



# DynaSand<sup>®</sup> EcoWash<sup>®</sup>

Reduce energy use and operating costs  
with efficient self-cleaning operation

## Rebuild & Retrofit

- Parkson-certified labor
- Parkson-certified engineering
- Work performed on site with minimal or no down time
- Parkson-certified training upon completion

# Tired of blowing your money away?

The DynaSand® EcoWash® Rebuild & Retrofit program is a Parkson Service that replaces all wearable parts of your filter and improves the efficiency of your filters regardless of what option you take. The different options available all improve the operation of your filters, even allowing for your filters to operate more efficiently (more and cleaner filtrate) while saving you money. The reliable and efficient DynaSand® continuously operated sand filters are now available with the revolutionary EcoWash® intermittent sand washing technology that reduces energy use and backwash production by up to 90%.

## A new, intelligent way to operate your filters

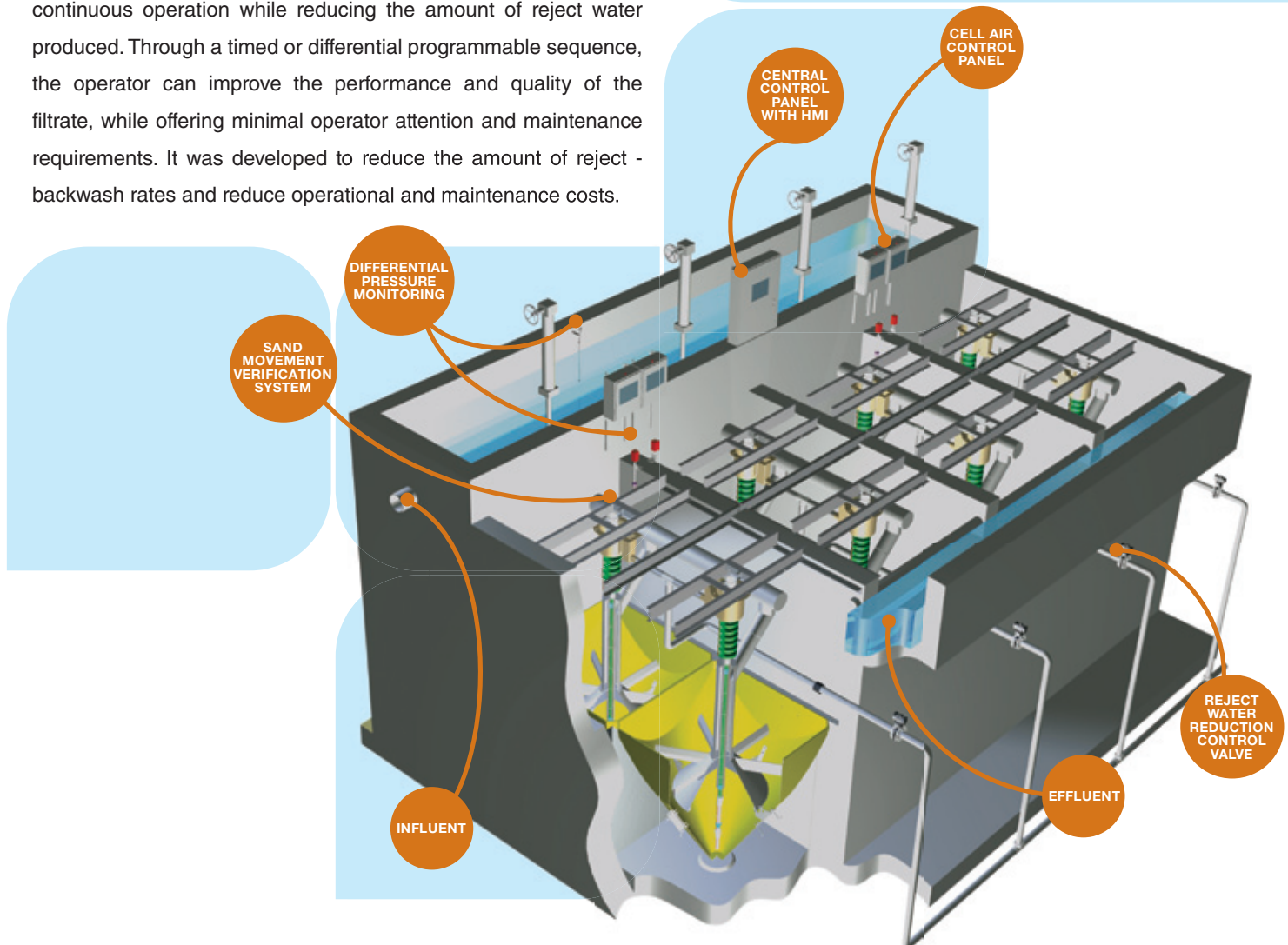
The new DynaSand® EcoWash® filtration is a response for the need to control and optimize your filter's operation by allowing continuous operation while reducing the amount of reject water produced. Through a timed or differential programmable sequence, the operator can improve the performance and quality of the filtrate, while offering minimal operator attention and maintenance requirements. It was developed to reduce the amount of reject - backwash rates and reduce operational and maintenance costs.

