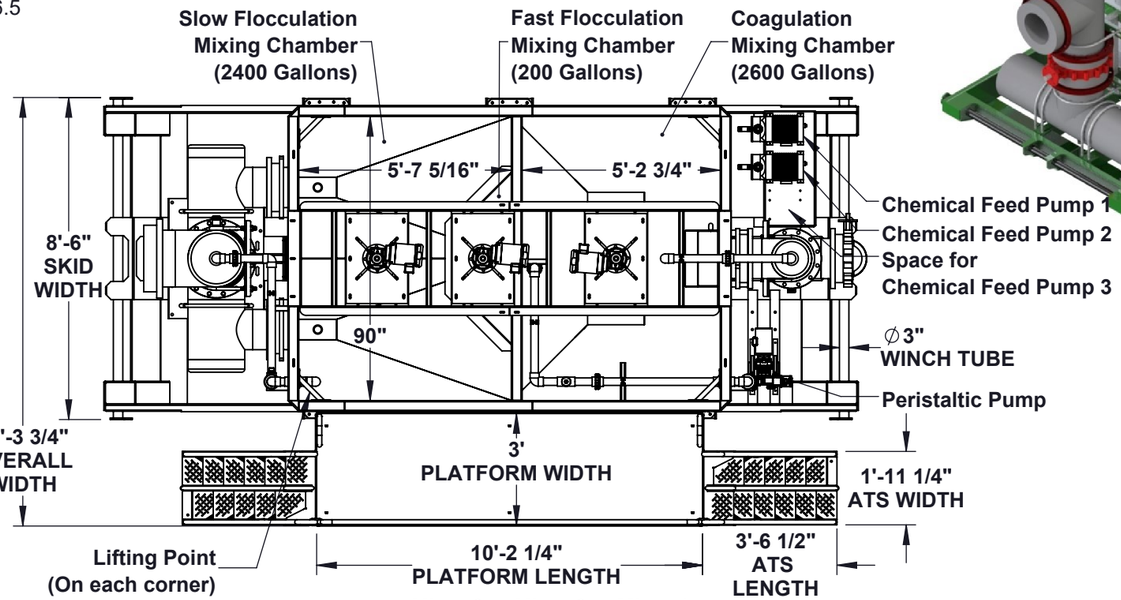
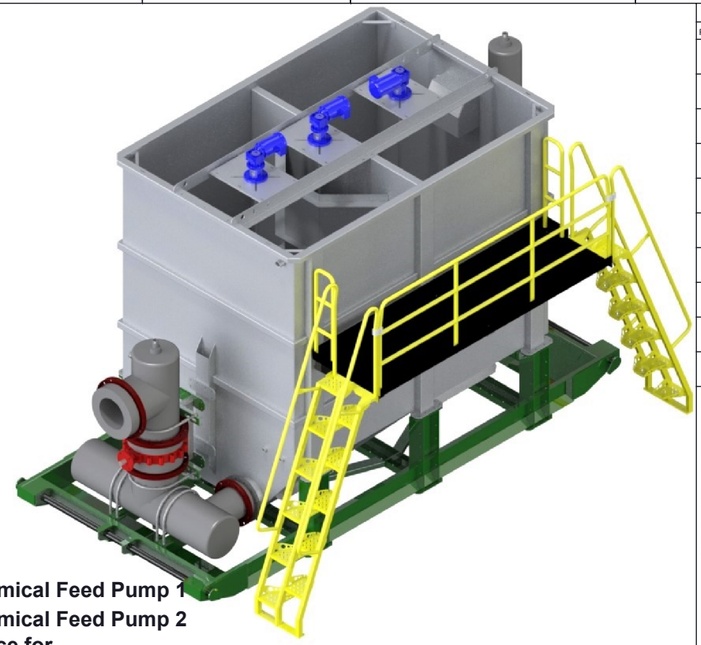
ECOLOGIX 5200 Gal REACTION TANK

1. SHIPPING WT: 14,000 lbs (approx)
2. OPERATING WT: 58,000 lbs (approx)
3. DESIGN PARAMETERS:
- Design Flow Rate: 1924 gpm / 65,966 BPD
- Chamber 1 : Coagulation Mixing Chamber : 2600 Gallons
- Chamber 2 : Fast Flocculation Mixing Chamber : 200 Gallons
- Chamber 3 : Slow Floccuation Mixing Chamber : 2400 Gallons
4. MATERIALS OF CONSTRUCTION:
- All Skid Material to be ASTM A36CS
- All wetted metal materials to be SS 316
- All non-wetted metal materials to be SS 304
- All flanges: ANSI 150# ANSI flanges ASTM A-182 - ANSI B16.5
- All metal piping to be Sch 40 - Pipe SS 316
- All non-metal piping materials to be PVC Sch80 / HDPE
- Influent & Effluent piping materials to be HDPE
- All Gaskets to be: Viton
5. SAFETY AND HEALTH:
- All moving parts are inacessible, as required by OSHA
6. COATING:
- All stainless steel parts are sandblasted
- Mezzanine Platform to be carbon steel painted Grit Black with Safety Yellow Handrails and Alternating Tread Stairs
- Skid to be carbon steel painted John Deere Green
7. WELDING:
- All welds to conform to AWS applicable specification(s)
- Welding equipment/ supplies for sheet metal and structural elements: Wirefed MIG machine or TIG
- Welding equipment/ supplies for piping and fittings: TIG or MIG
8. EQUIPMENT INFORMATION: See table

