

RinseTek RT-10 – rinse water control kit

Specifically designed for the electroplating/metal plating industry, using proven technology for efficient rinse water control

Key features and benefits

- Saves up to 80% water usage
- Maintains optimum water quality by automatically replacing the minimum amount of clean water as required
- Waste water contains set levels of chemical contamination thus minimises waste water storage requirement
- Simplifies waste water treatment
- Pays for itself in as little as 90 days, depending on throughput volume
- It meters water usage by individual swill
- Extremely safe and reliable 24v BURKERT solenoid operation
- Its own independent “BUBBLER” ensures water circulation where tank aeration is not used
- Unique “BUBBLE GUARD” design ensures accuracy of measurement where aeration is used
- Angled design to eliminate snagging of product
- Pre-wired for simple installation With universal tank fitting kit, no drilling required
- “AUTOFILL” tank feature allows programmable tank fill to be completed automatically without supervision
- Low maintenance probe ideally suited to purpose
- Automatic contaminated water alarm



The RT-10 is a complete rinse water control system kit including everything required to control the rinse water in a single swill tank

RinseTek RT-10 – rinse water control kit

Product description



Simple Installation

CONTROL

The conductivity in the swill tank of a counterflow rinse system is used as the control parameter, and Solumetrix® have developed their own low cost electrodeless conductivity sensor specifically for this purpose. This sensor is unique in having an integral SMT electronics package which ensures accurate temperature compensated conductivity measurement.

The specially designed polypropylene encapsulated conductivity sensor is used to measure the concentration of chemical contamination in the rinse tank, and a rugged solenoid valve is used to regulate the flow of water.

The control unit allows the user to set a level of conductivity related to the required concentration of carry-in process chemical.



RinseTek RT-10 sensor

MAXIMUM ACCURACY WITH MINIMUM MAINTENANCE

Electrodeless conductivity technology is used because of its inherent accuracy and stability, with the added advantage that there is no requirement for cleaning or maintenance of the sensor.

EASY TO FIT - SIMPLE TO USE

The sensor is designed to fit any depth and shape of rinse tank straight from the box. It is manufactured in high-temperature polypropylene and clamps to the side of the tank so there's no need to drill any holes.

The sensor fits by the tank outflow and incorporates a built-in air pump to ensure a constant flow of water through the sensor, ensuring a rapid response to changes in carry-in and water entry changes in chemical concentration.



Burkert water control valve/flow-meter module

FLOW MEASUREMENT

The RinseTek allows the volume of rinse water used to be measured with an integrated digital flow meter.

The system uses low voltage 24vac power (transformer included) to operate the controller and solenoid valve, so that the maximum safety benefits can be gained from use in the plating environment.

THE COMPLETE KIT IN A BOX

With no installation costs* and up to 80% water reduction, RinseTek RT-10 can pay for itself within 90 working days**

The RT-10 is a complete rinse water control system kit including everything required to control the rinse water in a single swill tank:

- Control unit (and power transformer) in IP65 rated cabinet enclosure
- Conductivity sensor
- Water control valve/flow-meter module (specially selected Burkert solenoid valve) - see above.
- With no installation costs and up to 80% water reduction, RinseTek RT-10 can pay for itself within 90 working days*
- Pre-wired plug 'push fit' connection cables

PDF DOCUMENTATION:

[RinseTek user guide](#)

[Water control valve in RT-10 kit](#)

[Water pressure control unit and booster pump](#)

[Water Saving in The Plating Industry \(Article\)](#)

[UK Independent Study](#)



RinseTek RT-10 Control Unit



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* Inlet pipe needs to be cut to fit valve assembly **Based on average usage and water consumption.