### Benefits

- Increased filtration capacity
- Reduced reject production
- Increased effluent quality
- Reduced maintenance requirements
- Reduced airlift wear
- Reduced operator attention
- Improved operator's control and remote monitoring
- Reduces pretreatment chemical usage
- Optimized filter operation

### Features

- DynaSensor™ Sand Movement Verification System
- Reject Water Reduction System
- Central Control Panel with PLC and HMI interphase
- Cell Air Control Panel with dual airburst and reject valve control
- Dual chamber EcoWash® airlifts



# EcoWash® Rebuild and Retrofit Options

## EcoWash® On-site by Owner with Parkson Supervision and OEM Parts

### Features

- Customer purchases all recommended EcoWash® components and performs own retrofit with Parkson supervision
- Easy EcoWash® upgrade to intermittent backwash operation
- Continuous monitoring of sand movement with remote alarms
- Dual chamber airlifts enhance backwash start-up operation, avoiding sand lifting malfunction
- EcoWash® one-year warranty

### Advantages

- Most economical option if knowledgeable labor is available
- Parkson supervision, programming and start up services
- Up to 90% reduction in wastewater reject and energy use
- EcoWash® airlift useful life increased by up to 10 times
- Alarms monitoring and remote control through SCADA and WEB gate with data logging feature
- Parkson OEM parts are supplied

## EcoWash® On-site with Parkson Technicians and OEM Parts

### Features

- Customer purchases all recommended EcoWash® components with Parkson-certified specialists completing the EcoWash® upgrade
- Easy EcoWash® upgrade to intermittent backwash filtration, reducing reject, energy use and component wear
- Continuous monitoring of sand movement with remote alarms
- Dual chamber airlifts enhance backwash start-up operation, avoiding sand lifting malfunction
- EcoWash® one-year warranty

### Advantages

- Certified Parkson technicians provide installation, programming and start up services
- Up to 90% reduction in wastewater reject and energy use
- EcoWash® airlift useful life increased by up to 10 times
- Alarms monitoring and remote control with data logging feature
- Parkson OEM parts are supplied

# EcoWash® Options

## EcoWash®

### Features

- Separate central & air control panels
- Up to maximum 120 modules total
- PLC with 10" color touch-screen HMI
- Easy on-screen set point adjustments
- Ethernet communication
- System alarms & data logging provided
- Remote monitoring

## EcoWash® Flex

### Features

- Separate central & air control panels
- Up to maximum 24 modules total (maximum 6 cells)
- PLC with 6" color touch-screen HMI monitor
- Easy set point adjustments
- System alarms and data logging provided

## EcoWash® Essentials

### Features

- Integrated central & air control panel
- Up to maximum 4 modules total (maximum 1 cell)
- Programmable relay control with small display
- Limited alarms
- Limited set point adjustments

# Top Feed Retrofit

## Top Feed Upgrade With all EcoWash® Options

### Features

- Onsite solution increases filter capacity by up to 30%
- Improved effluent quality
- Eliminates dirty plenum, sludge hauling and disposal
- Replacing worn internals leaves filter like new
- Eliminates sand loss into bottom plenum leaving no hazardous plenum to clean

# EcoWash® Service Maintenance Program

The Parkson DynaSand® Maintenance Agreement provides for periodic preventive care so that your filtration system functions optimally and provides you with the best quality filtrate at the lowest cost. Parkson offers biannual and annual maintenance programs designed to inspect filter operation and wearable parts that could reduce your filter's performance. Call us to design your specific EcoWash® SMA and get the specific services to be provided from the following options.

## EcoWash® Service Maintenance Agreements Options

### EcoWash® SMA SILVER:

- Annual inspection of your filter with inspection of controls, airlifts and operation parameters
- Affordable way to get your filters inspected annually
- Set of on-site recommendations is provided to improve the filters operational parameters and save money in O&M

### EcoWash® SMA GOLD<sup>(1)</sup>

- Biannual inspection of your filter components, controls and operation parameters
- Operational analysis reports to be provided, based on data gathered from EcoWash® monitoring, with recommendations for improving filter performance

## Benefits

- Extended life of the unit and its wear parts
- Insight into wear and tear
- Reduced risk of unplanned downtime
- Optimization of your filters operation, through the inspection of your filters by certified field service technicians
- If EcoWash® is installed, optimization of the filters' cleaning and operating cycles maximizes savings



(1) Under the EcoWash® SMA GOLD, Parkson offers the possibility to define a lease plan for your EcoWash® upgrade

## Maintenance Service Promotion for your Filter's EcoWash® Upgrade

For customers with EcoWash® SMA Gold, Parkson offers a discount of 25% on labor associated with specific maintenance events identified during the scheduled service calls. This assumes that customers are complying with Parkson's identified service recommendations and are using Parkson-certified parts.



Fort Lauderdale  
Chicago  
Montreal  
Mumbai

1.888.PARKSON  
[services@parkson.com](mailto:services@parkson.com)  
[www.parkson.com](http://www.parkson.com)