

# TECHNICAL DATA SHEET

## QH FLUIDCONTROL™ WSC 3 CONTROLLER FOR CAN WASHING SYSTEMS

An aluminium beverage can washer needs to provide precise monitoring of the different pre-treatment stages to ensure accurate additions of process fluids into them. These fluid dosages must be performed in a continuous way and are linked to the volume of beverage cans produced. Our QH FLUIDCONTROL™ WSC 3 is an equipment innovation designed by Quaker Houghton to support our can forming customers.

The QH FLUIDCONTROL™ WSC 3 will continuously measure the different process parameters, using the latest sensor technology. Based on the measurements, the 5 treatment fluids are added in a consistent and continuous way to ensure a stable and reliable production process. To achieve the highest accuracy, the sensors are installed in our bypass sensor-boost units. 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 the need for frequent electrode replacements and visits by suppliers for calibration and maintenance.

### Applications

The QH FLUIDCONTROL™ WSC 3 is a fully automated measurement and dosing unit for the addition of up to 5 Quaker Houghton fluids into an aluminium beverage can washer.



### 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 experts
- Cost effective electrodes are used
- No need for expensive maintenance contracts
- QH FLUIDTREND™ software solution: instant remote assistance with connection to all process data

### 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.

### 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



# QH FLUIDCONTROL™ WSC 3

## CONTROLLER FOR CAN WASHING SYSTEMS

### Included in QH FLUIDCONTROL™ WSC 3

The QH FLUIDCONTROL™ WSC 3 includes following units:

- A central control unit with large touchscreen at the washer
- 3 high precision concentration 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
- Assistance of our process experts for a fast start-up
- QH FLUIDTREND™ software solution – Industry 4.0 package
- All components are chemically resistant to our process fluids

### Consumption Control

An optimum aluminium beverage can washer has a very precise consumption of process fluids. Our QH FLUIDCONTROL™ WSC 3 is equipped with an accurate and good visualization of each fluid consumption. Total consumption is presented for each product and for each stage. This section has been extended with:

- Consumption per product in “mL product/1000 cans”
- Presentation of each consumption during the last 6 shifts

This option allows you to see if your washer is working in the most optimum conditions and it allows you to immediately detect unusual consumption for reducing cost and increasing productivity.

### 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



All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.

