

AdvanTex® AX-RT Treatment Systems

Applications

Orenco's AdvanTex AX-RT Treatment System is a single, complete, self-contained module that treats septic tank effluent to better-than-secondary standards, along with nitrogen reduction, before discharging it by means of pump or gravity. It is ideal for new home construction and also well suited for the following circumstances:

- Repairs and retrofits
- Sites that require shallow burial
- Small sites and poor soils

For sites requiring anti buoyancy measures, Orenco offers anti buoyancy beam kits.



Orenco AX20-RT (product image for illustrative purposes only)

Features/Specifications

To specify this product, require the following:

- Non-skid lid surface
- Easily removable and serviceable fixed-film textile media (a polyester plastic), operated in an unsaturated condition
- Consistent media quality
- Completely serviceable manifold
- Watertight construction and corrosion-proof materials
- Foam-core lid with insulation value of R-6 (RSI-1.1)

For more information on AX-RT treatment systems, see the following Orenco technical documents:

- [AdvanTex Air Vents Technical Data Sheet, NTD-ATX-VENT-1](#)
- [ClickTight Products Technical Data Sheet, NTD-GOP-SBX-3](#)
- [External Splice Box Technical Data Sheet, NTD-SBEX-1](#)
- [Float Switch Assemblies Technical Data Sheet, NTD-GOP-FSA-1](#)
- [HV-Series Pump Discharge Assemblies Technical Data Sheet, NTD-GOP-HVA-1](#)
- [PF-Series 60Hz, 1-Phase Effluent Pumps Technical Data Sheet, NTD-GOP-PMP-1](#)
- [PF-Series Submersible Effluent Pumps: 50Hz, 100mm \(4in\) Technical Data Sheet, NTD-PU-PF-4](#) (for international markets)
- [VeriComm AX20A Control Panels Technical Data Sheet, NTD-CP-VCOM-2*](#)
- [VeriComm AX20B Control Panels Technical Data Sheet, NTD-CP-VCOM-3*](#)

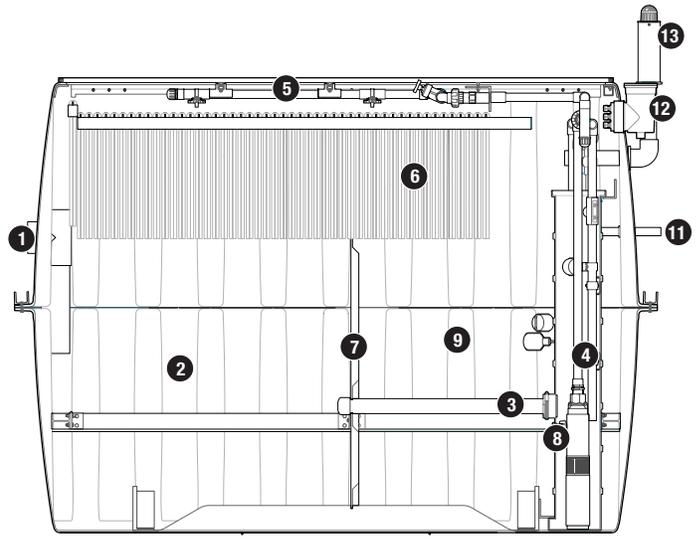
* Control panels ordered separately; also available in a Most Versatile Panel (MVP) version.



AdvanTex® Treatment Systems are listed to NSF-ANSI Standards 40 and 245 for Class I Systems. Visit www.nsf.org to view our Certified Products.

Components

1. Inlet
2. Recirc/blend chamber
3. Recirc transfer line
4. Recirc pumping system
5. Manifold and spin nozzles
6. Treatment media
7. Tank baffle
8. Recirc return valve
9. Recirc/filtrate chamber
10. Discharge pumping system
11. Outlet
12. Connection system (external splice box shown)
13. Passive air vent
14. Control panel (not shown)

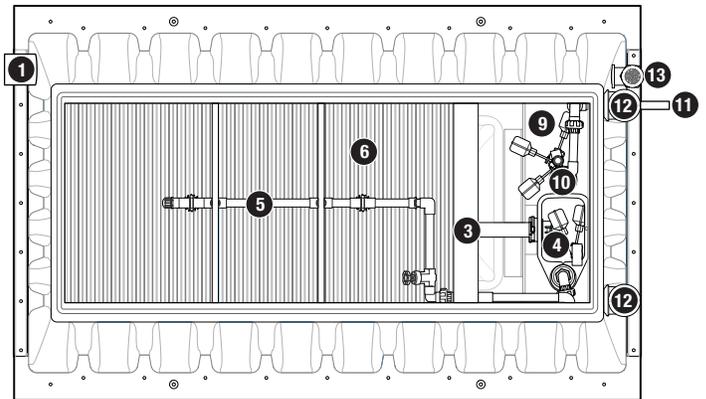


AdvanTex AX-RT side cutaway view
(AX20-RT pump discharge model shown)

