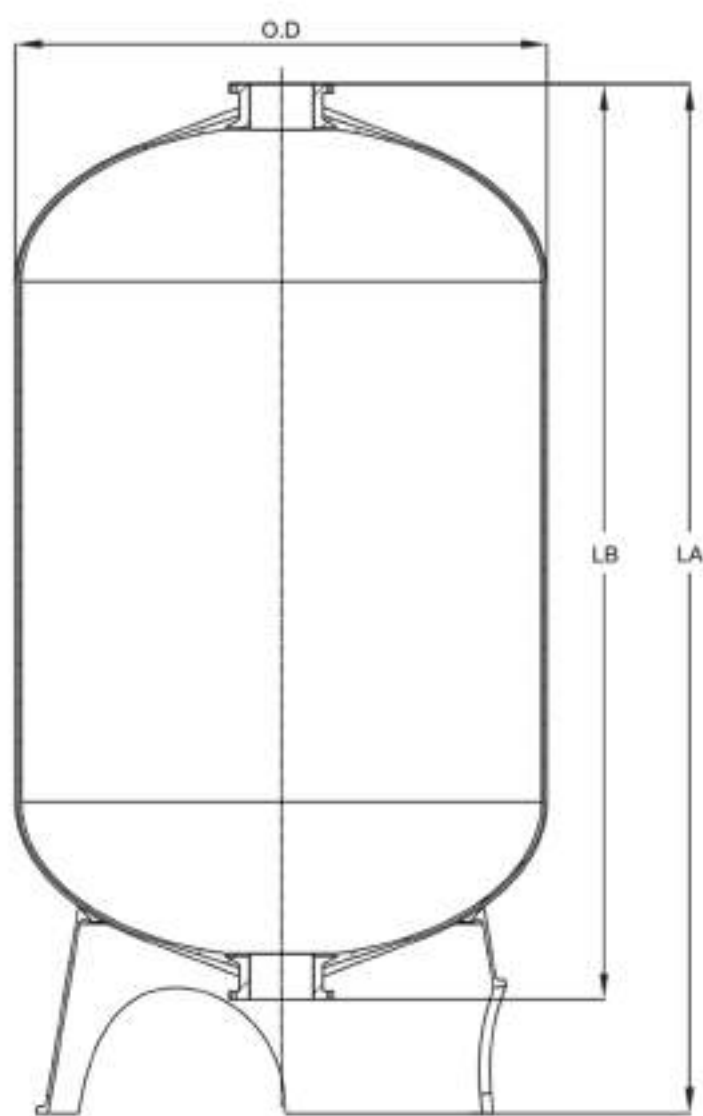
Vessel Dia.	Tank Size		Tank Opening		Tank Height		Diameter mm	Capacity Gallons	Ship Wt. KG	Base
	in.	mm.	Top	Bottom	(LA) mm	(LB) mm				
24 in.	24X72	610x1829	4"-8UN	\	1880	1743	613	119	63	SMC
	24x72	610x1829	4"-8UN	4"-8UN	2182	1764	625	119	63	TRIPOD
30 in.	30X72	762x1829	4"-8UN	\	2003	1775	764	187	106	SMC
	30X72	762x1829	4"-8UN	4"-8UN	2195	1772	764	187	99	TRIPOD
	30X72	762x1829	6"-8UN	\	1962	1737	764	187	106	SMC
	30X72	762x1829	6"-8UN	6"-8UN	2212	1796	767	187	99	TRIPOD
36 in.	36X72	914x1829	4"-8UN	\	2042	1776	914	264	132	SMC
	36X72	914x1829	4"-8UN	4"-8UN	2223	1791	914	264	132	TRIPOD
	36X72	914x1829	6"-8UN	\	2051	1784	914	264	132	SMC
	36X72	914x1829	6"-8UN	6"-8UN	2240	1818	917	264	132	TRIPOD
	36X72	914x1829	6" FLG	\	2090	1825	917	264	132	SMC
	36X72	914x1829	6" FLG	6" FLG	2275	1922	917	264	132	TRIPOD
42 in.	42X72	1067x1829	4"-8UN	4"-8UN	2330	1937	1073	345	204	TRIPOD
	42X72	1067x1829	6" FLG	6" FLG	2289	1854	1073	345	204	TRIPOD
48 in.	48X72	1219x1829	6" FLG	6" FLG	2335	1932	1226	463	249	TRIPOD
63 in.	63X67	1600x1702	6" FLG	6" FLG	2068	1704	1626	600	408	TRIPOD
	63X86	1600x2184	6" FLG	6" FLG	2513	2164	1626	900	454	TRIPOD

* Measurements are subject to change without notice and are for reference only.

**Please refer the individual drawing for dimension, volumes and weight etc.

NOTE: Flexible connections must be installed between hard piping and tank opening. Failure to install flex connection properly with the vessel will void the warranty.

NOTE: An adequate vacuum breaker must be installed if negative pressure exceed 127mmHg (5" Hg) inside.



Detail Base



SMC



TRIPOD