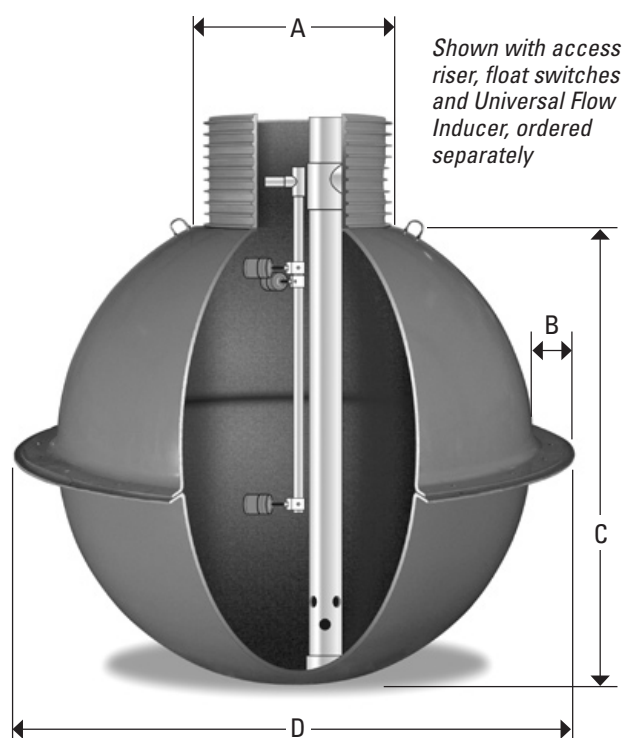


500-gallon Fiberglass Tank

Applications

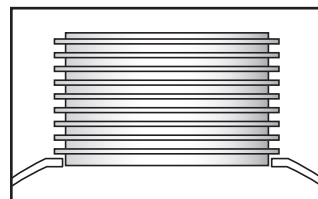
The Orenco® 500-gallon Fiberglass Tank is designed for underground use as a pump tank in onsite residential and commercial wastewater collection and treatment systems, as well as in other applications such as rainwater harvesting. When used in locations that receive vehicle traffic, an engineered traffic-bearing pad is required, to avoid possible damage to the tank.

These tanks are not approved for use with potable water.

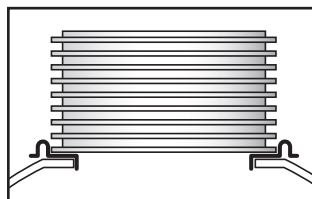


Light enough to transport in a pickup truck or on a small trailer, Orenco's 500-gallon tanks can be installed with a small backhoe to their maximum burial depth of 72 in. (1830 mm).

Riser Connection



Ultra-Rib™ pipe cut to fit into the hole in the top of the tank (24-in. diameter risers and smaller)



Ultra-Rib pipe cut flush to rib to fit adapter flange for 30-in. diameter access risers

General

Orenco's 500-gallon fiberglass tanks are water tested at the factory to be 100% watertight. They directly accept Orenco's standard diameter access risers from 12-24 inches (305-600 mm). A 30-in. diameter access riser can be fitted to the 500-gallon tank by use of an FRTA30-FRP riser adapter. Risers and adapters are bonded to tanks with two-component structural adhesive. Access risers, adapters, float switches and Universal Flow Inducers are ordered separately.

Inlet and outlet piping are typically 2-in. nominal PVC. Inlet piping is plumbed through either the tank wall or the riser. Discharge piping is plumbed through the riser only. Both require a grommet. For raw sewage entering the tank through 4-in. pipe, contact Orenco for adapter fittings.

Standard Model

T500, TU500

Nomenclature

T	500-	-	-
Riser connection:			
30 = 30" adapter installed			
Diameter of access riser opening:			
Blank = no riser opening			
12 = accepts 12" riser			
18 = accepts 18" riser			
21 = accepts 21" riser			
24 = accepts 24" riser			
C = custom; specify			
Blank = assembled			
U = unassembled			
Tank, 500 gal.			

Specifications

Dimensions in inches (millimeters)

A	Outside diameter of tank access	23.5 (600)
B	Flange width	5.5 (140)
C	Height	60 (1524)
D	Diameter	77.5 (1969)

Weight in pounds (kilograms)

Approximate weight	200 (91)
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Volume in gallons (liters)

Total available volume	623 (2347)
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Material of construction

