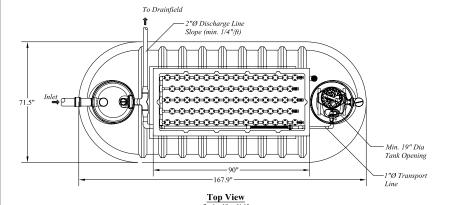


## AdvanTex® AX20N Mode 3A w/Fiberglass Tank w/Saddle



Recirculating Splitter
Valve (RSVQD) with

-AX20N AdvanTex Filter

through

port

Quick Disconnect

# Approved by DEQ 9/14/2007

- 24"Ø PVC Riser with 24" Gasketed Fiberglass

Simplex Pumping System

Splice box Model SBEX4

(Optional model SB4 not shown)

Float Functions High Level Alarm

G Override Timer ON/OFF

W LLA/RO

Lid with S.S. Bolts

To Control Panel

13"

#### Design Notes

Expected Flows

• Q Peak = 500 gpd

Up To 4 Bedrooms

Expected Influent Quality
Grease & Oil: 20 mg/L
BOD: 150 mg/L

BOD: 150 mg/L TSS: 40 mg/L TKN: 65 mg/L

Typical Effluent Quality BOD: < 10 mg/L TSS: < 10 mg/L TN: < 25 mg/L System System of the control of the

9	Designed By: <i>EngINEERING</i>	Drawn By: CHRIS JORDAN	<sup>  ɪtle:</sup> AdvanTex <sup>®</sup> /	AdvanTex <sup>®</sup> AX20N Mode 3A
-	Approved By: DARREN SIMMIE	Drawing: 1 0F 1	Drawing No. NDW-ATX-OR-6	
G	Date Approved: 8/22/07	Revision: A-04	Date: 8/21/07	Scale: 1" = 3'-0"

End View Scale: 1" = 3'-0' Model PVU68-2425-L

Side View
Scale: $1'' = 3'-0''$

24"Ø PVC Riser with

99.25"

1,500 Gallon

Two-Compartment

24" Gasketed Fiberglass Lid with S.S. Bolts (typ.) 2" Dia Vent

I"Ø Discharge Assy.

Model HV100

To Drainfield

Tank Saddle

Float Assembly

Model MF3A

High Head Pump

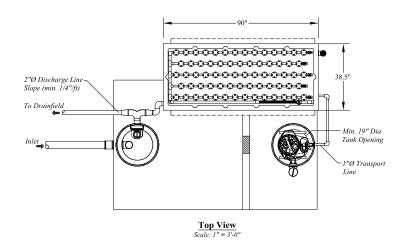
Model PF300511

Biotube<sup>®</sup> Filter (24")

Biotube<sup>®</sup> Fump Vault

U.S. Patents-4,439,323 5,492,635, 6,372,137, 5,360,556 5,980,748, 5,531,894; 5,480,561 D461,870; D445,476 Other Patents Pending

## AdvanTex® AX20N Mode 3A w/Concrete Tank



## Approved by DEQ 9/14/2007

Tank Manufacturer	Tank Size	I	D	Y (High Level)	G (Timer Override On/Off)	W (Low Level)	RSV
Orenco FRP	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Willamette Graystone	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Riverside Ready Mix	1500 Gal.	11"	60.5"	11"	13"	25"	15"
Waite Concrete Prod.	1500 Gal.	10"	64"	10"	12"	24"	14"
Advanced PreCast	1500 Gal.	10"	68"	10"	12"	24"	14"
Hank's Concrete Prod.	1500 Gal.	10"	58"	10"	12"	24"	14"

To Control Panel

**End View** 

Scale: 1'' = 3'-0''

Splice Box— Model SBEX4

(Optional model SB4 not shown)

#### Design Notes

Expected Flows

• Q Peak = 500 gpd

Up To 4 Bedrooms

Expected Influent Quality Grease & Oil: 20 mg/L BOD: 150 mg/L TSS: 40 mg/L TKN: 65 mg/L