Specifications

Nominal Dimensions*		
Length, in (mm)	102 (2591)	
Width, in (mm)	62 (1575)	
Height, in (mm)	72 (1829)	
Overall unit footprint, ft ² (m ²)	44 (4.09)	
Visible footprint after installation, ft ² (m ²)	20 (1.86)	
Lid insulation value	R-6 (RSI-1.1)	
Dry Weight, lb (kg)	AX20-RT	AX25-RT
Gravity discharge model	883 (401)	908 (412)
Pump discharge model	923 (419)	948 (430)

*See AdvanTex Treatment System drawings for exact dimensions.



AdvanTex AX-RT top view
(AX20-RT pump discharge model shown)

Antibuoyancy Beams

Antibuoyancy beams help prevent the unit from floating out of the ground under saturated soil conditions.

Standard Model

AX-RT-AF BEAM KIT

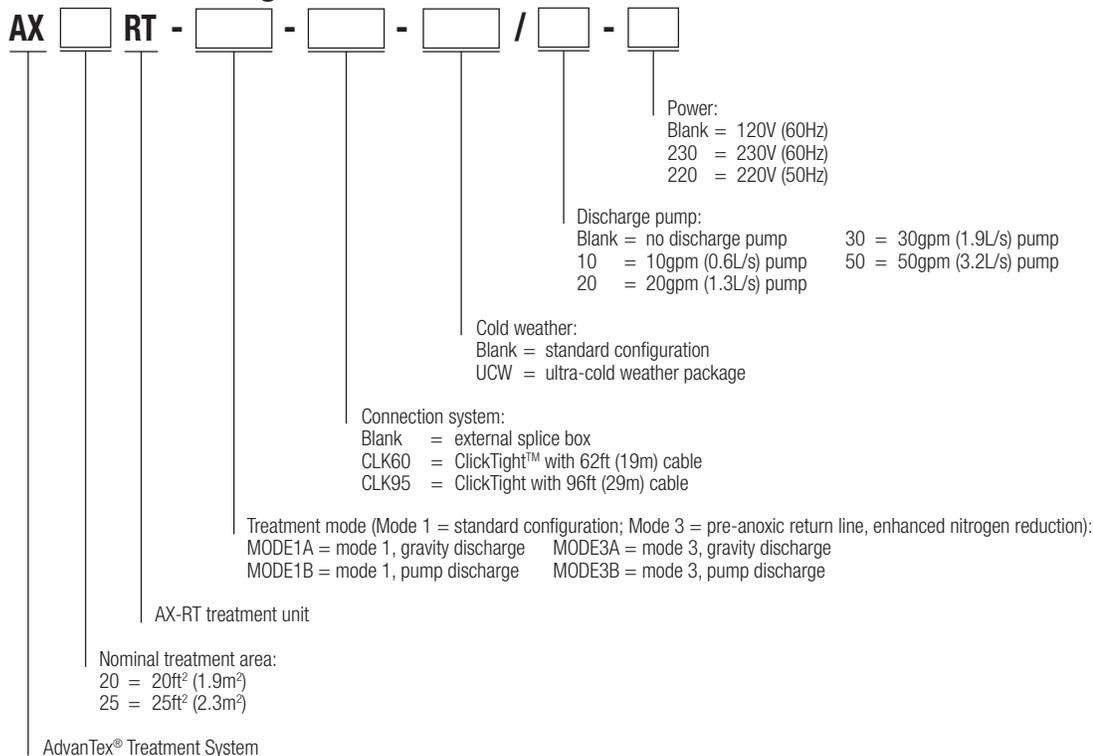
Materials of Construction

Beams	Fiber-reinforced polymer (FRP)
Hardware	Fiberglass, stainless steel, and galvanized steel

Specifications

Dimensions, in (mm)	
Beam length	79.875 (2029)
Width	8 (203)
Height	2.5 (64)

Product Code Diagram



Not all product code configurations may be available as standard products.