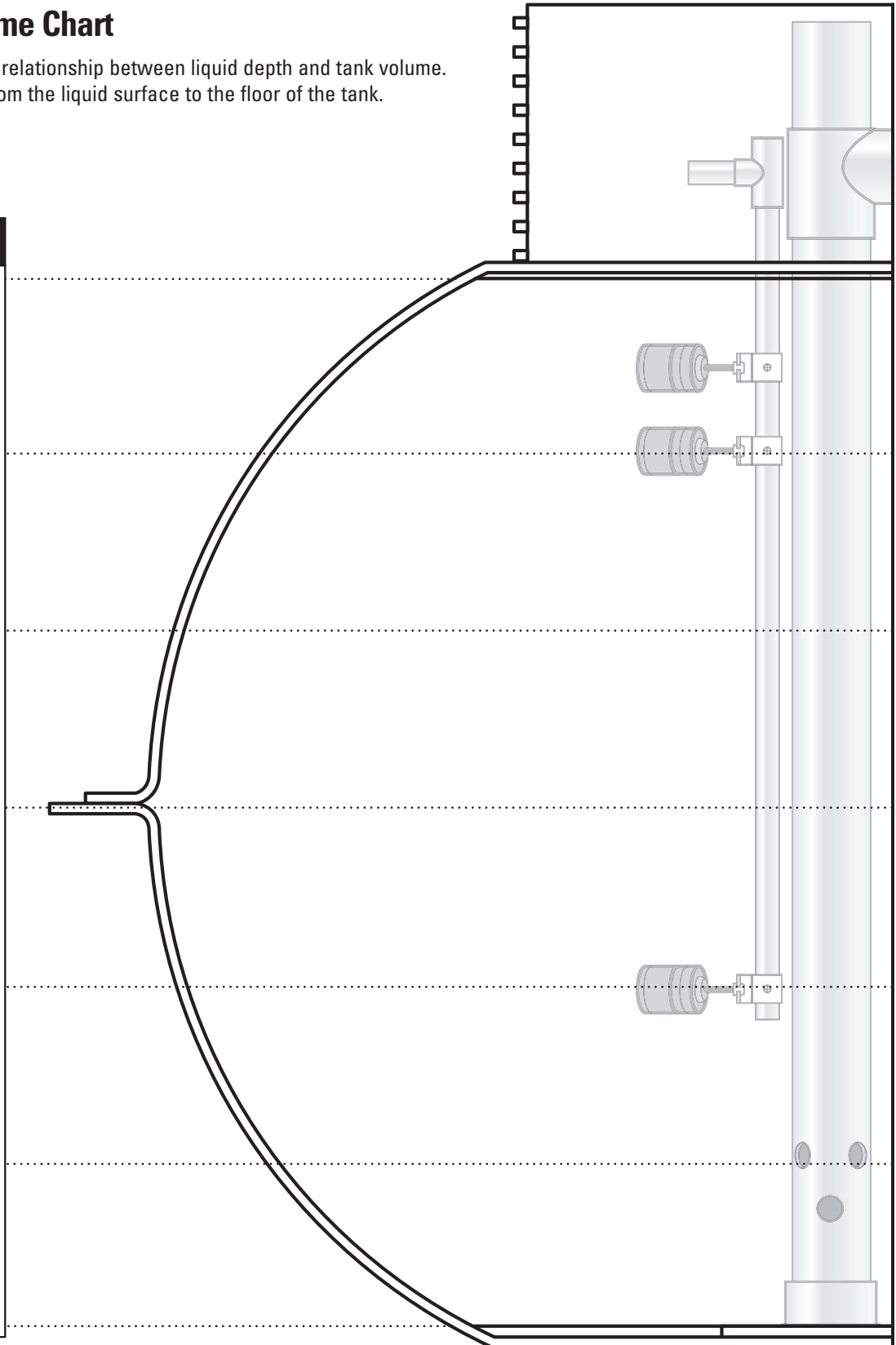
Fiberglass-reinforced polyester

500-gal. Fiberglass Tank (continued)

Liquid Depth Volume Chart

The chart below shows the relationship between liquid depth and tank volume. Liquid depth is measured from the liquid surface to the floor of the tank.

Liquid Depth, in. (mm)	Tank Volume, Gallons (liters)
59 (1499)	623.2 (2359)
58 (1473)	620.8 (2350)
57 (1448)	617.2 (2336)
56 (1422)	612.7 (2319)
55 (1397)	607.5 (2300)
54 (1372)	601.7 (2278)
53 (1346)	595.1 (2253)
52 (1321)	587.9 (2225)
51 (1295)	580.1 (2196)
50 (1270)	571.7 (2164)
49 (1245)	562.7 (2130)
48 (1219)	553.2 (2094)
47 (1194)	543.2 (2056)
46 (1168)	532.7 (2016)
45 (1143)	521.7 (1975)
44 (1112)	510.3 (1932)
43 (1092)	498.5 (1887)
42 (1067)	486.4 (1841)
41 (1041)	473.8 (1793)
40 (1016)	461.0 (1745)
39 (991)	447.9 (1695)
38 (965)	434.4 (1644)
37 (940)	420.8 (1593)
36 (914)	406.9 (1540)
35 (889)	392.9 (1487)
34 (864)	378.7 (1434)
33 (838)	364.4 (1379)
32 (813)	349.9 (1325)
31 (787)	335.4 (1270)
30 (762)	320.8 (1214)
29 (737)	305.6 (1157)
28 (711)	290.9 (1101)
27 (686)	276.4 (1046)
26 (660)	261.9 (991)
25 (635)	247.6 (937)
24 (610)	233.3 (883)
23 (584)	219.3 (830)
22 (559)	205.4 (778)
21 (533)	191.7 (726)
20 (508)	178.2 (675)
19 (483)	165.0 (625)
18 (457)	152.1 (576)
17 (432)	139.5 (528)
16 (406)	127.2 (482)
15 (381)	115.4 (437)
14 (356)	103.9 (393)
13 (330)	92.8 (351)
12 (305)	82.2 (311)
11 (279)	72.1 (273)
10 (254)	62.4 (236)
9 (229)	53.3 (202)
8 (203)	44.8 (170)
7 (178)	36.9 (140)
6 (152)	29.5 (112)
5 (127)	22.9 (87)
4 (102)	16.8 (64)
3 (76)	11.5 (44)
2 (51)	6.9 (26)
1 (25)	3.1 (12)
floor	0.0



Shown with access riser and Universal Flow Inducer, ordered separately