

Liquid Routing Library

System 800xA application library for product routing and cleaning in place



A complete automated system for tanks and lines

Advanced 800xA digital library

Those working in the process industries today are experiencing ever-increasing demands. Not only are you asked to reduce schedules and costs, you must also maintain product quality, improve safety and raise productivity standards.

This is accompanied by pressure to provide operators with more relevant and up-to-date process information.

A robust digital solution

A vital step in your plant's digitalization journey, ABB Ability™ Liquid Routing Library is a scalable control engineering inventory designed to optimize routing and Cleaning in Place (CIP) functionality and reduce overall costs.

The library offers a wide range of ready-made objects including typicals and templates for product routing, recipe-based CIP, track and trace, preventive plant maintenance and Excel-based bulk data tools.

The innovative cross-industry application means the library can be employed wherever products are transported, stored or processed in tanks and lines. The industrial applications are wide-ranging, with optimization and cost-saving opportunities for facilities working in Dairy, Brewery, Sugar, Beverages, Edible Oil, Water, Chemicals, Pharmaceuticals, Paints or even Utilities.

So, for a fully customizable modular library that allows greater production visibility and transparency alongside enhanced safety, quality and reducing total costs, look no further.

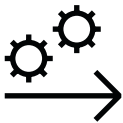
The benefits of a powerful library

Now you can extend the functionality of 800xA Operations with Liquid Routing Library operation tools



Higher product quality

- Developed under high quality assurance standards to ensure optimized cleaning timelines, better circuit cleaning and flexible recipe editing and deployment



Increased productivity

- Intuitive faceplates and feature-rich visualizations provide critical process information, so you make the right decisions fast



Improved safety

- Optimize business-critical food safety with CIP solutions and fine-tuning capabilities
- Monitor hazardous areas & maintain continuous operations



Operational efficiency

- Efficient maintenance thanks to micro diagnostics and optimal integration with System 800xA
- Improve operator effectiveness by up to 25%



Engineering efficiency

- Maximize plant operability – create the optimal balance between flexibility and standardization
- Reduce project-specific library development by up to 80% and project-specific software requirements by up to 60%



Reduced time to market

- Build solutions faster with object-oriented architecture and template-driven engineering
- Reduce commissioning time by 25%



Maintenance & risk management

- Full lifecycle upgrades and maintenance from ABB
- Simplified remote support for minimized risk to plant production



Reduced total cost of ownership

- Ensure lower costs across production with lean development cycles, engineering efficiency and operator flexibility.



Preventive plant maintenance

- Continuous equipment monitoring and process recording



Optimize every process

The Liquid Routing Library's efficient software modules and process objects are built with ABB know-how, leveraging decades of cross-industry process experience

Key features

Advanced product routing

Efficiently engineer your plant through outstanding standardized functions, re-use capabilities and templates.

Reduced complexity during liquid transfer

A seamless interface reduces operator errors.

Cleaning in place (CIP)

A complete CIP station solution and robust recipe editor for shorter cleaning times, enhanced performance and optimized cleaning materials, for an overall reduction in environmental impact.

Track and trace

Ensure compliance with international standards and improve food safety monitoring with the Liquid Routing Library control software.

Template objects

Significantly reduce your application development by taking advantage of built-in templates for process units and pre-defined application code. Template objects can be further developed in application specific libraries according to your project requirements.

Process object library

Reduce additional development overheads with the process object library for motors, valves and signals.

Intuitive operator interface

Liquid Routing library provides a streamlined environment for reliable control. The dynamic, easy-to-use interface gives operators access to the whole plant and different layers of information.

Flexible control

Plug-and-play control modules supports easy scaling, future modifications and control scheme replication.

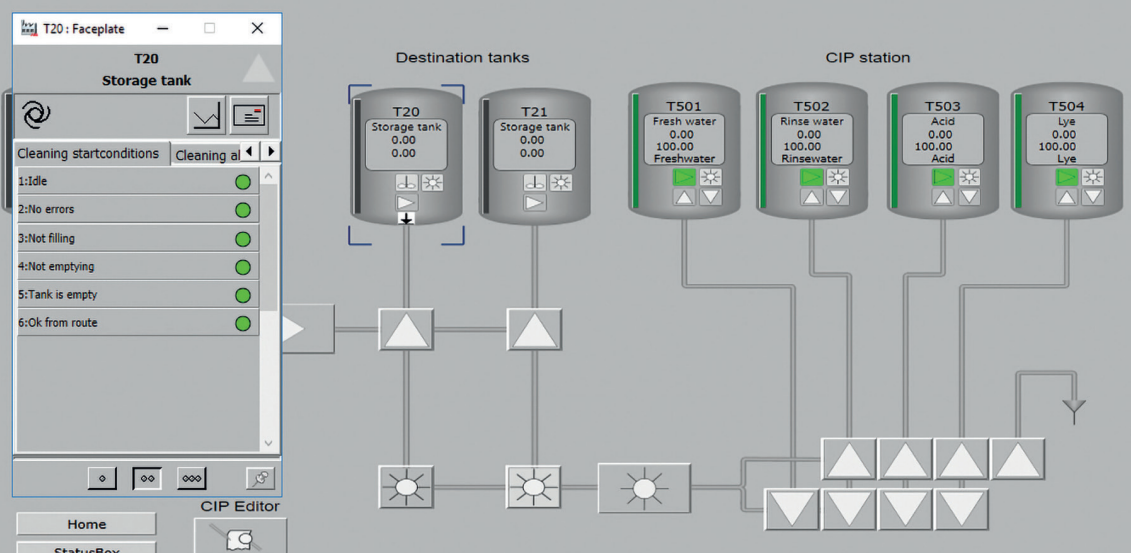
Optimal alarm reporting

Improve focus on process, make faster, better decisions and improve overall process and equipment availability.

Methodology and guidelines

Access online help from any faceplate to guide operation of any library object.

User manuals with configuration data provide in-depth feature information. Quick reference guides and examples available in the ABB Library.





Talk to us

Running routing and cleaning in place operations has never been so easy, cost-effective and efficient. And it's all backed by ABB's deep domain expertise

To explore what the Liquid Routing Library could do for your plant, and to access a demo, please contact your local sales team.

For more information about Liquid Routing Library:
campaign.abb.com/liquidrouting

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