Typical Effluent Quality BOD: < 10 mg/L TSS: < 10 mg/L TN: < 25 mg/L

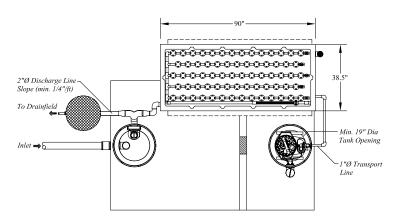
AdvanTex® - AX20N Mode 3A		Scale: /" = 3'-0"	
<sup>πtle:</sup> AdvanTex® - A	Drawing No. NDW-ATX-OR-7	Date: 8/21/07	
Drawn By: CHRIS JORDAN	Drawing: / <i>0F  </i>	Revision: A-04	
Designed By: ENGINEERING	Approved By: DARREN SIMMIE Drawing: 1 OF	Date Approved: 8/22/07	
U.S. Patents-4,439,323 Design 5,492,635-6,322,137-5,386,566 5,980,746-5,531,894-5,480,561 Appro Other Patents Pending © 2005 Orenco Systems ®, Inc			

Y High Level Alarm
G Override Timer ON/OFF W LLA/RO

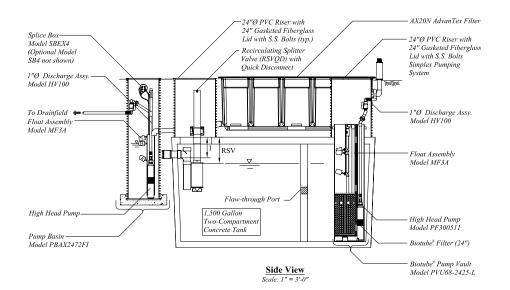
2" Dia Vent

	—— AX20N AdvanTex Filter
24"O PVC Riser with — 24" Gasketed Fiberglass Lid with S.S. Bolts (typ.)	24"Ø PVC Riser with 24" Gasketed Fiberglass Lid with S.S. Bolts Simplex Pumping
Recirculating Splitter Valve (RSVQD) with Quick Disconnect	System  System
To Drainfield	—— 1"Ø Discharge Assy. Model HV100
Inlet Plow-through Port	Float Assembly Model MF3A
1,500 Gallon Two-Compartment Concrete Tank	—— High Head Pump Model PF300511 —— Biotube <sup>s</sup> Filter (24")
Side View Scale: I" = 3-0"	Biotube <sup>®</sup> Pump Vault Model PVU68-2425-L

### AdvanTex® AX20N Mode 3B w/Concrete Tank



Top View



# Approved by DEQ 9/14/2007

Splice Roy-

Tank Manufacturer	Tank Size	I	D	Y (High Level)	G (Timer Override On/Off)	W (Low Level)	RSV
Orenco FRP	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Willamette Graystone	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Riverside Ready Mix	1500 Gal.	11"	60.5"	11"	13"	25"	15"
Waite Concrete Prod.	1500 Gal.	10"	64"	10"	12"	24"	14"
Advanced PreCast	1500 Gal.	10"	68"	10"	12"	24"	14"
Hank's Concrete Prod.	1500 Gal.	10"	58"	10"	12"	24"	14"

#### Design Notes

Expected Flows

• Q Peak = 500 gpd Up To 4 Bedrooms

Expected Influent Quality
Grease & Oil: 20 mg/L
BOD: 150 mg/L
TSS: 40 mg/L
TKN: 65 mg/L

$$\label{eq:continuous} \begin{split} \text{Typical Effluent Quality} \\ \text{BOD:} &< 10 \text{ mg/L} \\ \text{TSS:} &< 10 \text{ mg/L} \\ \text{TN:} &< 25 \text{ mg/L} \end{split}$$

**9**() (Some of the control of the co

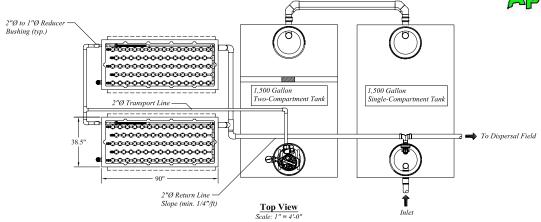
ı				
	Designed By: <i>EngINEERING</i>	Drawn By: CHRIS JORDAN	Title: AdvanTex® - A)	AdvanTex® - AX20N Mode 3B
5 0	Approved By: Darren Simmle	Drawing: 1 0F 1	Drawing No. NDW-ATX-OR-8	
S	Date Approved: 8/22/07	Revision: A-04	Date: 8/21/07	Scale: 1" = 3'-0"

End View Scale: 1" = 3'-0"

