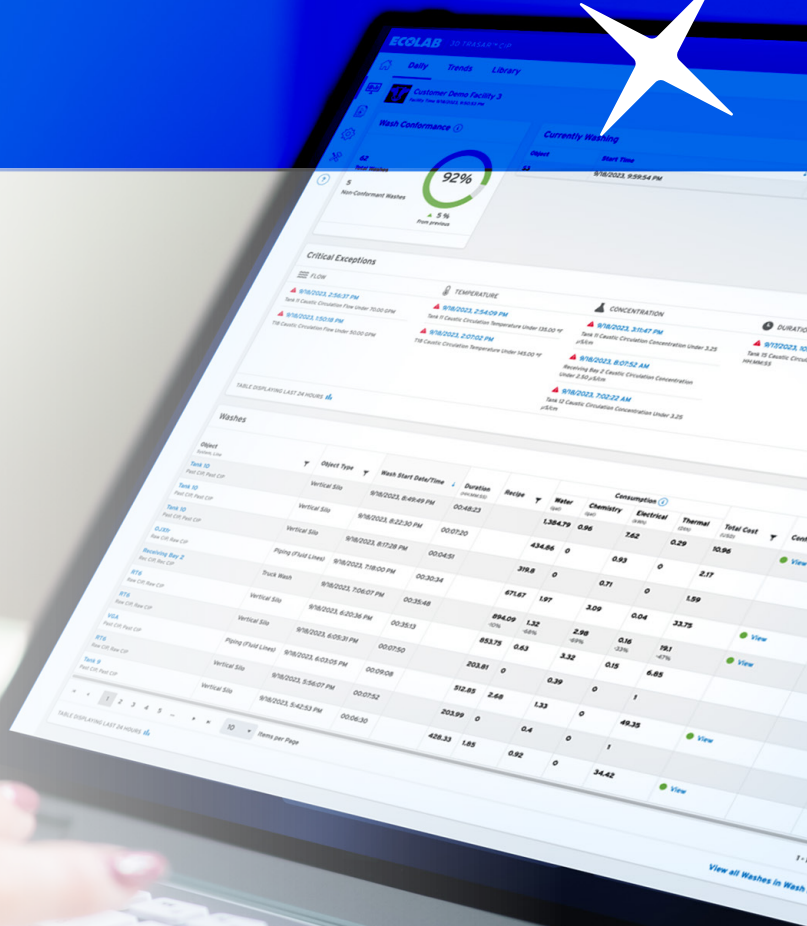


Ecolab® CIP IQ™

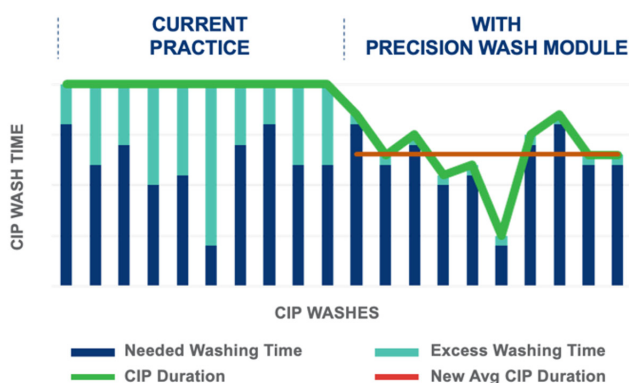
Right-time soil load data powers optimized CIP wash cycles

Introducing Ecolab® Precise Wash, an AI-enhanced module within the Ecolab® CIP IQ™ solution that helps dairy processors dynamically optimize the duration of their CIP washes.



Washes driven by hard data, not guesswork.

Using real time soil data from advanced turbidity sensors, the Precise Wash module helps you fine-tune every CIP wash – per line, per cycle. No more risk of under- or over-washing.



A thorough wash that maximizes both efficacy and efficiency

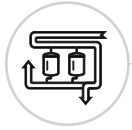
Precise Wash's AI-enhanced algorithms use data from advanced sensors to monitor the alkaline wash step and understand when soil is no longer actively being removed, which allows you to advance to the next step at the right time with the confidence that the wash was completed.

Bringing more value to your CIP IQ solution, activating the precise wash module includes:

- Turbidity sensors
- Smartbox data aggregator

Optimization in action

Identify Core Equipment



Focus on capacity-constrained lines and units

Install Turbidity Sensors



Collect new data on how much soil loads are suspended or being removed in the CIP wash solution

Generate CIP Wash Baseline



Gain a precise understanding of your system and unlock smarter, more efficient cleaning cycles

Deploy Precise Wash Module



Save time by optimizing CIP washes with real-time soil load data

Enjoy the Benefits of Streamlined CIP Washes



Easily visualize savings and optimizations through personalized charts, graphs, and reports

Precise Wash results when optimizing CIP alkaline washes*



\$28K - \$56K worth of additional annual production output¹



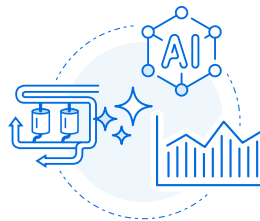
10 - 20% reduced alkaline wash time

Extending the power of Ecolab CIP IQ™

CIP IQ offers advanced modules that enhance operational visibility and optimize cleaning times, helping you boost production efficiency and throughput.

**Ecolab®
CIP IQ™**

Track Sanitation Standard Operating Procedures (SSOP), adherence and monitor CIP wash data to support compliance, quality, and sustainability efforts.



Precise Wash Module

Smarter CIP wash cycles, guided by your soil load data



Membrane Insights Module

Real-time visibility into membrane efficacy

Ready for a smarter CIP wash schedule powered by real-time data?

Contact your Ecolab representative today to learn more.

ecolab.com/precisewash

*Based on results from customer trials, which are specific to that individual customer when full Ecolab recommendations were implemented. Results will vary for other customers based on factors and circumstances in their operations.

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