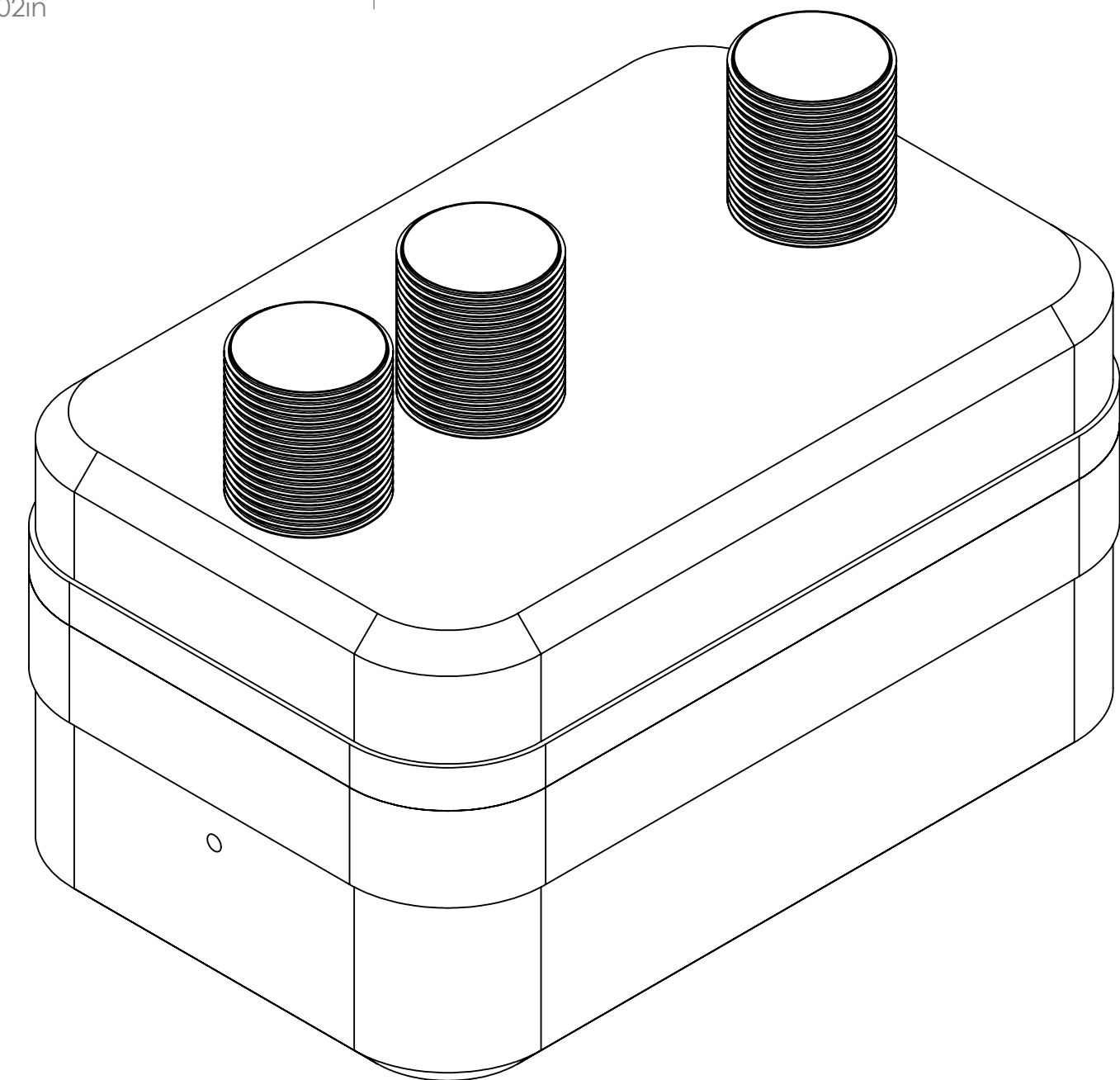
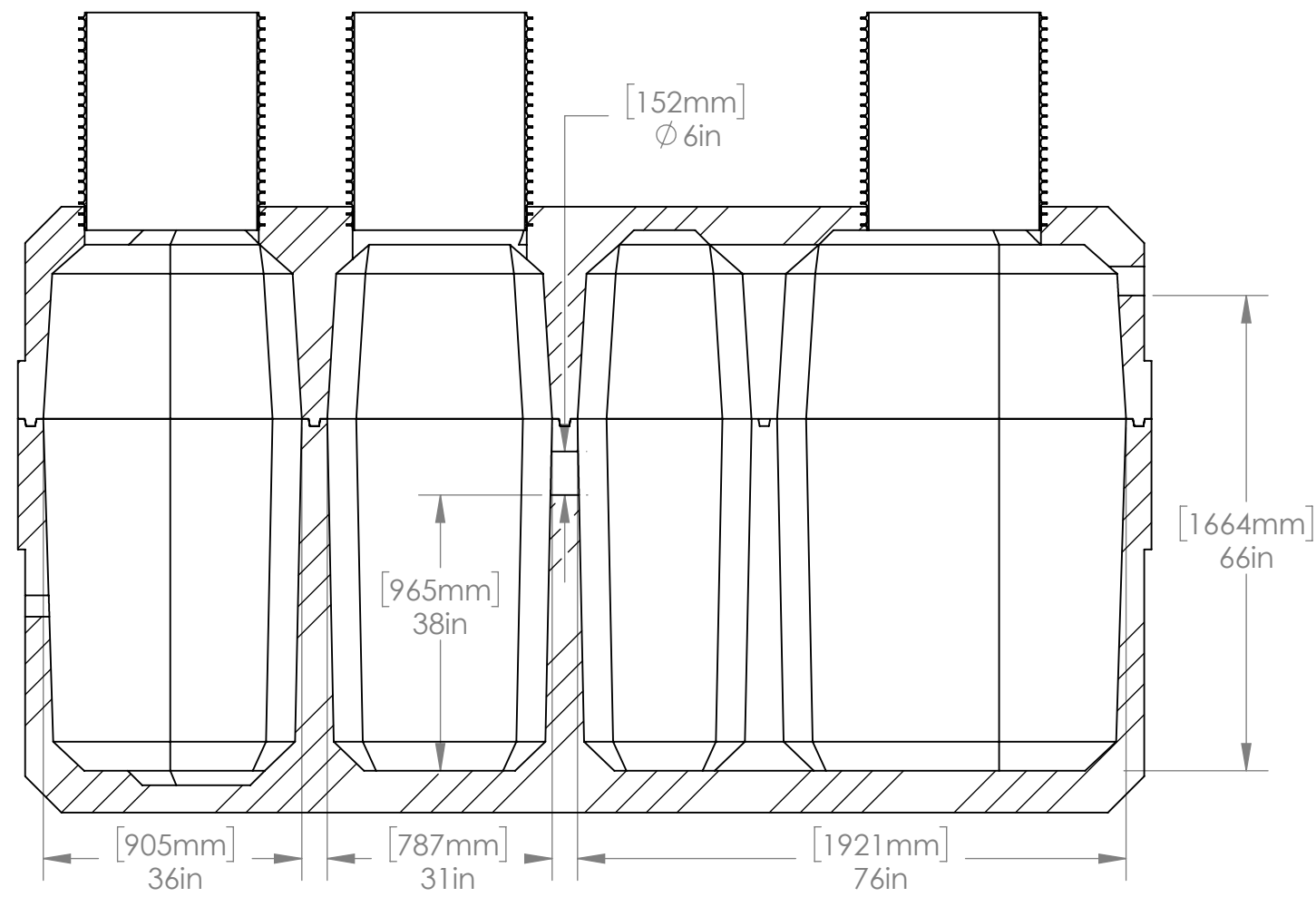
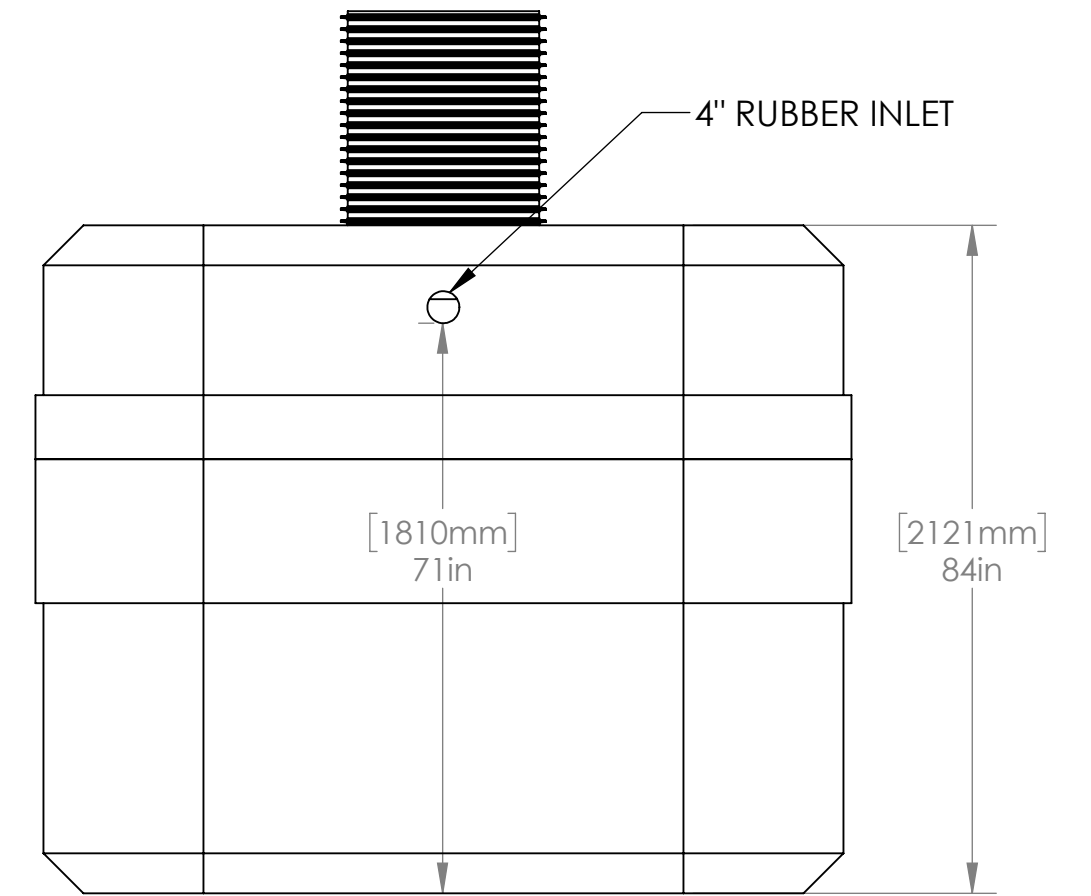
