

**Redfox Marine Series IMO MEPC 159(55) Certified
Sewage Treatment System**

Product Description & Specifications

USCG & IMO MEPC.159 (55) Approved
Extended Aeration Biological Wastewater
Treatment Process

Fully Weldable Skid Package
Flow Configuration - TBD

Construction Specification

1/4" Thick ASTM-A-36 Steel
4 Chamber Design

- Aeration – 24 hour Retention
- Flooded Clarifier - Under Head Pressure Design 6 hour Retention
- Media Chamber - 30-Minute Retention
- Chlorine-Contact Chamber 30-Minute Retention

Hatches Fasteners: ½ 316SS Studs, Nuts & Washers

2" Drain FMPT Fittings On Each Chamber
Inlet Bar Screen
Sludge Return Line (1)
Skimmer Return Line (2)
External Air Piping 316SS
4 Point Lifting Lugs
All External Connections FMPT
Internal Fluid Piping Sch 80 PVC

Paint Specification

Interior Paint (Carboline)
First Coat – Carboline 187-0500 modified phenolic epoxy lining @ 5.0 to 7.0 mils DFT.
Second Coat – Carboline 187-C703 modified phenolic epoxy lining @ 5.0 to 7.0 mils DFT.
Exterior Paint (Carboline)
First Coat – Carboline Carbozinc 11-0300 inorganic zinc applied @ 2.0 to 3.0 mils DFT.
Second Coat – Carboline 893-0600 high build inhibited epoxy applied @ 4.0 to 6.0 mils DFT.
Third Coat – Carboline 134HG-C703 high build polyurethane @ 2.0 to 3.0 mils DFT

Equipment Specifications

Simplex Blower Assembly:
Roots - Rotary Lobe
Blower Pulley Guard
Inlet Filter Silencer
0-15 PSI Gauge
Bronze Clarifier Control Valves.
¼" Bronze Sample Valve
Air Diffusers 316 Stainless Steel
¾" Conbraco 6-PSI Pressure Relief Valve
Chlorine Chemical Tank And Liquid Meter Assembly

Discharge Pump Tsurumi 50PU2.4S
Electric Submersible Pump
NEMA 4X Control Panel For Blower And Discharge Pump Operation
High Level Alarm
Float Switch Controller For Discharge Operation
Common Liquid Bleach Used