

TECHNICAL DATA SHEET

QH FLUIDCONTROL™ WSC 5 CONTROLLER FOR CAN WASHING SYSTEMS

An aluminum beverage can washer needs to provide precise monitoring of the different pre-treatment stages to ensure accurate additions of process fluids into the different stages. These fluid dosages must be performed in a continuous way and are linked to the volume of beverage cans produced.

Our QH FLUIDCONTROL™ WSC 5 is an equipment innovation designed by Quaker Houghton to support our can forming customers.

The QH FLUIDCONTROL™ WSC 5 will continuously measure, using the latest sensor technology, the different process parameters.

Based on the measurements, the 5 treatment fluids are added in a consistent and continuous way to ensure a stable and reliable production process.

The QH FLUIDCONTROL™ WSC 5 has a rinse water management extension compared to the QH FLUIDCONTROL™ WSC 3.

The rinse water quality is measured with 4 extra sensors to prevent quality issues due to rinse water deterioration. This function also allows to reduce rinse water consumption if the quality of the rinse sections is within specification. This reduces consumption of water and waste water by your washer. Conventional sensors need regular technical support to ensure they remain reliable. They are also very expensive and have a limited lifetime. We have solved this issue by developing our own measurement and sensor technology that does not need regular technical support, expensive probes or long-term maintenance contracts.

The new Quaker Houghton sensor-technology allows your operators to run the process without need for frequent electrode replacements and visits by suppliers for calibration and maintenance.

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

The Benefits

- Reliable dosage of 5 process fluids into your aluminium can washer
- Accurate concentration measurement
- Robust and maintenance-free concept
- Accurate consumption visualization per product (gram/1000 cans + kg)
- Remote access for instant assistance by Quaker Houghton expert
- Cost effective electrodes are used
- No requirement for costly maintenance contracts
- QH FLUIDTREND™ software solution: instant remote assistance with connection to all process data
- Rinse water quality control
- Reduction of waste water and water consumption



QH FLUIDCONTROL™ WSC 5

CONTROLLER FOR CAN WASHING SYSTEMS

Applications

The QH FLUIDCONTROL™ WSC 5 is a fully automated measurement and dosing unit for the addition of up to 5 Quaker Houghton process fluids into an aluminum beverage can washer.

Included in QH FLUIDCONTROL™ WSC 5

The QH FLUIDCONTROL™ WSC 5 includes following units

- A central control unit with large touchscreen at the washer
- 3 high precision concentration sensors
- 4 accurate rinse water sensors
- Bypass sensor-booster unit for the most accurate measurement
- 2 pump units with 5 pumps and control switches
- 5 suction pipes (with level detection) for IBC containers
- High quality Teflon flexible pipes
- 5 injection dosing valves for mounting on your washer
- 4 outputs for water management on the washer
- Assistance of our process experts for a fast start-up
- QH FLUIDTREND™ – Software solution for fluid data analysis and control
- All components are chemically resistant to our process fluids

Our Focus

Our new concept provides you:

- Reliable and accurate measurement technology
- Improved measurement capabilities compared to conventional immersion sensors
- Maintenance free sensors
- No need for calibration of sensors and probes
- No need for frequent exchange of expensive sensors
- Waste water and water consumption reduction

Options

Following options are available in this concept:

QH FLUIDCONTROL™ WSC 3: Accurate can washer controller

QH FLUIDCONTROL™ WSC 5: Additional integration of extra sensors in the rinse stages

QH FLUIDCONTROL™ WSC 8: Additional integration of extra sensors in the rinse stages plus chlorine measurement and dosage technology

SMART DAYTANK: Smart reliable system to feed QH FLUIDCONTROL™ while preventing running on empty IBC



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