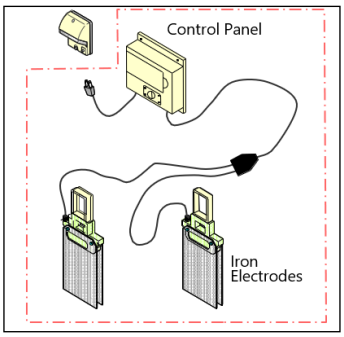
FujiClean USA™

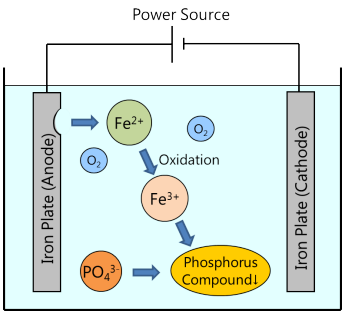
Model CRXII Series

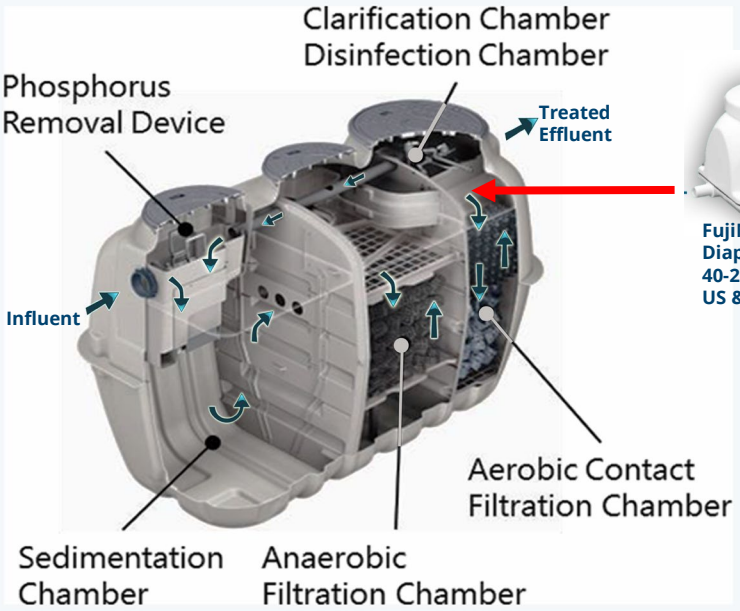
Technical Specification Sheet

Rev. 1., 2-16-24

One Tank Nitrogen and Phosphorus Removal









FujiMAC Linear Diaphragm Blower 40-200 L/min. US & CAN UL Listed

Treatment Process



Design Specification Table

Effluent : (domestic strength influent)	BOD/TSS <10, TN<20, TP <2		
Model:	CRX5	CRX7	CRX10
Load Hydraulic (GPD)	450	630	900
Blower Model	100RII	150RII	200RII
Normal Pressure (kPa)	15	18	18
CFM; L/Min	3.5 CFM 100L/MIN	5.3 CFM 150L/MIN	7.0 CFM 200L/MIN
Power Use (kWh/day)	2.5	4.0	5.5
Material			
Height (inches)	65.4	73.2	77.4
Length (inches)	95.7	98.8	118.9
Width (inches)	49.2	56.7	68.9
Weight (lbs.)	463	705	926
Inlet Invert (inches)	53	61	62
Outlet Invert (inches)	51	59	59.5
Access Ports (number)	3	3	3
Access Port Diameter (inches)	2@20" and 1@24"		
Volume Total (gallons)	749	1,069	1,498

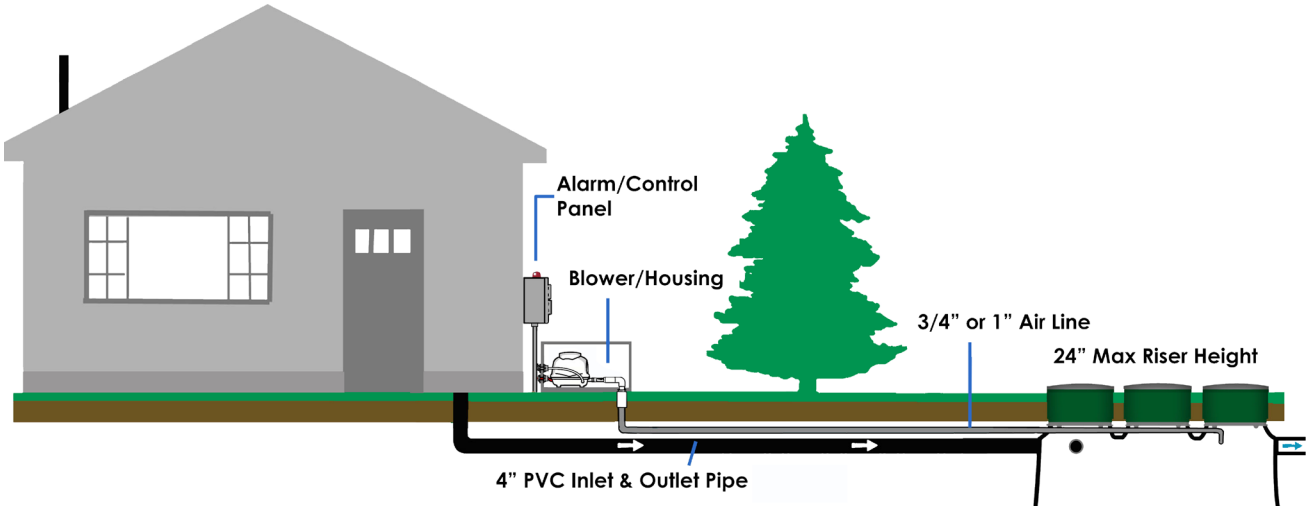
FujiClean CRXII Advantages

FujiClean's CRX treatment technology uses "electro-coagulation" -an efficient and low-energy method to precipitate phosphorus from wastewater. Two oppositely charged iron plates cause phosphorus ions to bind with iron ions and form a phosphorus compound, which settles out of solution into the sludge – to eventually be removed during routine pump-out.

- Nitrogen and Phosphorus removal in single tank
- Over 10,000 installed CRX systems worldwide
- No septic tank necessary
- No moving parts inside tank
- Built-in equalization – levels variable inflow
- Total Nitrogen removal to 70%
- Total Phosphorus removal to 90%
- Smallest footprint vs. competitors
- Lightweight tank – easy installation
- Easy and convenient operation and maintenance

FujiClean USA

Installation Overview





Iron Electrode Plate. Replace as necessary during maintenance.



Centerville, MA Installation on Long Pond
Avg. TP: <1 mg/L

Construction notes

- Preceding septic tank not required
- All at-grade access port covers can withstand body weight
- Excessive loads require H-20 engineering
- Maximum riser height: 24 inches
- Power supply required: 120v, 60Hz.
- Standard air line distance: up to 100 ft. and (5) 90° turns
- Soil bearing power: equal or more than 1200 lbs./ft^2
- Backfill with suitable flowable material such as sand
- Divert water softener backwash directly to drainfield
- Use uplift restraint in high groundwater sites

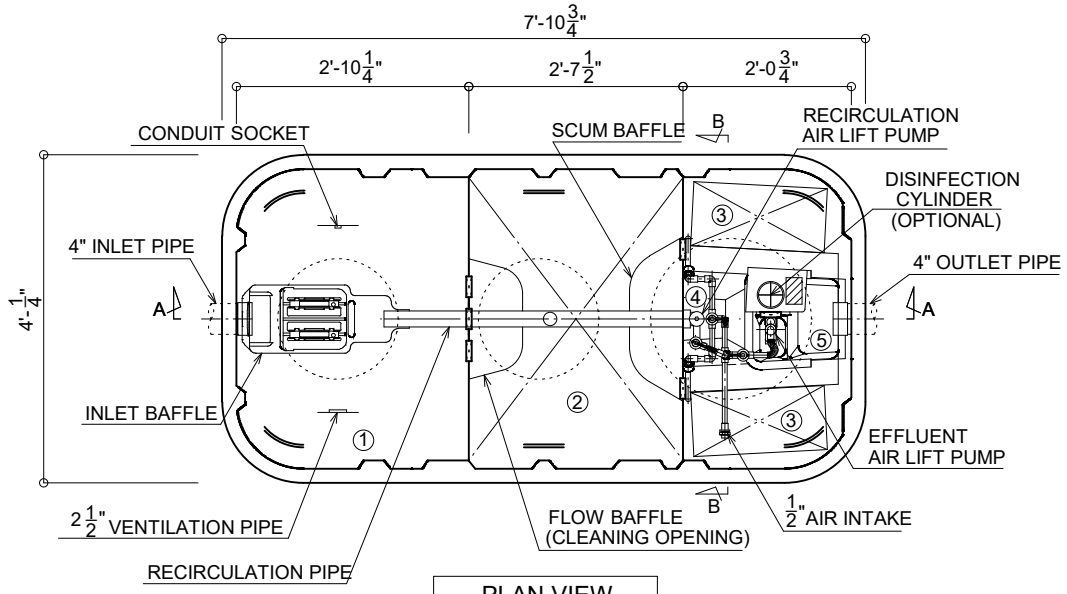
Installer responsibilities include:

- Excavation and related work
- Inflow, effluent and air line pipes and connection work
- Electrical connections to panel and blower
- (As needed) air vent and connection work
- Fresh water to required level in tank

Technical Materials Available:

- Structural Drawings
- H-20 specifications
- Uplift restrain specifications
- Process science details
- Project engineering support
- Structural tank strength
- Effluent flow rate reports

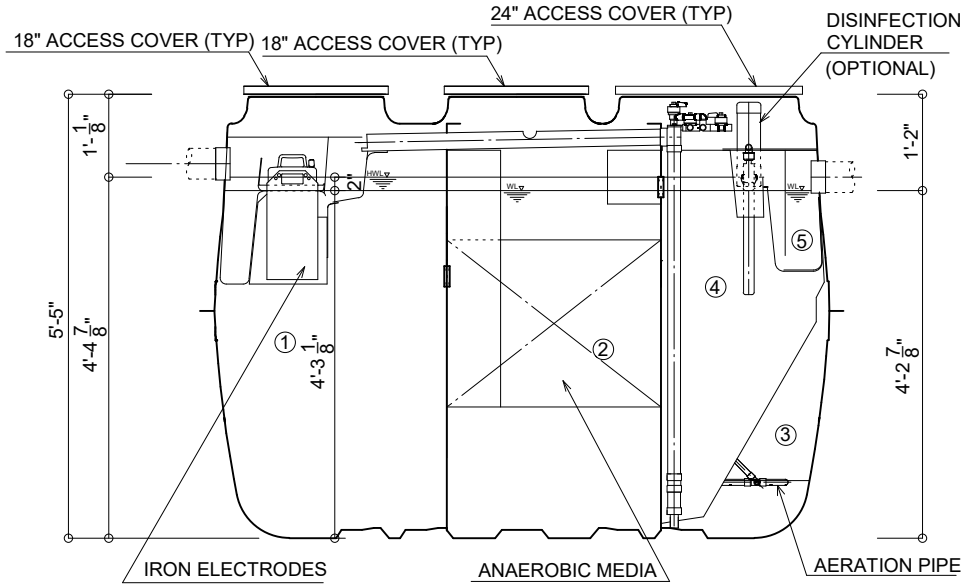
Please Check
www.fujicleanusa.com
for Distributor Locations



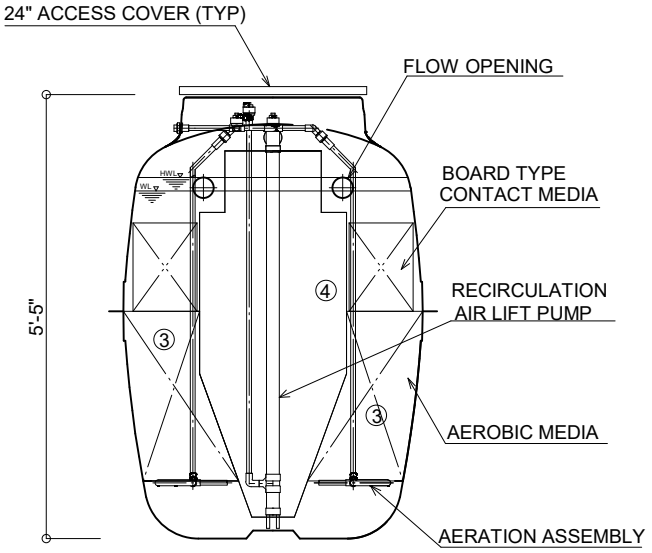
PLAN VIEW

CRX II－5

①	Sedimentation Chamber	Volume	277 gal
②	Anaerobic Filtration Chamber	Volume	278 gal
③	Aerobic Contact Filtration Chamber	Volume	127 gal
④	Clarification Chamber	Volume	63 gal
⑤	Disinfection Chamber	Volume	4 gal
	Total Volume	Volume	749 gal
	Specification		
Anaerobic Media	PP/PE	Filtration Rate	46%
Board Type Aerobic media	PVC/PP/PE	Filtration Rate	16%
Aerobic Media	PP/PE	Filtration Rate	57%



SECTION A-A VIEW



SECTION B-B VIEW

			DATE:09-14-2020	
			DRAWN BY: SAIKA	
				FUJI CLEAN CRX II-5

FujiClean USA™
Toward Clean Water...

FUJI CLEAN USA, LLC
41 GREENWOOD ROAD
BRUNSWICK, ME 04011
(207)406-2927
WWW.FUJICLEANUSA.COM