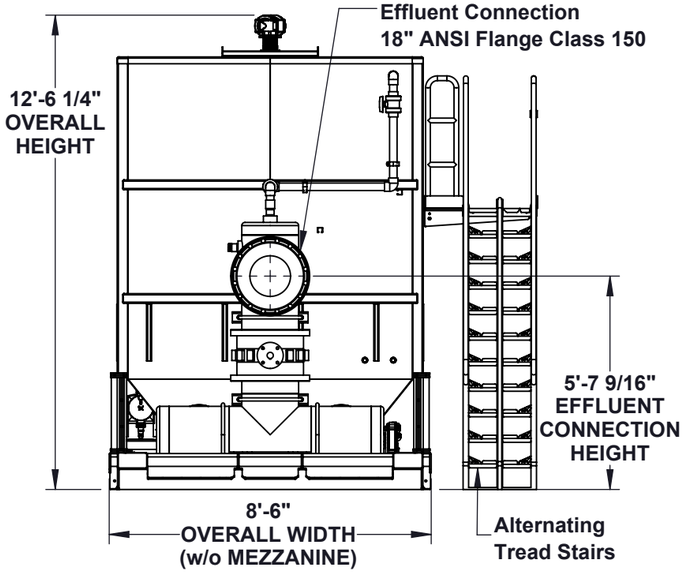
Equipment	Brand	Power
Chemical Feed Pump 1	Grundfos	N/A
Chemical Feed Pump 2	Grundfos	N/A
Chemical Feed Pump 3	Grundfos	N/A
Peristaltic Pump	Abaque	3/4 hp
Mixer 1	Brawn	5 hp
Mixer 2	Brawn	3 hp
Mixer 3	Brawn	1/3 hp

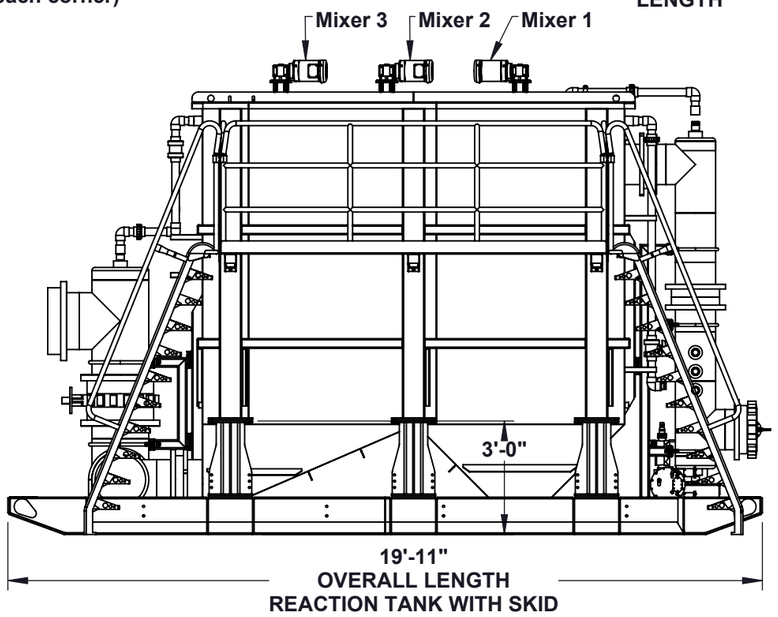


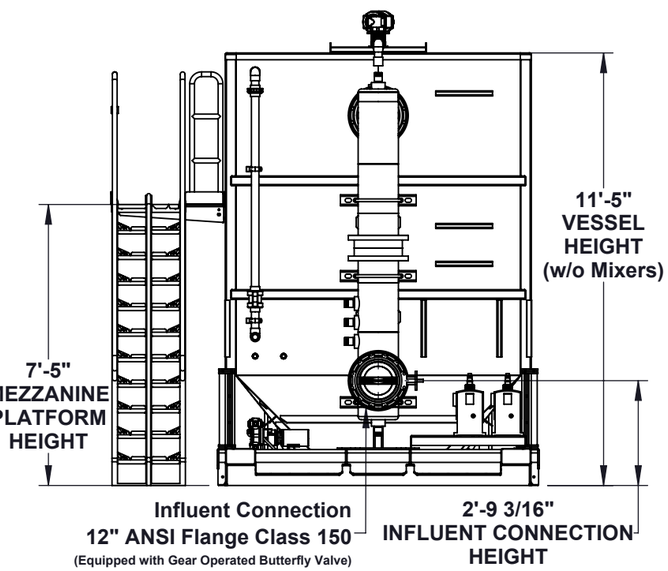


ECOLOGIX 5200 Gallons Reaction Tank

For additional information, please visit
www.ecologixsystems.com







REVISION HISTORY

REV	DESCRIPTION	DATE	BY	APV
1	----	----------	---	---
2	----	----------	---	---
3	----	----------	---	---
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9	----	----------	---	---
10	----	----------	---	---

Notes:
1. Coagulation Pump not shown (will be placed next to Peristaltic Pump)
2. Mixers are for illustrative purpose only. Actual dimensions may vary.

ECOLOGIX ENVIRONMENTAL SYSTEMS
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	SIGN:	NAME	DATE
DRAWN		NPT	10/1/2019
CHECKED		NPT	10/1/2019
ENG APPR		NPT	10/1/2019
MGR APPR		EG	10/1/2019

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
ANGLES ±0.5°
CUTTING DISTANCE ±1/16
WELDING DISTANCE ±1/8

DRAWING TITLE
5200 GAL. REACTION TANK
Submittal Drawing

SIZE	DRAWING: Configuration Name	REV
D		

FILE NAME: AM00247-RT5200 Gal. Submittal Drawing
MATERIAL: SEE SPECS.

SCALE:	WEIGHT:	SHEET NO.
N.T.S.	SEE SPECS.	1 OF 1

LAST UPDATE:
CAD FILE LOCATION: