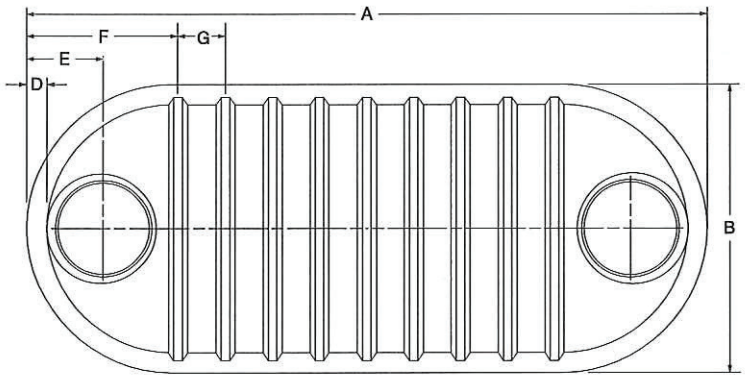
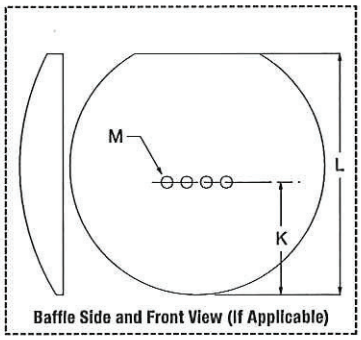
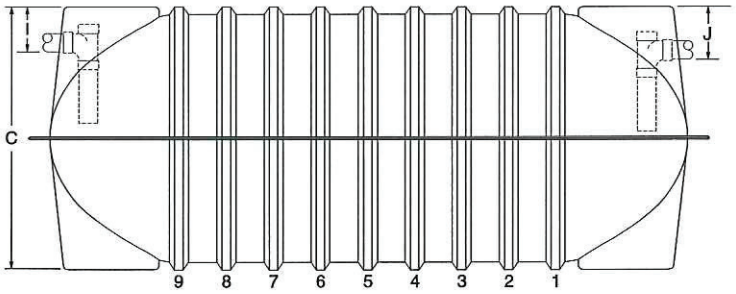
Orenco® Orenco Fiberglass Tank Nominal Dimensions*



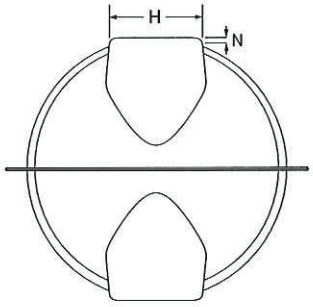
Top View



Baffle Side and Front View (If Applicable)



Side View



End View

Specifications

		1000 gal. (3785 L)	1500 gal. (5678 L)
Dimensions in inches (and millimeters)			
A	Length	121.0 (3073)	168.0 (4270)
B	Width	72.0 (1830)	72.0 (1830)
C	Height	64.5 (1640)	64.5 (1640)
D	Flange width	5.5 (140)	5.5 (140)
E	End to center of tank access	21.5 (550)	21.5 (550)
F	End to first rib	37.0 (940)	37.0 (940)
G	Rib spacing	11.6 (295)	11.6 (295)
H	Outside diameter of tank access	23.5 (600)	23.5 (600)
I	Inlet invert (typical)	11.0 (280)	11.0 (280)
J	Outlet invert (typical – if used)	13.0 (330)	13.0 (330)
K	Height to pass-through holes (typ.)**	30.0 (760)	30.0 (760)
L	Height to top of baffle	60.0 (1520)	60.0 (1520)
M	Pass-through hole diameter	3.0 (76)	3.0 (76)
N	Riser adapter depth	1.5 (38)	1.5 (38)
Weight in pounds (and kilograms)			
1-compartment (assembled)		390 (177)	590 (268)
2-compartment (assembled)		420 (191)	620 (281)
Volume in gallons (and liters)			
Volume to typical invert of inlet		1086 (4111)	1615 (6112)
Volume to typical invert of outlet		1050 (3974)	1561 (5908)
Total tank volume (approximate)		1210 (4580)	1800 (6813)

* *Detailed drawings and additional technical documentation are available, including volume charts and installation instructions.*

** *Other baffle configurations are available.*

Model Code

T ☐☐☐☐-☐-☐-☐/☐-☐/☐-☐/☐

Tank

Tank size (gallons):
1000
1500

Number of compartments and baffle location (ribs 1 through 9):
01 = one compartment
21 = two compartments, rib #1
22 = two compartments, rib #2, etc.

Diameter of access riser openings (inlet side/outlet side):
Blank = no riser opening
12 = accepts 12" riser
18 = accepts 18" riser
19 = includes flange for PVU applications
22 = no flange; AX and PVU with NB option
C = custom; specify

Depth to inverts (inlet/outlet):
Blank = no inlet or outlet
11 = 11" (standard)
13 = 13" (standard)
C = custom; specify

Riser connections (inlet side/outlet side):
Blank = accepts 24" riser (no adapter needed)
12 = accepts 12" riser
18 = accepts 18" riser
30 = 30" adapter installed

20160022A

To Order

Call your nearest Orenco Systems®, Inc. Distributor. For nearest Distributor, call Orenco at 800-348-9843, or visit www.orenco.com and click on "Where to Buy."

