

# LIQUID CONTROLS (AUST.) PTY LTD

## Rinse Tank Water Control System

*The RinseTek RT-10 - Rinse Water Control Kit* has been specifically designed for the Electroplating/Metal Plating Industry, using proven technology for efficient rinse water control.



### *Easy to fit - Simple to Use*

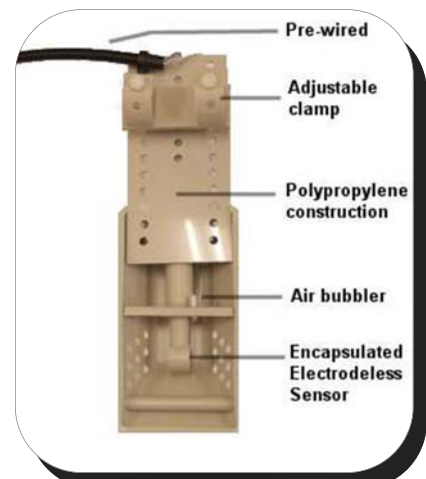
The sensor is designed to fit any depth and shape of rinse tank straight from the box. It is manufactured in high-temperature polypropylene and clamps to the side of any tank so there's no need to drill any holes. The sensor fits by the tank outflow and incorporates a built-in air pump to ensure a constant flow of water through the sensor, ensuring a rapid response to changes in carry-in and water entry changes in chemical concentration.

### *Control*

The conductivity in the swirl tank of a counterflow rinse system is used as the control parameter, and the low cost, electrodeless conductivity sensor is specifically developed for this purpose. The sensor in this unique electronics package 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.

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.



## ***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.



## ***Complete Kit***



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

Includes:

- \* Control unit (and power transformer) in IP65 rated cabinet enclosure.
- \* Conductivity Sensor.
- \* Water control valve / flow-meter module.
- \* Pre-wired plug 'push fit' connection cables.

## ***Key Features and Benefits***

- ◆ Saves up to 80% water usage.
- ◆ Maintains optimum water quality by automatically replacing the minimum amount of clean water required.
- ◆ Waste water contains set levels of chemical contamination thus minimizing waste water storage requirement.
- ◆ It measures water usage by individual swill.
- ◆ 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.

Unit 3, 1 Quist Crt  
Dandenong Vic 3175 Australia

[www.liquidcontrols.com.au](http://www.liquidcontrols.com.au)

Telephone : +61 3 9794 7066  
Fax : +61 3 9794 0641