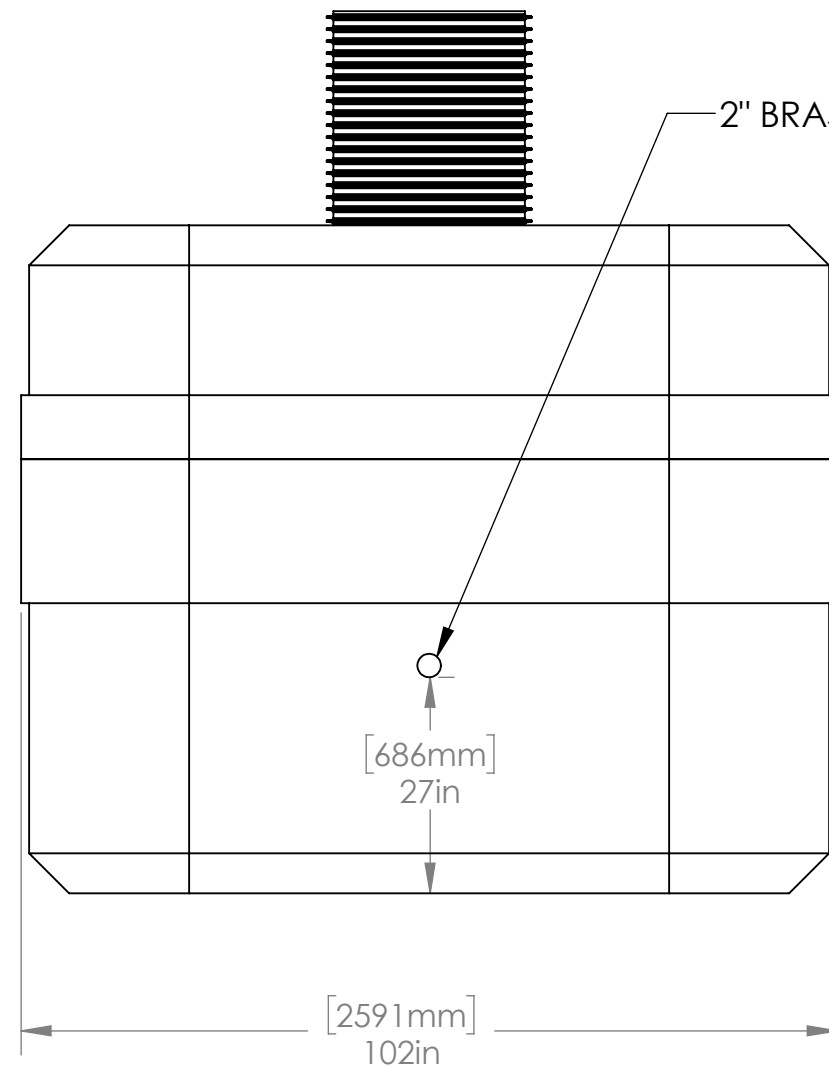
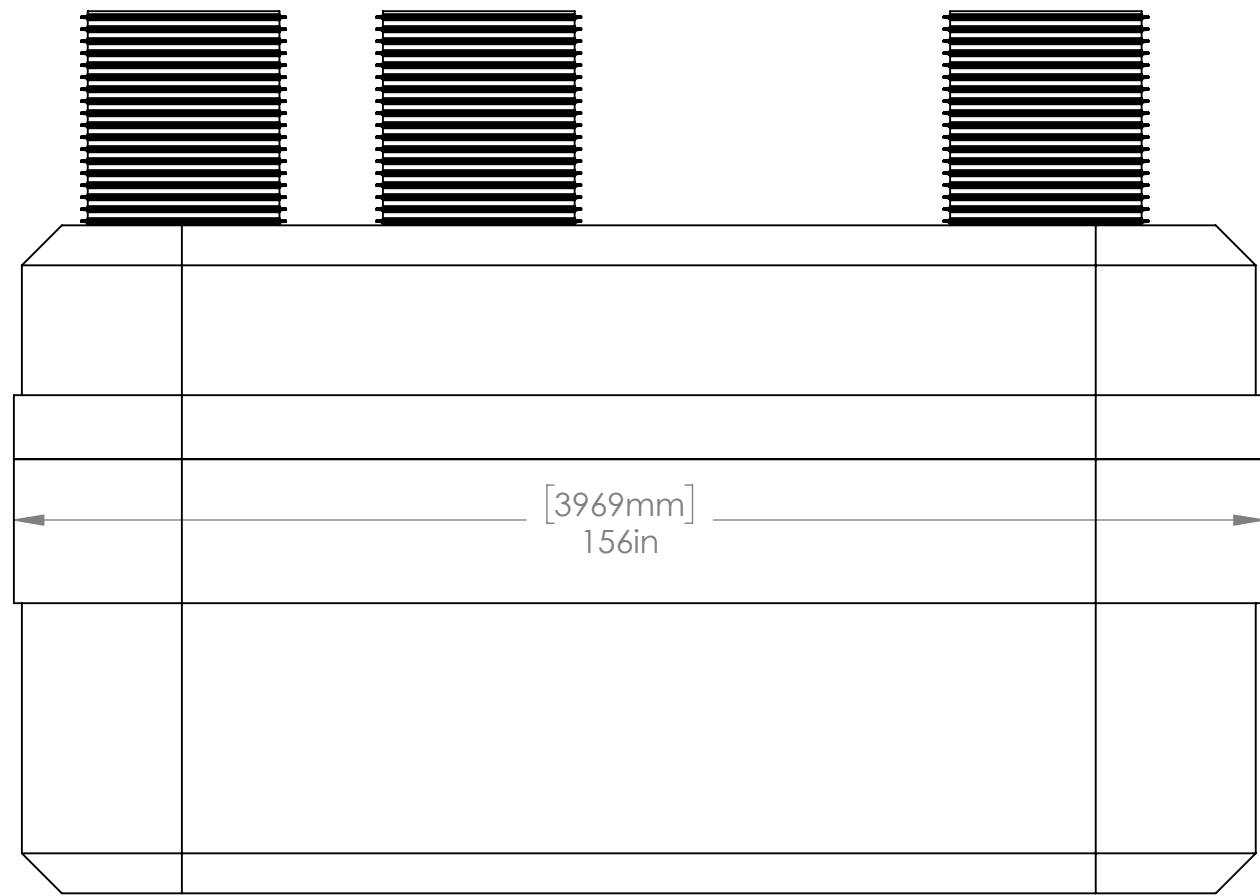


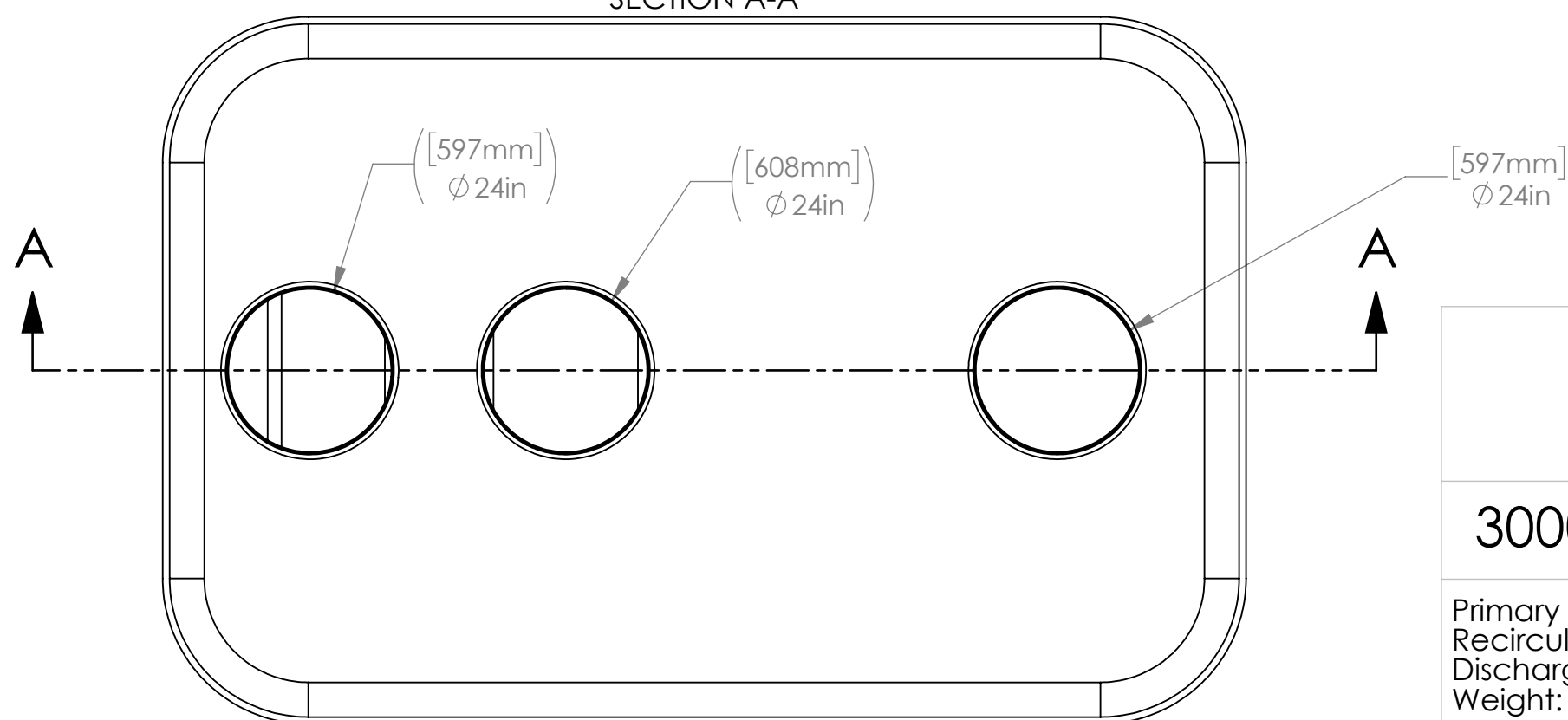
Advanced Wastewater Treatment Systems



● Advantex AX20 Unit pictured with AWS 3-Compartment Rinktop Tank



SECTION A-A



Edmonton
16910 129 Ave
PH: 780-447-2222
Fax: 780-447-1984

Penhold
930 Fleming Ave
PH: 403-886-4852
Fax: 403-886-4853

Calgary
4315 58 Ave SE
PH: 403-230-1666
Fax: 403-276-4176

3000 Gallon 3 Compartment Advantex - 5 Bedroom

Primary Chamber Capacity: 1380 Imperial Gallons (6273 Litres)
Recirculation Chamber: 600 Imperial Gallons (2727 Litres)
Discharge Chamber: 670 Imperial Gallons (3045 Litres)
Weight: 26100 LBS / 11838 KG

Material: Concrete Type HS
Reinforcing: 15mm Rebar & 4x4 (10 Gauge) Wire Mesh
CSA Approved: 5 Meters
Model: 3000 Gallon Advantex
Item ID: 11025GH

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ALBERTA WILBERT SALES LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ALBERTA WILBERT SALES LTD IS PROHIBITED.

SCALE: 1:24

Certificate of Compliance

Certificate: 1310601

Master Contract: 150055

Project: 70208512

Date Issued: 2019-03-01

Issued to: Alberta Wilbert Sales Ltd.
16910 129 Ave NW
Edmonton, Alberta T5V 1L1
CANADA
Attention: Kevin Huynh

The products listed below are eligible to bear the CSA Mark shown



Issued by: *Justin Billey*
Justin Billey

PRODUCTS

CLASS - C692101 - PLUMBING FIXTURES-Septic and Sewage Holding Tanks for Plumbing Systems

Prefabricated Concrete Septic Tanks and Sewage Holding Tanks:

- Septic Tank, Siphon (S) Type Models:
 - 1P700-Waffle, 2P700-Waffle, 1P1000-Waffle, 1P1200, 1P1500, and 1P1800
- Septic Tank, Pump-out (P) Type Models:
 - 1P700-Waffle, 2P700-Waffle, 1P1000-Waffle, 1P1200, 1P1500, 1P1800, 1P2000 C/D, 1P2000 A/B, 2P3000-7, 2P3000-9, 2400 T, 4100 T, 3600, and 5625
- Sewage Holding (H) Tank Models:
 - 350, 1P500, 3P600, 1P700H, 1P1000H, 4P1000, 1P1200H, 1P1500H, 1P1600, 1P2000H, 2P5600H, 8-1500, 8-1800, 8-2000, 8-2300, 8-2600, 8-2900, 10-2000, 10-2400, 10-3300, 10-3700, 10-4100, 11-5000, 11-7500, and 11-10000

APPLICABLE REQUIREMENTS

CSA Standard B66-16 - Design, Material, and Manufacturing Requirements for Prefabricated Septic Tanks and Sewage Holding Tanks.

