

CONTROLSTIK II™ SYSTEM

Dual Range Heavy Duty Rinse Tank Control System



Model 597
IP65/NEMA 4X

Cuts Water Consumption up to 85%

024-1
Solenoid Valve

STIK

FEATURES:

- IP65 / NEMA 4X Rating
Water and Corrosion Resistant Enclosure
- 316 Stainless Steel Hardware
- Reliable Solid-State Electronics
- Automatic Temperature Compensation to 25°C/77°F up to 82°C/180°F
- Valve features Anti-Hammer Closing and Conduit Connector, Adjustable Flow Control, and Manual Override

WHAT IT DOES

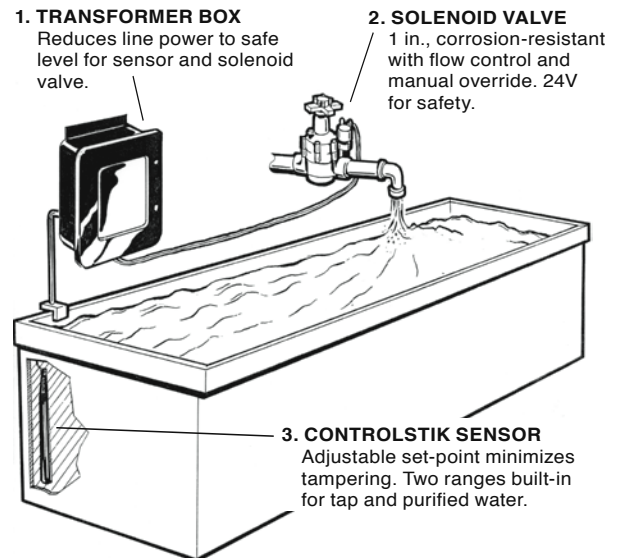
The Myron L CONTROLSTIK II Rinse Tank System dramatically reduces the amount of water used in continuous flow rinse tanks. At the same time, it automatically maintains optimum water purity, ensuring effective rinsing.

HOW IT WORKS

The three parts of the CONTROLSTIK II System are easily installed. The CONTROLSTIK II (conductivity sensor) is set at a tolerable contamination level and submerged in the tank. Water cannot flow into the tank until drag-in from rinsed parts causes the contamination level in the tank to rise above the pre-set point. The CONTROLSTIK II (sensor) then signals the solenoid valve to open, adding fresh water. As soon as this fresh water dilutes the contamination to the tolerable pre-set level, the CONTROLSTIK II (sensor) closes the valve.

APPLICATIONS:

- *Continuous-flow rinse tanks*
- *Circuit board manufacturing*
- *Electroplating*
- *Wastewater*
- *Plus many more!*



**MYRON L
COMPANY**
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

SPECIFICATIONS

TRANSFORMER BOX

Input Power	Choice of 110 or 220 VAC, 50/60 Hz; Automatic voltage regulation insures operation of the systems from 105-125V or 210-250V respectively.
Output	24 volts @ 600 mA AC
Maximum Power Consumption	@ 117V: 12 watts (103 milliamps)
Enclosure	IP65/NEMA 4X fiberglass case with gasket and 316 stainless steel hardware.
Lights	LEDs indicate POWER (red) and VALVE (yellow)
Electrical Installation	Either HARDWIRE with 5/8 in. conduit; or PLUG-IN with 8 ft./2,4 meter, 18 ga. 3-conductor plug. (supplied with 110V systems only)
Mounting	Flange on enclosure for easy wall mounting
Dimensions	184 H x 197 W x 127 D mm/ 7.25 H x 7.75 W x 5 D in.

CONTROLSTIK SENSOR

Ranges	5-500 micromhos (for high quality water); 500-5000 micromhos (for normal tap water)
Power	1 volt AC (from transformer box)
On-Off Span	Approximately 5% of setpoint
Temperature Compensation	Automatic to 25°C/77°F up to 82°C/180°F
Materials	Epoxy and 316 stainless steel
Cable	10 ft./3 meter 22 ga., 4-conductor, vinyl jacketed
Installation	Corrosion-proof ABS bracket supplied
Dimensions	304 L x 25 Dia. mm/12 L x 1 Dia. in.

SOLENOID VALVE

Size	1 in. NPT normally closed; compatible with plastic or metal piping
Power	24 volts @ 200 mA AC (from transformer box)
Materials	Body: glass reinforced nylon; Diaphragm: nylon reinforced BUNA N synthetic rubber All exposed metal: stainless steel
Operating Pressure	10-100 psi / 0,69-6,90 bar
Miscellaneous	Adjustable flow control; manual override; anti-hammer closing; conduit connector

ENGINEERING SPECIFICATIONS

Rinse water usage shall be minimized by means of automatic conductivity control systems. They shall consist of a temperature compensated conductivity sensor, corrosion resistant one-inch solenoid valve, and transformer box which safely reduces line power to the sensor. Enclosure shall be fiberglass with heavy rubber gasket and 316 stainless steel. Circuitry shall be solid-state, and unaffected by changes in voltage. Setpoint adjustment shall be on sensor to minimize tampering. Rinse tank controls shall be Myron L Model 597 or approved equal.

LIMITED WARRANTY

Myron L CONTROLSTIK II Systems have a Two (2) Year Limited Warranty. If this system fails to function normally, return the faulty unit or the system to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge. A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of the units of the CONTROLSTIK II System only. The Myron L Company assumes no other responsibility or liability.

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Built On Trust. Founded in 1957, the Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