Spitee Box— Model SBEX4 (Optional Model SB4 not shown)		2" Dia Vent
Float Functions  Y High Level Alarm  G Override Timer ON/OFF  W LLA/RO  B Pump On  R Pump Off	To Control Panel	

U.S. Patentis.4, 439, 323 5,492, 635-6, 372, 137-5, 360, 556 5,980, 748-5, 531, 894-5, 480, 561 Other Patents Pending © 2005 Orenco Systems ®, Inc





# Approved by DEQ 9/14/2007

#### Design Notes

Expected Flows

• Q perk =

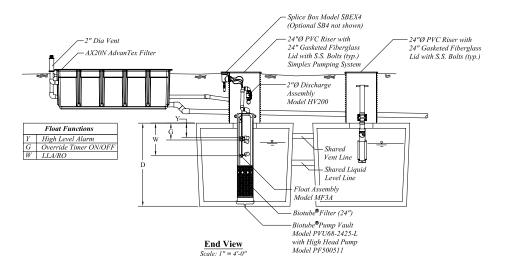
• Q Peak = 1000 gpd Up To 6 Bedrooms

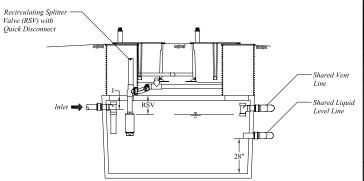
Expected Influent Quality Grease & Oil: 20 mg/L BOD: 150 mg/L TSS: 40 mg/L TKN: 65 mg/L

Typical Effluent Quality BOD: < 10 mg/L TSS: < 10 mg/L TN: < 25 mg/L

TKN: 65 mg/L al Effluent Quality BOD: < 10 mg/L

Tank Manufacturer	Tank Size	I	D	Y (High Level)	G (Timer Override On/Off)	W (Low Level)	RSV
Orenco FRP	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Willamette Graystone	1500 Gal.	11"	64.5"	11"	13"	25"	15"
Riverside Ready Mix	1500 Gal.	11"	60.5"	11"	13"	25"	15"
Waite Concrete Prod.	1500 Gal.	10"	64"	10"	12"	24"	14"
Advanced PreCast	1500 Gal.	10"	68"	10"	12"	24"	14"
Hank's Concrete Prod.	1500 Gal.	10"	58"	10"	12"	24"	14"





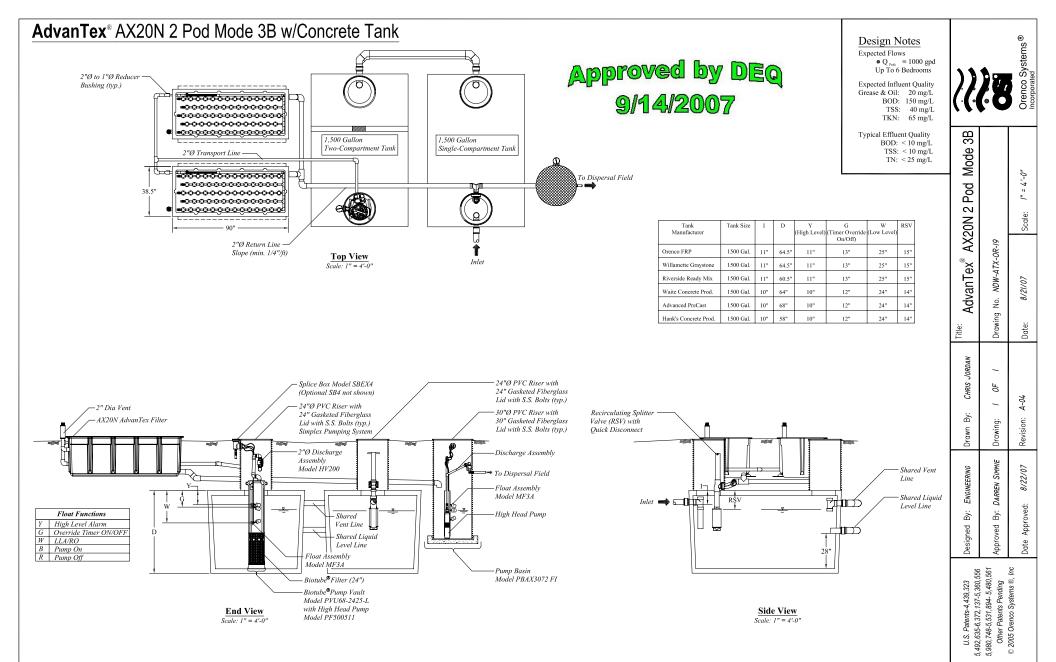
Side View
Scale: I'' = 4'-0''

