

# Lamella EcoFlow<sup>®</sup>

## Inclined Plate Settler

### Rebuild & Retrofit

- 25% increase in capacity over traditional plate settlers
- Improved hydraulics yield improved efficiency
- Easy to retrofit existing settlers
- Improved effluent quality and sludge thickening

# Is your Lamella® settler reaching its limits?



Traditional plate settlers orient the feed slots in such a way that the influent stream collides with the solids front moving down the plate to the sludge hopper. This creates a zone of interference that renders the bottom 20% of the plate area unusable for settling.

The EcoFlow design changes the orientation of the feed slots to allow the influent to flow over top of the solids front. Elimination of the mixing zone allows for 100% utilization of the plate settling area. The increase in settling area allows for 25% more flow to be processed than in a given Lamella® tank with traditional plates. Alternatively, a given flow rate can be handled with a 20% reduction in equipment size. EcoFlow plates allow for better effluent quality and enhanced sludge thickening due to the influent, effluent and solids streams not interfering with each other.

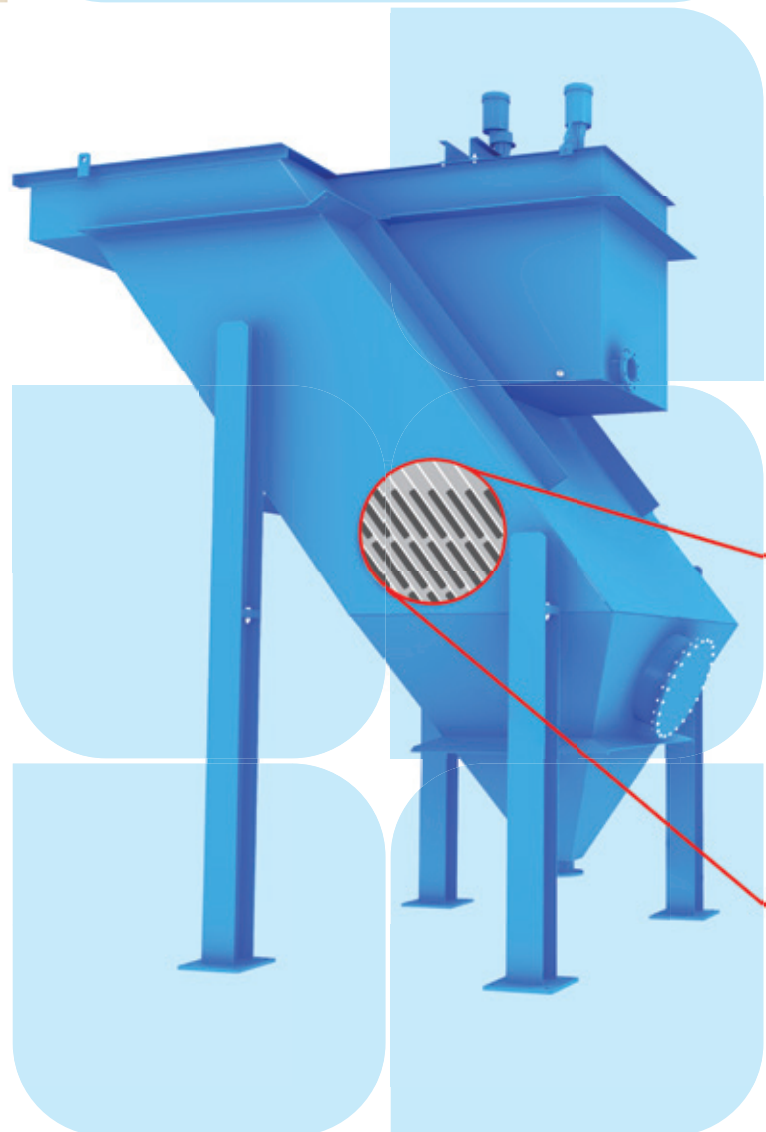
Parkson's Lamella® Gravity Settler Rebuild and Retrofit Program is a service that replaces all inclined plates, flumes, feed boxes, weir plates and necessary hardware. During the replacement process, the settler tank can be repaired or sandblasted and recoated as necessary. All Parkson rebuilds and retrofits come with a one year warranty on all replacement parts and labor. Upon completion of a rebuild, a Parkson-certified technician will start-up the equipment and provide operator training.