MARKINGS

See Report



Supplement to Certificate of Compliance

Certificate: 1310601

Master Contract: 150055

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70208512	2019-03-01	Update report #1310601 to test and certify new holding tanks 1P700H and 1P1000H.
70101728	2017-08-11	Update report #1310601 - Class 6921-01 - Conduct testing for new septic tank and holding tank models in accordance with B66-10 requirements.
70029519	2015-05-19	Conduct field testing of model 1P-300 for deeper burial depth in compliance with B66-10 (Class 6921-01), and update report. Quoted price includes estimated 1 day onsite to conduct testing and estimated travel costs. Time and travel costs above estimated will be extra.
2733284	2014-12-22	Update to 1310601 to add septic tank model 2P3000.
2628533	2014-03-19	Revise Report #1310601 to comply with CSA Standard B66-10 and Plumbing Products Notice #215. Added septic tank model 1P1800 and holding tank model 4P1000.
2506146	2012-07-06	Update to 1310601 to add holding tank model 3P600
2295651	2011-10-27	Update to 1310601 to add septic tank models 1P2000, 1P2000 A/BCD, 3600, and 5625, and add holding tank model 350; conduct testing to increase burial depth of septic tank models 1P1200, 1P1500, 2400T, and 4100T to 4.0 m; and update mix design and materials.
2275128	2010-03-12	Field testing of new model, including update to report. Quoted price includes estimated half day on site and estimated travel costs. Addition time and travel costs above estimate will be billed extra.
1867737	2006-12-27	Update reports to new standard B66-05.
1706035	2005-10-27	Certification of precast concrete septic and holding tanks, Models 2400 T, 4100 T, 7500 H, 10000 H.

AdvanTex® AX20 Textile Filter

Applications

Orenco's AdvanTex® AX20 Treatment System* is an innovative technology for onsite treatment of residential wastewater. The heart of the System is the AdvanTex Filter, a sturdy, watertight fiberglass basin filled with an engineered textile material. This lightweight, highly absorbent textile material treats a tremendous amount of wastewater in a small space. AX20 Treatment Systems are ideal for:

- Small sites
- System upgrades and repairs
- New construction
- Poor soils
- Nitrogen reduction
- Price-sensitive markets
- Pretreatment

For sizing, see "AdvanTex® Design Criteria," NDA-ATX-2.



The heart of the AdvanTex® AX20 Treatment System is this sturdy, watertight fiberglass basin filled with an engineered textile material.

Physical Specifications**

Filter basin length, in. (mm)	91 (2311)
Width, in. (mm)	40 (1016)
Height, in. (mm)	31 (787)
Area (footprint), ft² (m²)	20 (1.85)
Filter dry weight, lb (kg)	383 (174)

* Covered by U.S. patent numbers 5,980,748; 5,531,894; 5,480,561; 5,360,556; 5,492,635; and 4,439,323. Additional patents pending.

** Nominal values provided. See AdvanTex® Treatment System drawings for exact dimensions.

Features/Specifications

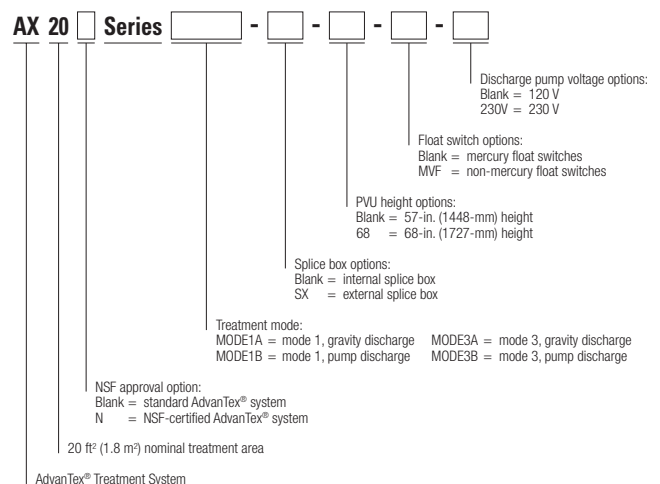
To specify this product, require the following:

- Wastewater treatment to better than secondary treatment standards
- Consistent treatment, even during peak flows
- Timer operation for flow monitoring, flow modulation, and surge control
- Fixed film textile media (a polyester plastic), operated in an unsaturated condition
- Consistent media quality
- Low maintenance beyond annual servicing
- Low energy consumption (under \$1.45-4.86/month power cost at national average electric rate of \$0.10/kWh)
- Complete pre-manufactured package, ready-to-install
- Watertight construction, corrosion-proof materials, tamper-proof lid bolts
- Anti-flotation flanges
- Foam-core lid provides insulation value of R-6 (RSI-1.1)
- Quiet operation

Standard Models

AX20, AX20N

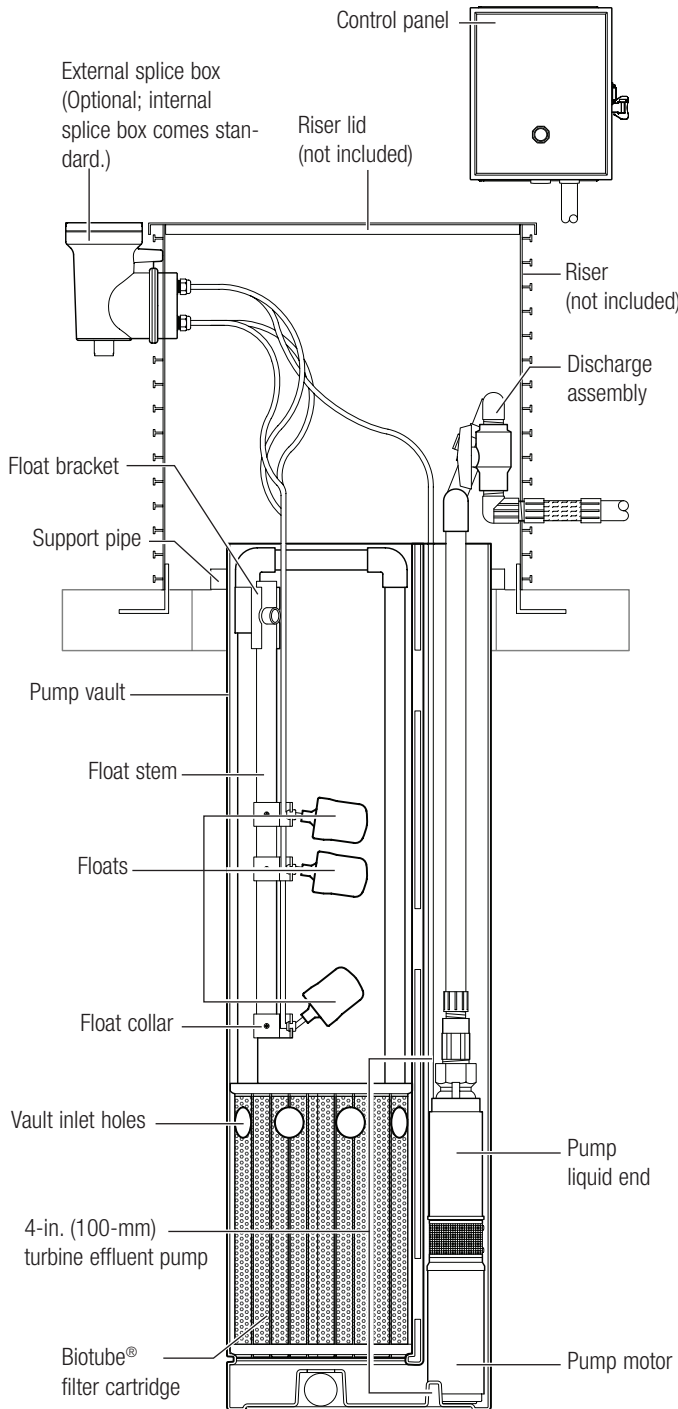
Product Code Diagram



AdvanTex® Treatment System AXN Models meet the requirements of NSF-ANSI Standard 40 for Class I Systems.

