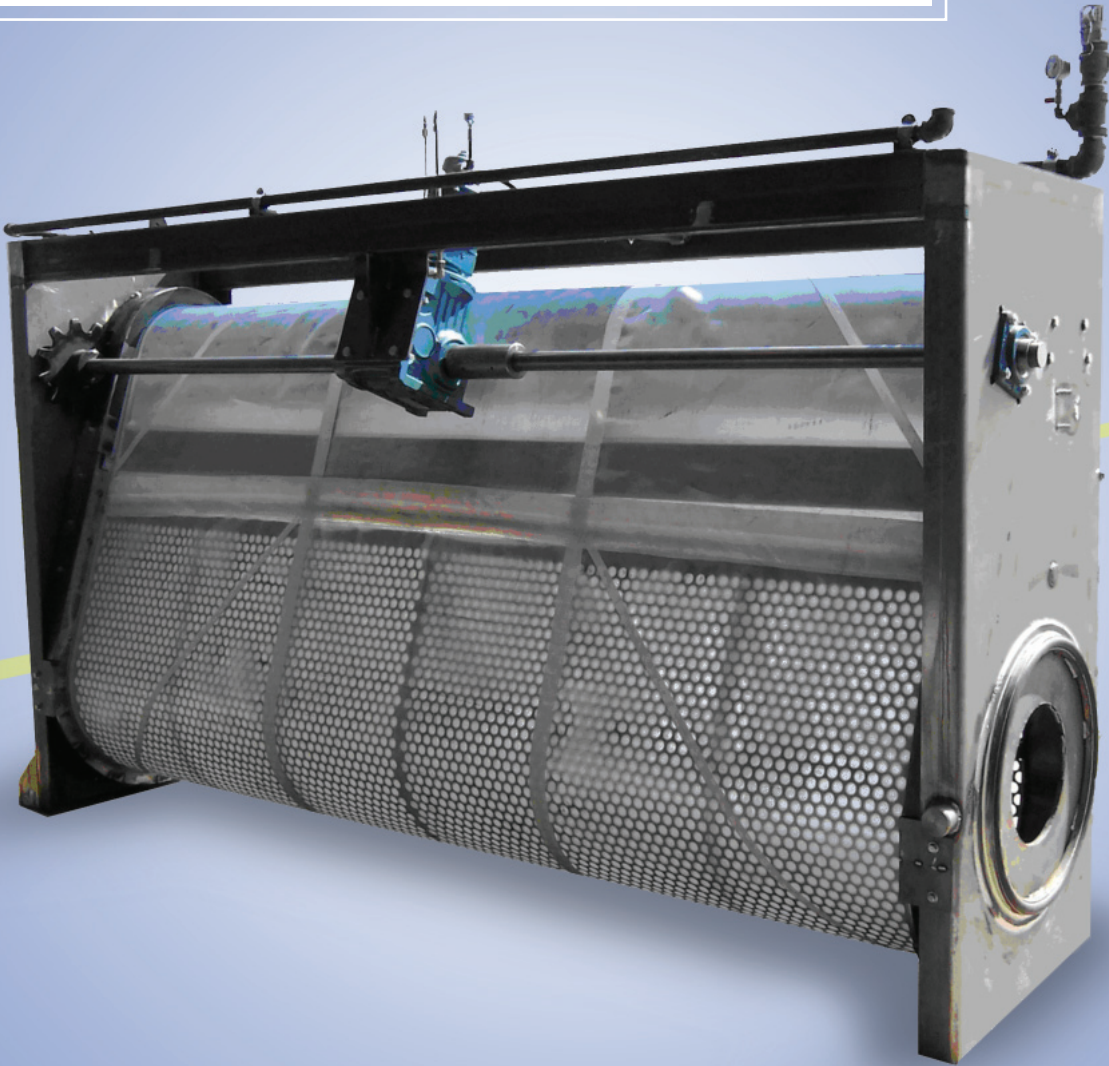


# SealTrack™ Endless Belt - Drum Module

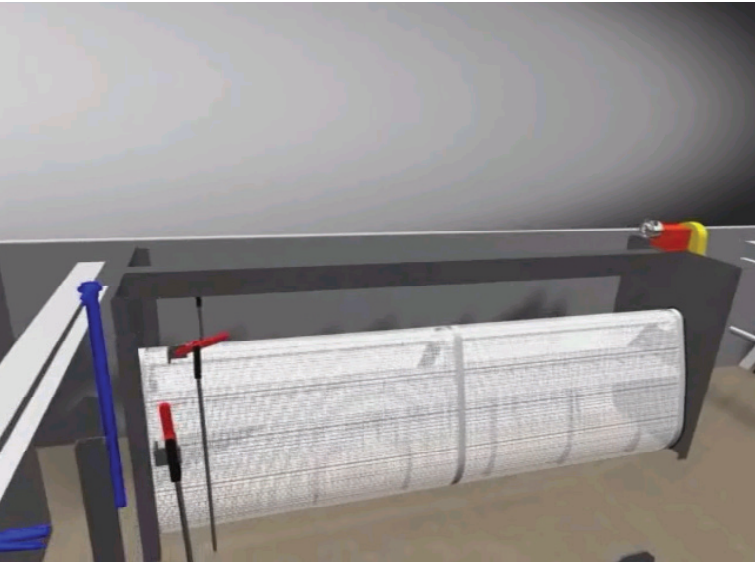


Ecoclean STEB-D



Ecoclean


# Improving filtration clarity



*STEB-D patented seal design—seal remains engaged even while the filter indexes, improving filtration clarity*

## Technology

SealTrack™ Endless Belt - Drum Module (STEB-D) is a filtration module that combines drum filtration with patented sealed track endless belt technology to create a positive seal. STEB-D is available on new filter systems or can be purchased as an upgrade to improve existing systems that use wedgewire or microscreen filter elements.