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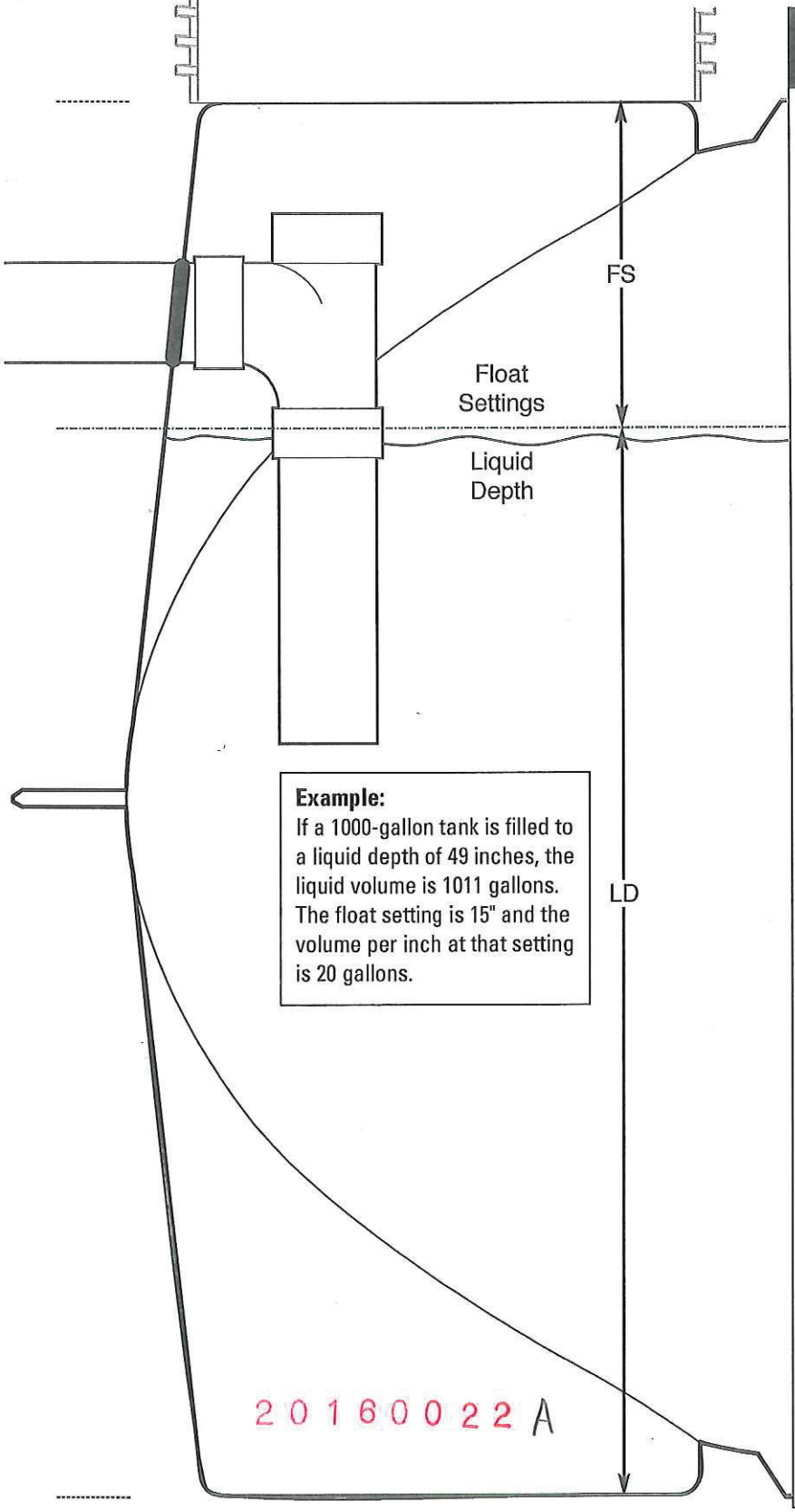
Liquid Depth Volume Chart

The chart below shows the relationship between tank volume, the float setting elevation, and the liquid depth. The float setting (FS) is measured from the top of the tank to the liquid surface; liquid depth (LD) is measured from the liquid surface to the floor of the tank.



Example:
If a 1000-gallon tank is filled to a liquid depth of 49 inches, the liquid volume is 1011 gallons. The float setting is 15" and the volume per inch at that setting is 20 gallons.

	1000-gallon tank		
Liquid depth LD (in.)	Float setting FS (in.)	Gallons per inch of depth	Gallons in tank
64	Top	26	1210
63	—	—	—
62	—	—	—
61	—	—	—
60	4	—	1184
59	5	11	1173
58	6	12	1161
57	7	13	1148
56	8	14	1134
55	9	15	1119
54	10	16	1103
53	11*	17	1086
52	12	17	1069
51	13**	19	1050
50	14	19	1031
49	15	20	1011
48	16	20	991
47	17	21	970
46	18	22	948
45	19	22	926
44	20	23	903
43	21	23	880
42	22	23	857
41	23	24	833
40	24	24	809
39	25	24	785
38	26	25	760
37	27	25	735
36	28	26	709
35	29	26	683
34	30	26	657
33	31	26	631
32	32	26	605
31	33	26	579
30	34	26	553
29	35	26	527
28	36	26	501
27	37	26	475
26	38	25	450
25	39	25	425
24	40	24	401
23	41	24	377
22	42	24	353
21	43	23	330
20	44	23	307
19	45	23	284
18	46	22	262
17	47	21	240
16	48	20	219
15	49	20	199
14	50	19	179
13	51	19	160
12	52	17	141
11	53	17	124
10	54	16	107
9	55	15	91
8	56	14	76
7	57	13	62
6	58	12	49
5	59	11	37
4	60	—	26
3	—	—	—
—	—	—	—
—	—	—	—
Floor	64	—	0

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