Biotube® ProPak™ Pump Package

60-Hz Series Pump Packages



Biotube® ProPak™ pump package components.

Applications

The Biotube ProPak is designed to filter and pump effluent to either gravity or pressurized discharge points. It is intended for use in a septic tank (one- or two-compartment) and can also be used in a pump tank.

The Biotube ProPak is designed to allow the effluent filter to be removed for cleaning without the need to remove the pump vault or pump, simplifying servicing.

Complete packages are available for on-demand or timed dosing systems with flow rates of 10, 20, 30, and 50-gpm* (0.6, 1.3, 1.9, and 3.2 L/sec), as well as with 50 Hz and 60 Hz power supplies.

General

Orenco's Biotube® ProPak™ is a complete, integrated pump package for filtering and pumping effluent from septic tanks. And its patented pump vault technology eliminates the need for separate dosing tanks.

This document provides detailed information on the ProPak pump vault and filter, 4-in. (100-mm) 60-Hz turbine effluent pump, and control panel. For more information on other ProPak components, see the following Orenco technical documents:

- Float Switch Assemblies (NTD-MF-MF-1)
- Discharge Assemblies (NTD-HV-HV-1)
- Splice Boxes (NTD-SB-SB-1)
- External Splice Box (NTD-SB-SB-1)

Standard Models

BPP10DD, BPP20DD, BPP20DD-SX, BPP30TDA, BPP30TDD-SX, BBPP50TDA, BPP50TDD-SX

Product Code Diagram

BPP -

Standard options:

- Blank = 57-in. (1448-mm) vault height, internal splice box, standard discharge assembly
- 68 = 68-in. (1727-mm) vault height
- SX = external splice box
- CW = cold weather discharge assembly
- DB = drainback discharge assembly

Panel Application:

- DD = demand dosing
- TDA = timed dosing, analog timer
- TDD = timed dosing, digital timer, elapsed time meter & counters

Pump flow rate (nominal):

- 10 = 10 gpm (0.6 L/sec)
- 20 = 20 gpm (1.3 L/sec)
- 30 = 30 gpm (1.9 L/sec)
- 50 = 50 gpm (3.2 L/sec)

Biotube® ProPak™ pump vault

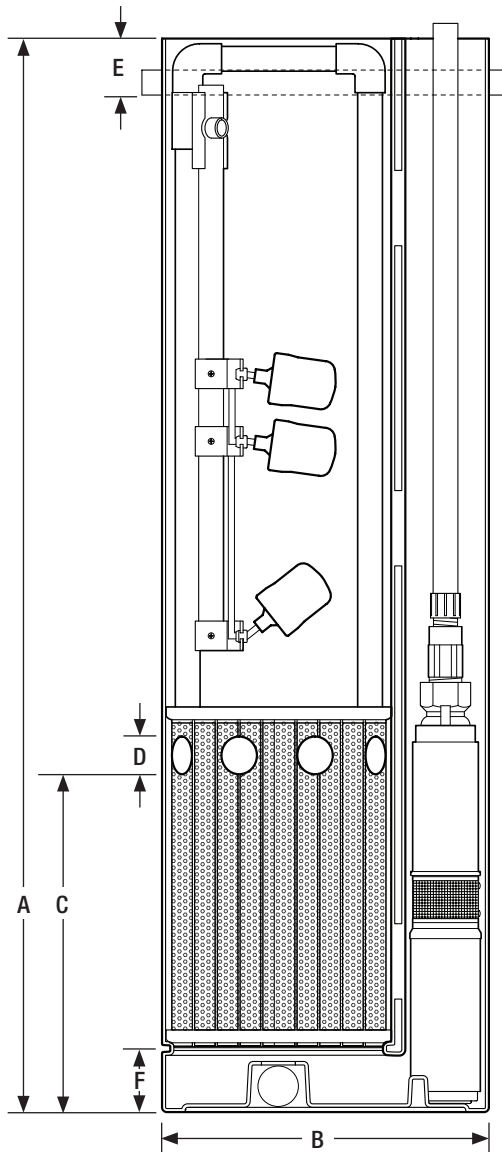
ProPak™ Pump Vault

Materials of Construction

Vault body	Polyethylene
Support pipes	PVC

Dimensions, in. (mm)

A - Overall vault height	57 (1448) or 68 (1727)
B - Vault diameter	17.3 (439)
C - Inlet hole height	19 (475)
D - Inlet hole diameter (eight holes total)	2 (50)
E - Vault top to support pipe bracket base	3 (76)
F - Vault bottom to filter cartridge base	4 (102)



ProPak™ pump vault (shown with Biotube filter and effluent pump)

Biotube® Filter Cartridge

Materials of Construction

Filter tubes	Polyethylene
Cartridge end plates	Polyurethane
Handle assembly	PVC

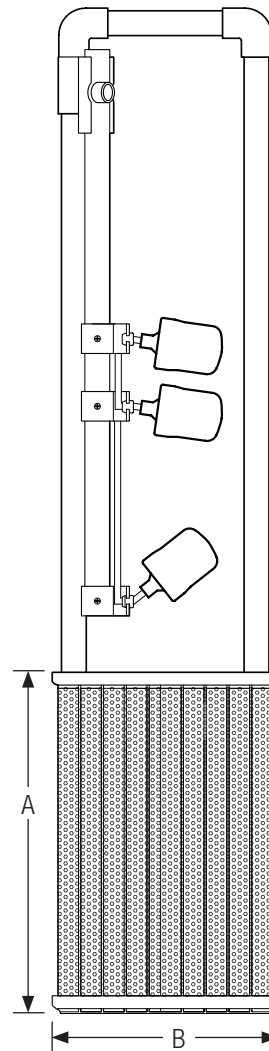
Dimensions, in. (mm)

A - Cartridge height	18 (457)
B - Cartridge width	12 (305)

Performance

Biotube® mesh opening	0.125 in. (3 mm)*
Total filter flow area	4.4 ft² (0.4 m²)
Total filter surface area	14.5 ft² (1.35 m²)
Maximum flow rate	140 gpm (8.8 L/sec)

*0.062-in. (1.6-mm) filter mesh available



Biotube® filter cartridge (shown with float switch assembly)

4-in. (100-mm) Turbine Effluent Pumps*

Orenco's 4-in. (100 mm) Turbine Effluent Pumps are constructed of lightweight, corrosion-resistant stainless steel and engineered plastics; all are field-serviceable and repairable with common tools. All 60-Hz PF Series models are CSA certified to the U.S. and Canadian safety standards for effluent pumps, and meet UL requirements.

Power cords for Orenco's 4-in. (100-mm) turbine effluent pumps are Type SOOW 600-V motor cable (suitable for Class 1, Division 1 and 2 applications).