STEB-D's patented "positive mechanical seal" allows the filter media to be indexed without ever breaking the seal on the track. This permanent seal virtually eliminates chip migration. 

# Adapting to process change


## 24" diameter module system

- Top Suction Design
- Length between 5 and 12 feet
- Tank sidewall at least 8 feet tall
- Number of drums is not a factor because the upgrade is modular

## 36" diameter module system

- Length between 5 and 12 feet
- Tank sidewall at least 10 feet tall
- Number of drums is not a factor because the upgrade is modular

## Upgrading

Upgrading an existing process to STEB-D is practical and cost-effective, particularly if machining or grinding processes have changed, or if clarity has become more critical to the operation. Our cost benefit analysis has shown that the initial investment in STEB-D technology is recouped by savings in maintenance labor and downtime associated with shortened tool life, premature sentinel bag replacement, cellulose pre-coat, and chip bypass plugging. 

# Upgrade benefits


## STEB-D upgrade kits

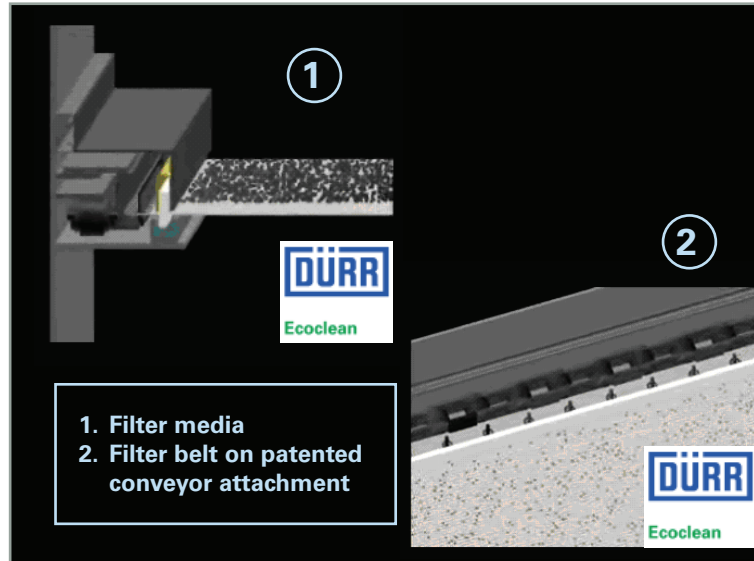
Upgrade kits include:

- STEB-D filter module
- Booster pump module
- STEB-D module control panel

## Why upgrade?

Upgrading to STEB-D can reduce or eliminate the following issues:


- Premature sentinel bag replacement
- Bothersome cellulose pre-coat usage
- Chip bypass plugging the tooling or headers
- Shortened tool life 



*Media is sealed even while indexing*

# Easy maintenance

## Maintenance

- STEB-D reduces maintenance labor and downtime associated with poor filtration
- Install or replace belts in 30 minutes or less
- No special tools required for belt installation
- Wash station located within each module assembly, eliminates leaks on the floor associated with external wash stations
- STEB-D filter module can be removed from the filter tank without draining the coolant 

## Upgrade considerations

The STEB-D is available in two standard drum diameters. The length of each drum is set between a minimum and maximum, however the exact length is based on the existing installation. For assistance in determining what type of system you have and your upgrade options, please contact Dürr Ecoclean, Inc.

# SealTrack™ Endless Belt - Drum Module

## Fields of application

- Upgrade existing SID microscreen or wedgewire filters
- Retrofit other filtration systems
- Improve filter clarity

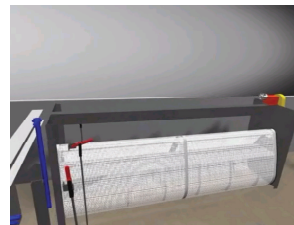
## STEB-D product comparison

Benefits of STEB-D compared to other filtration methods

- STEB-D filter module provides the same filter area as existing wedgewire or microscreen drum modules
- Short overall belt length around perimeter lowers cost of belt component
- Patented positive mechanical seals of filter element prevents chip bypass into clean stream with virtually no migration, even when indexing
- Polyester or polypropylene filter belts for most applications to improve clarities
- Positive conveyor attachment to endless belt allows belt movement, eliminates risk found on traditional friction-driven belt filters
- Belt tracking/driving system maintains belt position in filter for continuous engagement

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## STEB-D



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