



Certificate of Accreditation

Sewage Management Facility

Septic Tanks & Collection Wells

This Certificate of Accreditation is issued by the Secretary of the NSW Ministry of Health pursuant to Clause 41(1) of the Local Government (General) Regulation 2005.

Manufacturer: Orenco Systems, Inc

Of: 814 Airway Ave, Sutherlin, Oregon, USA, 97479

The Orenco 4000L and 6400L Septic Tanks and Collection Wells as described in the following Schedule have been accredited as sewage management facilities for use in single domestic premises in NSW.

*Director, Environmental Health
for Secretary (delegation PH335)*

Issued: 5 November 2019

Certificate No: STCW010

Expires: 31 December 2024



Accreditation Schedule

*The Certificate of Accreditation applies to the following
Septic Tanks and Collection Wells*

Model	Description & Additional Product Information	Size
Septic Tank/ Collection Well	Horizontal axis type cylindrical Glass Fibre Reinforced Plastic construction. Minimum burial depth - 1 metre	4000 L (Model T1000)
	Certification applies only to the construction of the tank, access cover and partition. It does not include the internal components or fittings.	6400 L (Model T1500)

Orenco 1000- & 1500-gal. FRP Tanks

Applications

Orenco's watertight 1000- and 1500-gallon (3785- and 5678-liter) injection-molded fiberglass tanks* are optimized for multiple uses, including septic tanks and dosing tanks in onsite wastewater collection and treatment systems (residential and commercial), as well as community-wide effluent sewer systems. They collect and digest organic matter, providing primary wastewater treatment by reducing BOD and TSS by 65% and 70% or better, respectively**.

These tanks are not tested for use with potable water.

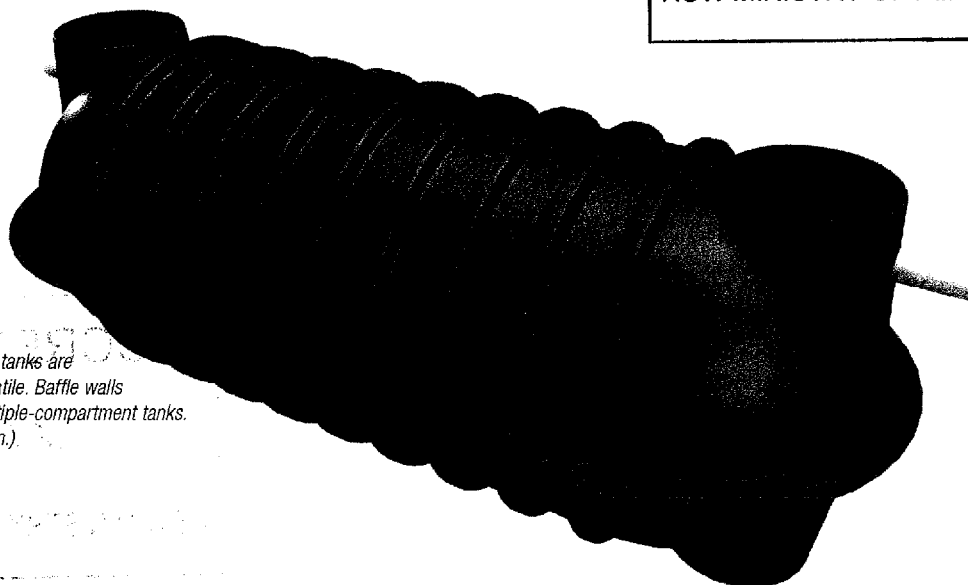
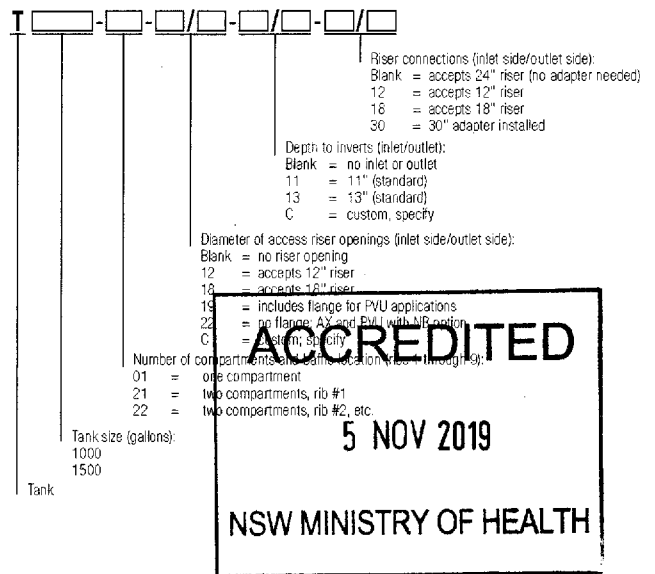
Features