Materials of Construction

Discharge:	Stainless steel or glass-filled polypropylene
Discharge bearing:	Engineered thermoplastic (PEEK)
Diffusers:	Glass-filled PPO
Impellers:	Acetal (20-, 30-gpm), Noryl (50-gpm)
Intake screens:	Polypropylene
Suction connection:	Stainless steel
Drive shaft:	300 series stainless steel
Coupling:	Sintered 300 series stainless steel
Shell:	300 series stainless steel
Lubricant:	Deionized water and propylene glycol

Specifications

Nom. flow, gpm (L/sec)	Length in. (mm)	Weight lb (kg)	Discharge in., nominal ¹	Impellers
10 (0.6)	23.0 (660)	26 (11)	1.25	6
20 (1.3)	22.5 (572)	26 (11)	1.25	4
30 (1.9)	21.3 (541)	25 (11)	1.25	3
50 (3.2)	20.3 (516)	27 (12)	2.00	2

Performance

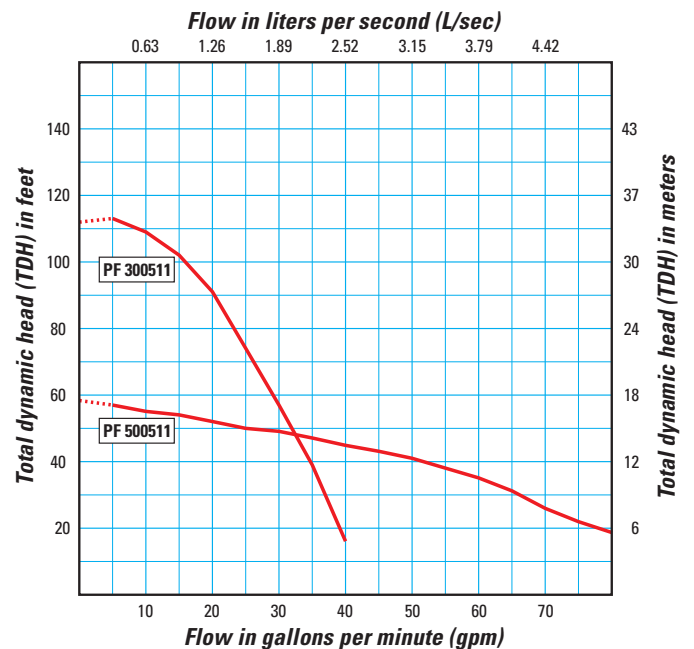
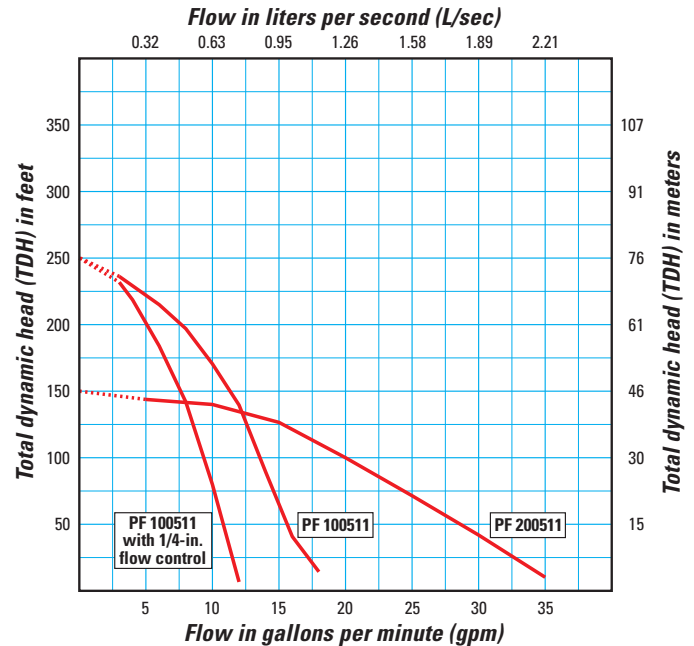
Nom. flow, gpm (L/sec)	hp (kW)	Design flow amps	Rated cycles/day	Min liquid level, in. (mm) ²
10 (0.6)	0.5 (0.37)	12.7	300	16 (406)
20 (1.3)	0.5 (0.37)	12.3	300	18 (457)
30 (1.9)	0.5 (0.37)	11.8	300	20 (508)
50 (3.2)	0.5 (0.37)	12.1	300	24 (610)

¹ Discharge is female NPT threaded, U.S. nominal size, to accommodate Orenco® discharge hose and valve assemblies. Consult your Orenco Distributor about fittings to connect discharge assemblies to metric-sized piping.

² Minimum liquid level is for single pumps when installed in an Orenco Biotube® ProPak™ Pump Vault.

Pump Curves

Pump curves, such as those shown here, can help you determine the best pump for your system. Pump curves show the relationship between flow (gpm or L/sec) and pressure (TDH), providing a graphical representation of a pump's performance range. Pumps perform best at their nominal flow rate, measured in gpm or L/sec.



Control Panel (Demand Dose)

Orenco's ProPak™ demand dose control panels are specifically engineered for the ProPak pump package and are ideal for applications such as demand dosing from a septic tank into a conventional gravity drainfield.

Materials of Construction

Enclosure	UV-resistant fiberglass, UL Type 4X
Hinges	Stainless steel

Dimensions, in. (mm)

A - Height	11.5 (290)
B - Width	9.5 (240)
C - Depth	5.4 (135)

Specifications

Panel ratings	120 V, 3/4 hp (0.56 kW), 14 A, single phase, 60 Hz
1. Motor-start contactor	16 FLA, 1 hp (0.75 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA)
2. Circuit breakers	120 V, 10 A, OFF/ON switch, Single pole
3. Toggle switch	Single-pole, double-throw HOA switch, 20 A
4. Audio alarm	95 dB at 24 in. (600 mm), warble-tone sound, UL Type 4X
5. Audio alarm silence relay	120 V, automatic reset, DIN rail mount
6. Visual alarm	7/8-in. (22-mm) diameter red lens, "Push-to-silence," 120 V LED, UL Type 4X

Control Panel (Timed Dose)

Orenco's ProPak timed dose control panels are specifically engineered for the ProPak pump package and are ideal for applications such as timed dosing from a septic tank into a pressurized drainfield or mound. Analog or digital timers are available.

Materials of Construction

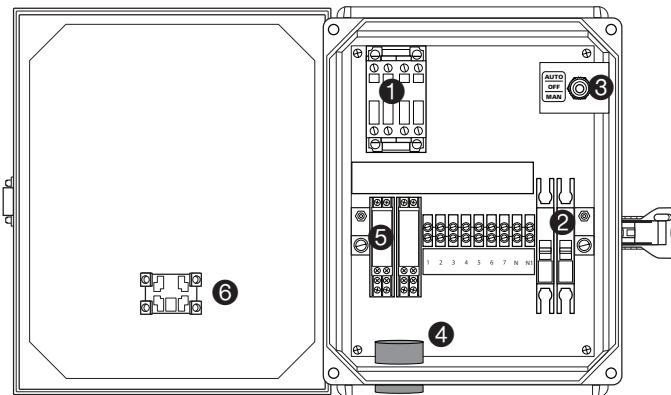
Enclosure	UV-resistant fiberglass, UL Type 4X
Hinges	Stainless steel

Dimensions, in. (mm)

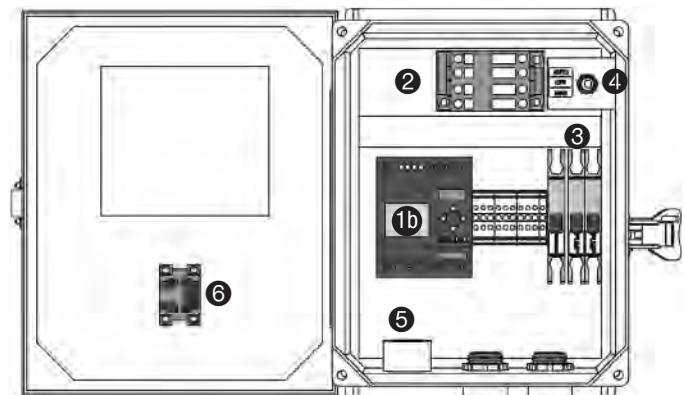
A - Height	11.5 (290)
B - Width	9.5 (240)
C - Depth	5.4 (135)

Specifications

Panel ratings	120 V, 3/4 hp (0.56 kW), 14 A, single phase, 60 Hz
Dual-mode	Programmable for timed- or demand-dosing (digital timed-dosing panels only)
1a. Analog timer	120 V, repeat cycle from 0.05 seconds to 30 hours. Separate variable controls for OFF and ON time periods
1b. Digital timer	120-V programmable logic unit with built-in LCD screen and programming keys. Provides control functions and timing for panel operation
2. Motor-start contactor	16 FLA, 1 hp (0.75 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA)
3. Circuit breakers	120 V, 10 A, OFF/ON switch. Single pole 120 V
4. Toggle Switch	Single-pole, double-throw HOA switch, 20 A
5. Audio alarm	95 dB at 24 in. (600 mm), warble-tone sound, UL Type 4X
6. Visual alarm	7/8-in. (22-mm) diameter red lens, "Push-to-silence", 120 V LED, UL Type 4X



Control panel, demand-dose



Control panel, timed-dose (digital timer model shown)

AdvanTex[®] Treatment Systems

AX20

Manufactured by **Orenco Systems[®], Inc.**



AdvanTex[®] is one of the most sustainable wastewater treatment systems available for household use. The filter unit is flush to the ground and blends into landscaping.