System System

34

AdvanTex® AX20N 2 Pod Mode		Scale: /" = 4'-0"
Title: AdvanTex® AX;	Drawing No. NDW-ATX-OR-18	Date: 8/21/07
Drawn By: Сняіз Јокрам	Drawing: 1 OF 1	Revision: A-04
Designed By: <i>EnginEERING</i>	Approved By: DARREN SIMMIE Drawing: 1 0F	Date Approved: 8/22/07
23	80,561 ng	®, Inc

U.S. Patents 4, 439, 323 5,492, 635-6, 372, 137-5, 360, 556 5,980, 748-5, 531, 894-5, 480, 561 Other Patents Pending © 2005 Orenco Systems ®, Inc



# AdvanTex® AX20-3 Mode 3 - Treatment Standard 2

2"Ø Return Line Slope (min. 1/4"/ft) (typ.)

<del>\*0<u>\*</u>0\*0-0-0-0-0-0-0-0-0</del>\* 

\*0-0-0-0-0-0-0-0-0-0-0-0-0

2"Ø Transport Line

\*0-0-0-0-0-0-0-0-0-0-0-0-0 

••••••••••

**\*0-0-0-0-0-0-0-0-0-0-0-0-0-0** 

#### \* Discharge to For UV Disinfection discharge options, UV Disinfection reference drawing NDW-ATX-OR-21 Inlet \*0-0-0-0-0-0-0-0-0-0-0-0 \*0-0-0-0-0-0-0-0-0-0-0-0-0-0-0 \*0-0-0-0-0-0-0-0-0-0-0-0-0

recirc.

1,500 Gallon

Concrete Tank

Single-Compartment

Scale: 1'' = 4'-0''

tank

### Design and Installation Notes

- Q peak = 1,500 gpd
- Installation To Be Performed By An AdvanTex Trained Installer Only
- Start-up And Service To Be Performed By An AdvanTex Trained Service Provider

## **APPROVED**

B

septic

1,500 Gallon

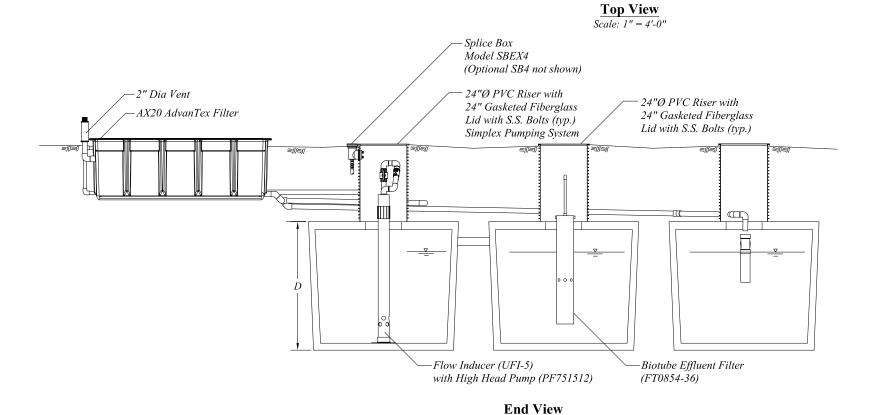
Concrete Tank

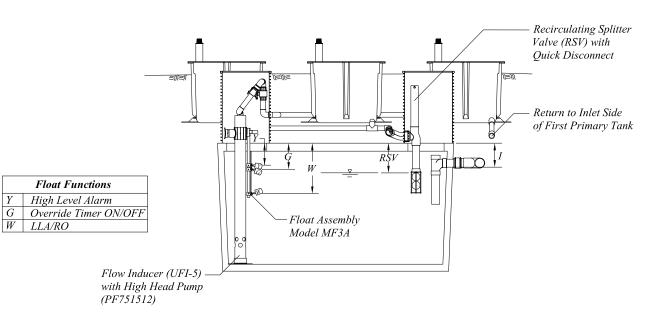
Single-Compartmen

tank

By Randy Trox at 7:55 am, Jun 17, 2016

1 of 2





#### Side View Scale: 1'' = 4'-0''

**Orenco Systems**, Incorporated

2"Ø to 1"Ø Reducer-

38.5"

Bushing (typ.)