- 100% watertight design; each tank is tested for watertightness before shipping
- Fiberglass reinforced polyester (FRP) is used for structural durability and chemical resistance
- Injection-molded for unmatched consistency and quality
- Designed for a maximum 4-ft (1.2-m) burial depth, empty
- Can be transported by a light pickup or small trailer
- Light enough to lift and install with a backhoe
- Ideal for small and tight lots
- Baffle wall can be installed in any of the rib locations; creates a two-compartment tank of various volumes

Features, continued

- Directly accepts standard Orenco 24-in. (600-mm) diameter PVC risers; adapter available for 30-in. (760-mm) diameter
- Installation and orientation of the tank inlet and outlet easily accomplished with watertight EPDM grommets
- Custom configurations are available – contact your distributor or Orenco for more information.

Product Code Diagram

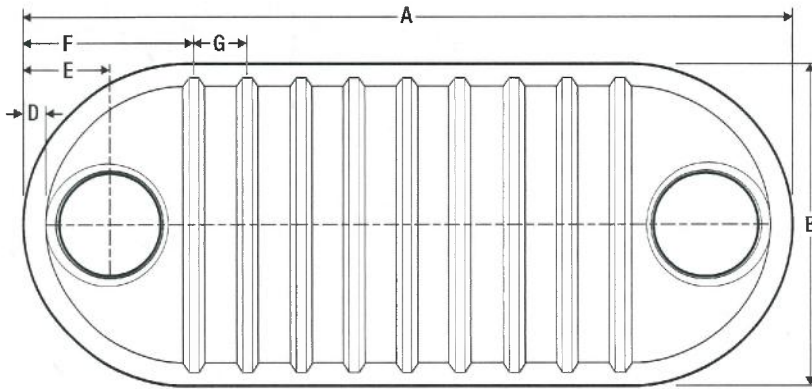


Orenco's watertight fiberglass tanks are lightweight, durable, and versatile. Baffle walls can be installed to create multiple-compartment tanks. (1500-gal./5678-L tank shown.)

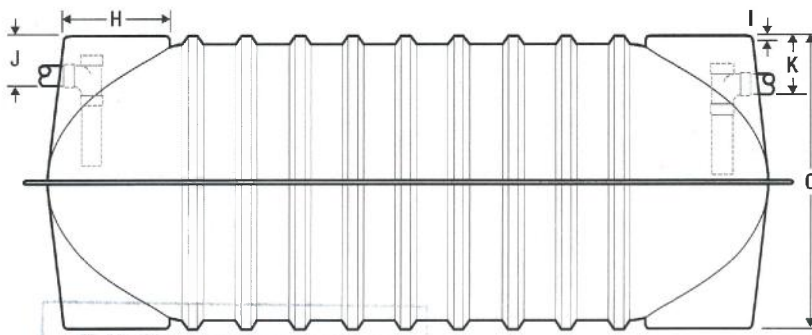
*Covered by U.S. Patents #D461,870 and #D445,476

**Gabriel Bitton, *Wastewater Microbiology*, 3rd Ed. (Hoboken, New Jersey: John Wiley & Sons, 2005), 361.

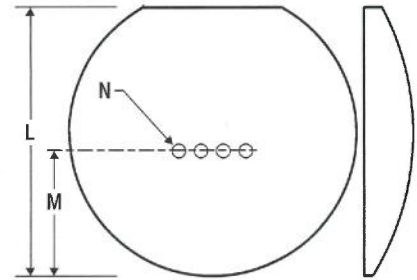
Note: Listed by IAPMO/UPC. These tanks are not designed for use in a location that receives vehicle traffic. Placement in a traffic area requires an engineered traffic-bearing pad.



Top view, 1500-gal. (5678-L) tank shown



Side view, 1500-gal. (5678-L) tank shown



Front and side views, optional tank baffle wall

Specifications

Dimensions, in. (mm)	1000 gal. (3785 L)	1500 gal. (5678 L)
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. Riser adapter depth	1.5 (38)	1.5 (38)
J. Inlet invert (typical)	11.0 (280)	11.0 (280)
K. Outlet invert (typical – if used)	13.0 (330)	13.0 (330)
L. Height to top of baffle	60.0 (1520)	60.0 (1520)
M. Height to pass-through holes (typ.)*	30.0 (760)	30.0 (760)
N. Pass-through hole diameter	3.0 (76)	3.0 (76)

*Other baffle configurations are available.

Weight, lbs (kg)	1000 gal. (3785 L)	1500 gal. (5678 L)
1-compartment (assembled)	390 (177)	590 (268)
2-compartment (assembled)	420 (191)	620 (281)
Volume, gal. (L)		
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)
For tank depth/volume information, see NCH-TNK-1,		