Reliable, Sustainable Treatment For Residential Wastewater

Orenco Systems[®], Inc.

814 Airway Avenue, Sutherlin, Oregon, USA 97479
Toll-Free: 800-348-9843 • +1-541-459-4449 • www.orenco.com

Applications:

- Single-family homes
- Small commercial properties
- New construction, repairs
- Tight lots, other site constraints
- Poor soils, shallow bury
- Stringent permit requirements
- Nitrogen reduction, disinfection
- Surface discharge

A Sustainable Technology

In the patented* AdvanTex Treatment System, household sewage flows into the processing tank, where it separates into scum, sludge, and liquid effluent. Filtered effluent is dosed to the AdvanTex filter pod, where it trickles through sheets of a synthetic textile. There, naturally occurring microorganisms remove impurities from the effluent. After recirculating between the tank and the AdvanTex filter, the effluent is discharged to the soil via irrigation or a drainfield.

The system's pump runs only a few minutes an hour, using just a few cents worth of electricity a day. Because solids decompose in the tank, the tank requires pumping only every 8–12 years, under normal use. Using little energy, generating a minimum of sludge, and purifying wastewater for beneficial reuse, AdvanTex Systems are one of the most environmentally sustainable technologies for home wastewater treatment.

More than 26,000 of Orenco's textile filters have been installed at homes, businesses, and community treatment systems throughout the United States, Canada, Europe, and Australasia. Third-party testing shows that AdvanTex Treatment Systems do a better job of treating wastewater than most municipal sewers. And field testing shows that AdvanTex Treatment Systems work under real-world conditions.

“The effluent from the filter units typically was clear with no odor . . . the increased loading rate allows for a decrease in the footprint required by filter units (compared to sand and gravel filters) . . . in an onsite treatment scenario, textile filter effluent could be utilized for landscape irrigation . . .”

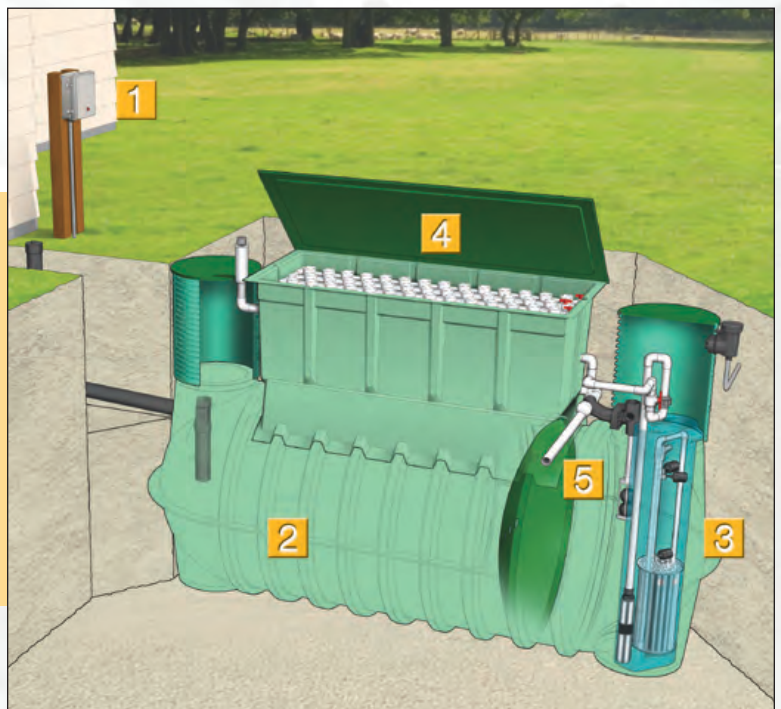
Leverenz, Darby, and Tchobanoglous,
“Evaluation of Textile Filters for the
Treatment of Septic Tank Effluent,”
University of California at Davis,
October 2000.

Typical backyard configuration of an
AdvanTex® Treatment System.

The system has five main functional parts:

- 1 VeriComm® Web-based monitoring system†
 - 2 Processing tank
 - 3 Biotube® pumping package
 - 4 AdvanTex filter
 - 5 Recirculating splitter valve
- † MVP digital programmable panels available as an option in some markets.

Other configurations and models available.



NOTE: * Covered by U.S. patent numbers
6,372,137; 5,980,748; 5,531,894; 5,480,561; 5,360,556;
5,492,635; 4,439,323; D461,870; and D445,476.
Additional patents pending.

Finally! Residential Wastewater Treatment – That Works!



Orengo's AdvanTex® Treatment Systems are the ideal solution for environmentally sustainable treatment of residential wastewater flows.

Outstanding Wastewater Treatment

Unlike other onsite wastewater treatment technologies, AdvanTex provides consistent, reliable treatment under real-world conditions. Other systems work OK in a controlled testing environment, but don't hold up to normal household use. AdvanTex does. AdvanTex Treatment Systems process and discharge small amounts of treated wastewater throughout the day. Water so clean it can be reused for drip or subsurface irrigation, or discharged to shallow, inconspicuous trenches.



Fits Small Yards

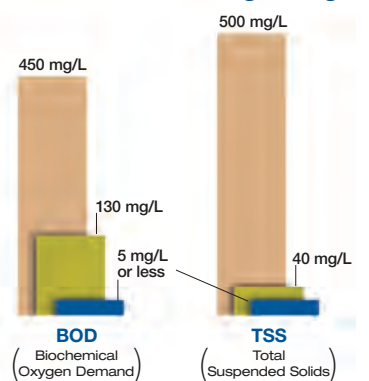
AdvanTex Treatment Systems require very little space. The filter unit is 7.5 ft x 3 ft x 2.5 ft (2286 mm x 914 mm x 762 mm), small enough to fit under a deck or on top of the processing tank. And some jurisdictions allow a reduction in drainfield area with AdvanTex. So AdvanTex is ideal for small sites, or for homeowners who simply want more use of their yard.

AX20 shown here. In addition to being compact, AdvanTex® Treatment Systems are easier to operate and maintain than other wastewater technologies. No odors. No power-hungry, noisy blowers. No activated sludge to manage or pump. No discharge of untreated sewage during peak flows or emergencies.

Low Lifetime Cost

AdvanTex Treatment Systems may cost a little more up front than other systems, but, thanks to low maintenance requirements, they cost much, much less over time. Power costs, pumping costs, and equipment replacement costs are a fraction of those for other technologies. Plus, AdvanTex filters protect your drainfield.

