

Aeration System

Rebuild & Retrofit

- Parkson-certified labor
- Parkson-certified engineering
- Work performed on-site
- Parkson-certified training upon completion
- Replacing wearable items will reduce the risk of downtime

How's your air?

The Biolac® Rebuild & Retrofit Program replaces all in-basin aeration components. The aeration chains are replaced with the new floating PE pipe design and the air manifolds are replaced with the new BioFlex Biofuser assemblies. This ensures that the Biolac® unit will be refurbished to a like-new operating condition.

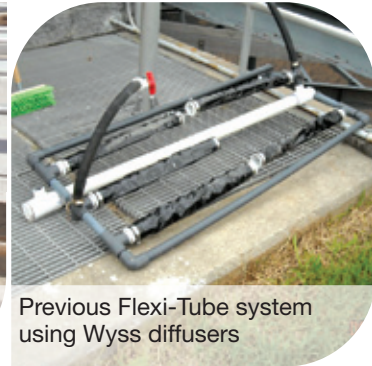
This exclusive service provides a one-year warranty for the Biolac® system with an on-site certified rebuild or supervised on-site rebuild. When the rebuild or retrofit is completed, a Parkson-certified specialist will provide an operational refresher course to ensure smooth start-up of the equipment.



Biolac® restraint chains



Integral clarifier skimmer pipe



Previous Flexi-Tube system using Wyss diffusers

Features

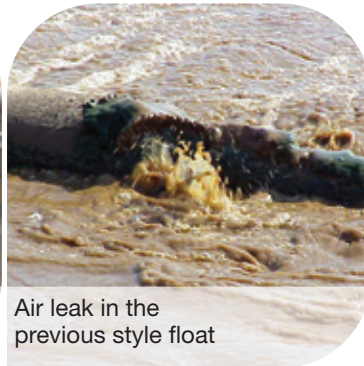
- Work performed on-site
- Parkson-certified labor
- Parkson-certified engineering
- Parkson-certified training upon completion

Benefits

- Extends equipment life
- Improves operational efficiency
- Minimizes downtime
- Avoids capital expense of new equipment
- One-year warranty on replaced parts



Broken Biofuser assembly



Air leak in the previous style float



A boil from a torn sheath



Torn diffuser membranes

Parkson Rebuild & Retrofit Options

Parkson-Certified OEM Parts

Features

- Customer purchases all recommended Parkson replacement parts and components
- Customer performs retrofit or rebuild without factory, Parkson Field Service or a Parkson-certified installer
- Ideal for operator with extensive operational resources and knowledge

Advantages

- Most economical option if knowledgeable labor is available
- Since no service is provided, 90-day warranty is granted on all parts
- Parkson OEM parts are supplied

On-Site by Owner with Parkson Supervision and OEM Parts

Features

- Hands-on option allows customer to rebuild or retrofit the unit(s) themselves on-site using original, certified parts
- On-site supervision from a Parkson-certified specialist
- One-year warranty on the rebuilt equipment

Advantages

- Best overall training opportunity
- Security of a Parkson-certified supervisor
- Parkson OEM parts are supplied

On-site with Parkson Technicians and OEM Parts

Features

- Parkson-certified specialist will complete the rebuild or retrofit at the customer's facility, replacing all recommended wear parts
- Newly reconditioned unit(s) will be placed back in operation without having been physically removed from the customer's plant
- One-year warranty on the rebuilt equipment

Advantages

- On-site solution
- Allows for additional training opportunity
- Parkson OEM parts are supplied



In certain installations, Parkson can upgrade the Biolac® to a Parkson Wave Oxidation Process. This will provide waves of oxic and anoxic zones within the basin. The repeated cycling nitrifies and denitrifies the wastewater without the need for recycling or external basins. No additional in-basin components are required and simple timer-operated actuator valves regulate the air distribution.

New Biolac® system with PE pipe

Service Maintenance Program

The Parkson Biolac[®] Maintenance Program will provide the necessary preventative and periodic care to keep your Biolac[®] unit functioning optimally. Parkson offers monthly and quarterly programs.

Maintenance Activity	Frequency
Perform a general visual inspection	
Flex diffusers	Monthly or quarterly, depending upon program
Inspect and test clarifier rake system (for systems with integral clarifier)	
Inspect diffusers	
Inspect all joints and clamps	Annual
Clean all piping and channels	

Additionally, Parkson will perform the required monthly, quarterly, semi-annual and annual maintenance required on your system's blowers and motors/reducers per the EOM manual.

Benefits

- Extends life of the unit and its consumables
- Provides insight into wear and tear
- Reduces risk of unplanned downtime
- Inspection of equipment performance and condition by knowledgeable, certified field service technician



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