## Features

- No zone of interference between feed, solids and effluent
- 100% utilization of plate settling area
- Feed port location changed while overall plate geometry is the same
- Complete replacement of plate packs
- Parkson-certified labor

## Benefits

- Improved hydraulics providing for up to 25% more flow capacity
- Better laminar flow through your unit that substantially improves effluent quality
- Better solids handling capacity providing for denser sludge, resulting in less sludge volume to reprocess
- Extends equipment life
- Avoids capital expense of new equipment
- Adds one year warranty on replaced parts and services



# Parkson Rebuild & Retrofit Options

## Parkson-Certified OEM Parts

### Features

- Customer purchases all recommended Parkson replacement parts and components
- Customer performs retrofit or rebuild of the unit(s) without Parkson Field Service specialist or a Parkson-certified installer on-site
- Ideal for an 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 Field Service specialist
- One-year warranty on the rebuilt equipment

### Advantages

- Best overall training opportunity
- Security of an on-site Parkson-certified supervisor
- Parkson OEM parts are supplied

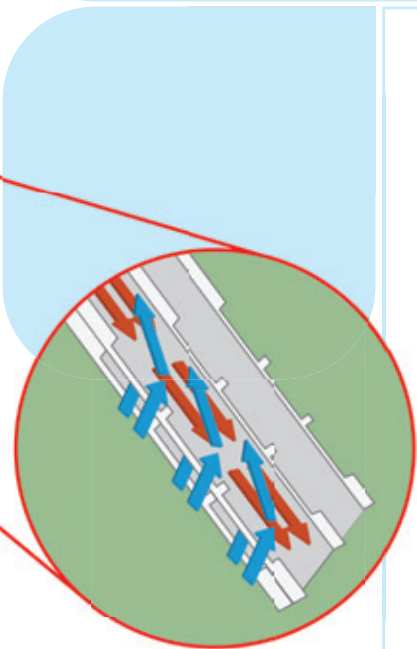
## On-site by Parkson Technicians and OEM Parts

### Features

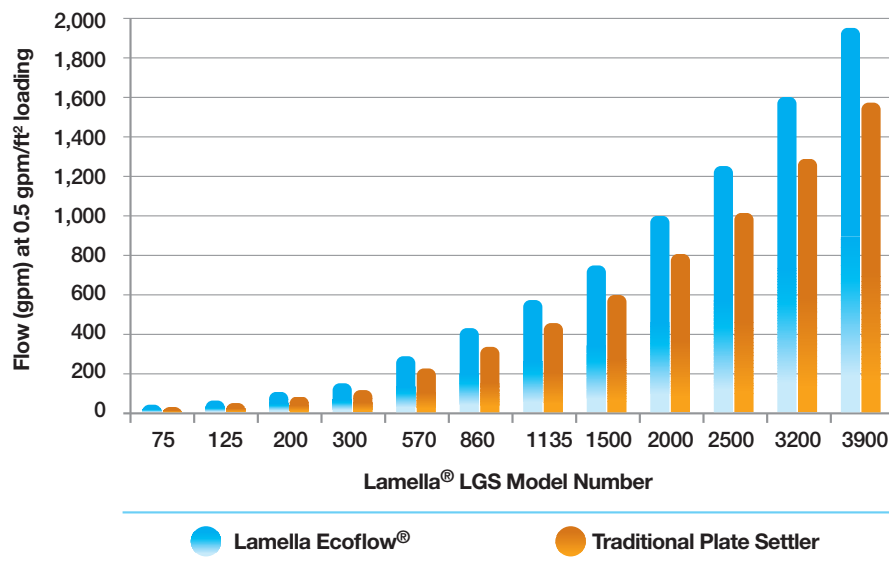
- Parkson Field Service specialists will complete the rebuild or retrofit on-site, replacing all recommended wear parts
- Newly reconditioned unit(s) will be placed back in operation without having been physically removed from the customer's plant
- One-year warranty on the rebuilt equipment

### Advantages

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



## Added Capacity Using Lamella EcoFlow®





# Service Maintenance Program

The Parkson Lamella® Maintenance Program will provide the necessary preventive and periodic care to keep your Parkson Lamella® unit functioning optimally. Parkson offers annual programs.

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## Maintenance Task

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General inspection of drives and tank unit

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Wash plate packs

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Clean hopper bottom

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Change oil in flocculator and mixer drives

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Check and level effluent weir

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## Maintenance Service Promotion for Your Lamella® Unit

For customers with annual maintenance programs, Parkson offers a 25% discount on labor associated with specific maintenance event(s) identified between scheduled service calls.

This assumes that customers are complying with Parkson's identified service recommendations and are using Parkson-certified parts.



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