AdvanTex® Treatment Systems make raw wastewater up to 98% cleaner ... consistently producing effluent in the 5/5 mg/L range

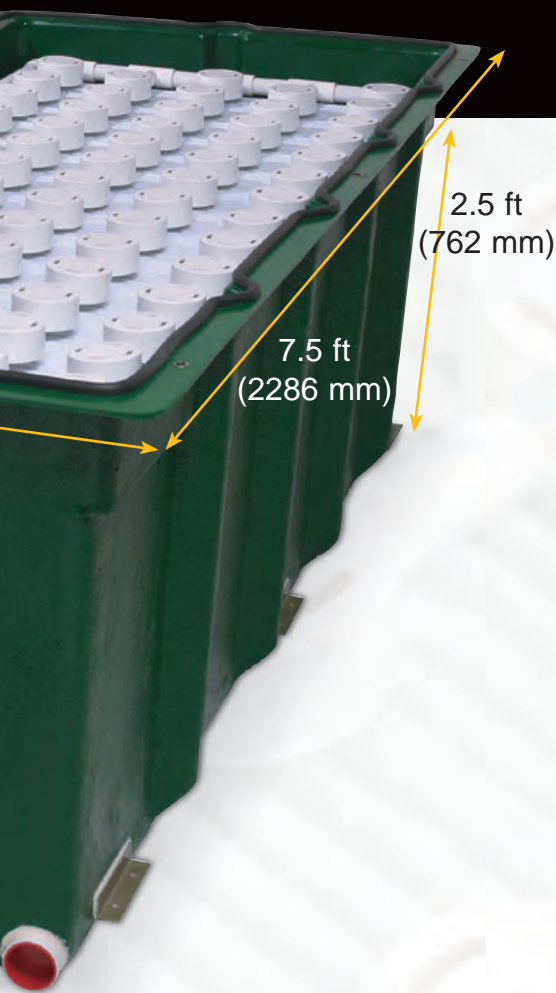


■ Typical Household Raw Wastewater¹
■ Typical Filtered Septic Tank Effluent¹
■ Typical AdvanTex® Effluent²

¹ Source: Derived from *Small and Decentralized Wastewater Management Systems*, Crites & Tchobanoglous, McGraw-Hill, 1998, p. 183.
² Actual performance results, based on a six-month accumulative average from NSF (National Sanitation Foundation) testing on the AX20N at 500 gpd (1900 L/d), using composite sampling.

AdvanTex turns household wastewater into clear, odorless effluent you can reuse for subsurface irrigation.





AdvanTex® Gives You Peace of Mind

Orenco's AdvanTex Treatment Systems are not just a product. They are part of a comprehensive program, for homeowners' peace of mind.

Authorized Dealers and Trained Installers

AdvanTex Treatment Systems are sold by authorized Dealers, who provide ongoing support and warranty service. Dealers ensure that AdvanTex Treatment Systems are set in place by trained installers, following Orenco's instructions.

Trained Service Providers

Like any onsite technology, your AdvanTex Treatment System benefits from regular maintenance by a trained service provider, following Orenco's instructions. Field maintenance report forms are digitally archived for future reference.

Complete, Carefully Engineered Package

Your AdvanTex Treatment System comes as a totally pre-manufactured package, including AdvanTex textile filter, Biotube® pumping package, and "smart" control panel. AdvanTex can be installed on most lots in less than a day.

Low Routine Maintenance Costs

AdvanTex Treatment Systems are easy to service, easy to clean, and generate no troublesome activated sludge. Since maintenance is minimal, so are the long-term costs. Each system comes with a Homeowner's Manual, with tips for preventive maintenance.

Low Power Costs

AdvanTex uses very little power... an average of \$1.75–\$2.00 per month (based on the national average of ten cents per kilowatt-hour). Compare that to the average power cost of \$30.00–\$60.00 per month (depending on your area) for many "activated sludge" aerobic treatment units!

Safe in Emergencies

AdvanTex Treatment Systems that are equipped with VeriComm® Control Panels automatically notify service providers of irregular conditions. And all systems are sized to allow for a minimum of 24 hours of wastewater storage, at average daily flows. So operators can provide "emergency" service during normal working hours, keeping service costs down.

Child-Proof

The lid of the AdvanTex filter is affixed with recessed bolts, making it very tamper-resistant.

Warrantied

Orenco Systems®, Inc. provides a limited, multi-year warranty on all materials and workmanship. Length of warranty varies by region but is at least three years.

Round-the-Clock Monitoring

Your AdvanTex Treatment System may include a control panel with a remote telemetry unit and a round-the-clock, Web-based monitoring system, supervised by your service provider. You'll have even more peace of mind, knowing that the VeriComm® Monitoring System is continually and automatically verifying the operation of your system. For more information, go to www.orenco.com or www.vericomm.net and click on the icon for VeriComm's "On-Line Demo." (Non-telemetry control panels also available.)



Onsite Treatment of Residential Wastewater

For Every Residential Site

There's a standard AdvanTex Treatment System model for every site condition, design flow, and regulatory requirement.

AdvanTex Treatment Systems are particularly well suited for . . .

- small sites
- failing systems
- poor soils
- nitrogen reduction
- environmentally sensitive sites
- stringent treatment standards
- pretreatment of moderately high-strength waste



Deschutes County, Oregon

"I specified an AdvanTex Treatment System for a cluster of 12 luxury homes in the Metolius River Resort, along a premier trout stream in eastern Oregon. AdvanTex worked well because the site has an extremely small footprint and the system was easy to install. Also, the treatment unit is right in front of the Resort's office, so it was super important that there be absolutely no smell, and there isn't. Plus, we didn't have to search for the right treatment media, since it's all included. I would use AdvanTex any place you'd use a conventional recirculating filter."

Steve Wert, CPSS, WWS
Wert & Associates, Bend, Oregon

Tucson, Arizona

"Nearly 1,000 AdvanTex Treatment Systems have been installed in Arizona, primarily due to poor soils, seasonal high water tables and/or nitrogen in the groundwater. In Tucson, homeowners and their treatment system designers have also had to deal with limiting site constraints, shallow rock shelves, and small building envelopes. The AdvanTex system, followed by a subsurface drip system, was the answer. Plus, the installed systems go almost unnoticed in yards and landscaping."

Todd Christianson,
Premier Environmental
Products, LLC



Alberta, Canada

"We've installed about 500 AdvanTex Treatment Systems for all sizes of homes, and, typically, the treated wastewater looks just like water. Our winter temperatures can be as low as -38° F (-39° C). In the middle of December, we started up an AdvanTex Treatment System on a 13,000 ft² (1200 m²) home that averages 1200 gpd (4500 L/d). Two weeks after start-up, the owners entertained 30 family members and guests for a full week. It worked great!"

Bruce Silvester, Onsite Specialties, Inc.

"It worked great!"

Newport, Rhode Island

"I spent six years looking for the right wastewater system for my second home, which is on a small island. Even with seasonal flows, our AdvanTex Treatment System is working great . . . so great, I decided to become a dealer! We entertain often, so we use a lot of water, but we've never had a problem. And the system was easy to transport and install."

Peter Kent, Atlantic Solutions, Ltd.



AdvanTex® – Treatment Systems



Orenco Systems is owned and managed by engineers who develop wastewater systems that work — systems based on sound science.

Clockwise from left:
Eric Ball, P.E., Jeff Ball, P.E., Hal Ball, P.E.,
(front) Terry Bounds, P.E.



AdvanTex® Treatment System
AXN Models meet the
requirements of NSF-ANSI
Standard 40 for Class I Systems.



Powered by
Franklin Electric

Carefully Engineered by Orenco

Orenco Systems has been researching, designing, manufacturing, and selling leading-edge products for small-scale wastewater treatment systems since 1981. The company has grown to become an industry leader, with about 250 employees and with more than 300 points of distribution in North America, Australasia, Europe, Africa, and Southwest Asia. Our products and



Your health is our priority. At Orenco Systems, we are committed to "Changing the Way the World Does Wastewater."

technologies have been installed in more than 60 countries all over the world.



Orenco maintains an environmental lab and employs dozens of scientists and engineers. Orenco's systems are based on sound scientific principles of chemistry, biology, mechanical structure, and hydraulics. As a result, our research appears in numerous publications, and our engineers are regularly asked to give workshops and offer trainings.

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ABR-ATX-1
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