Portions or all of this Standard System Configuration Drawing, as appropriate, may be reproduced and integrated into the site—specific layout and configuration of a system by its designer. Disclaimer: This Standard System Configuration Drawing is provided solely as a design aid, and in no event should it be used as a replacement for site—specific engineering and design of the layout and configuration of an actual system. Orenco neither represents nor warrants that the configuration illustrated herein will perform in compliance with the requirements for any particular site or application

Oregon-approved

septic

1,500 Gallon

Concrete Tank

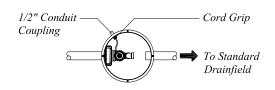
Single-Compartment

tank

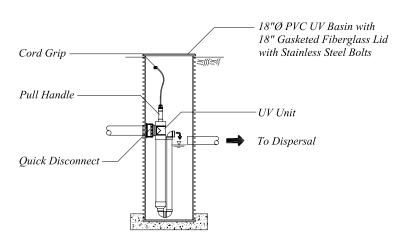
AdvanTex	
AX20-3 Mode 3	
Treatment Standard 2	

*I" = 4'-0"* BEN SMITH Scale: Drawn By: 0F JS Sheet Reviewed By: File Name: NDW-ATX-OR-REG-10 Date: 6/10/2016 Rev: 1.1

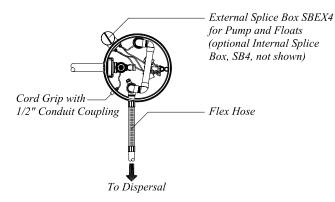
# AdvanTex® AX - UV Discharge Options (Example) for Model AXUV-125/31



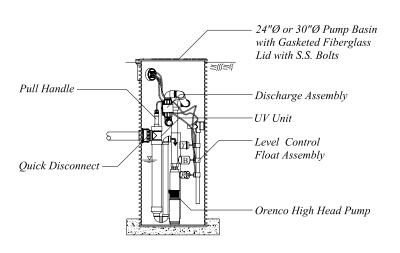
**UV Basin: Gravity Discharge Option Top View** 



**UV Basin: Gravity Discharge Option Side View** 

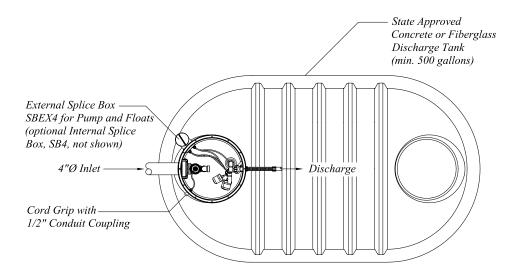


UV Basin: Pump Discharge Option Top View

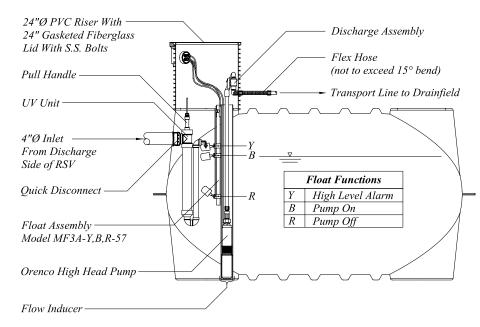


UV Basin: Pump Discharge Option Side View

## 2 of 2



UV Discharge Tank Option Top View



UV Discharge Tank Option Side View

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Orenco Systems®, Inc.

0 1.5' 3' 6' **Graphic Scale** 

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Orenco has prepared these drawings for use by the design engineer. Orenco will not be responsible or liable for unauthorized changes to or uses of these drawings. All changes to these drawings must be made in writing and must be approved by the design engineer.

PRODUCT CONFIGURATION DRAWINGS



			<del>-</del>	
rawn By: <i>Ben Smith</i>	Project:	Scale: /*	' = 3'-0"	
rawn For:	AdvanTex®- AX UV Discharge Options	Sheet:	I OF I	
	Title: NDW-ATX-OR-21	Rev: <b>A-05</b>	Date: <b>8/02/</b>	2011