The W900 Series has all the features of the W6000 controller plus:

• Four I/O slots allow complete flexibility in adding additional sensors and analog outputs
• Up to 8 sensor inputs
• Up to 24 analog inputs
• Up to 16 analog outputs
• 12 digital inputs
• Eight relay control outputs

The VTouch solution allows service companies to more effectively manage remote accounts by significantly reducing the complexity associated with the deployment of water treatment service programs around communicating products.

The VTouch Account Manager is fully synchronized with Walchem’s web-based controllers: the W600 and W900, as well as legacy models, making setup and configuration simple and fast. Just connect the VTouch-enabled controller to the Internet through an Ethernet connection to a LAN or cellular gateway, and the controller data is sent to your VTouch account.

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W900 Series

THE NEXT GENERATION OF POWERFUL CONTROL

Enjoy unparalleled versatility and powerful programming for complete control of chemical metering pumps and valves in a broad range of water treatment applications.

Sensors + Accessories

High quality accessories for cooling tower, boiler, potable water, and wastewater applications

Carefully designed accessories and selective compatibility with our pumps and controllers to enable our customers to provide a complete system solution. Here is just a sampling of the sensors and accessories available from Walchem:

Water Treatment Controllers

Disinfection Sensors

Amperometric disinfection sensors offer a cost effective and reliable solution to your disinfection control requirements. We offer sensors, in varying ranges of concentrations, for free chlorine, monochloramine, dichloramine, ozone, and hypochlorite periods. Whether the application is cooling tower, food and beverage, drinking water, wastewater or in-process, these sensors are the ideal solution.

Fluorimeters

The Little Dipper® Fluorescence fluorimeters are rugged, 24/7 sampling devices that provide continuous monitoring of chlorine dioxide and iodine and exhibit sunlight reliability. They can be used with data collection systems to monitor and control the level of treatment chemicals for cooling tower and boiler applications. The handheld Little Dipper is a small, lightweight and highly durable fluorimeter ideal for quick measurements in the field.

Contacting Conductivity Sensors

Contacting conductivity sensors are ideal for use in cooling towers and boiler applications, as well as other high-conductivity and other non-oily applications. A variety of cell constants are available to tolerate a range of conductivities.

pH/ORP Sensors

Cost-effective differential pH/ORP applications for industrial and municipal applications.

Copper/Nickel Sensors

Copper/Nickel Sensors are optoelectronic on-line analyzers designed for the chemical industries and metals processing industries. These cell constant independent select two-wire reed switch, or a solid state, three-wire Hall-effect sensor.

Water Meters

Walchem's WiFi Series water meters have earned a reputation for design simplicity, wide range of applications and accuracy in low-quality water. The WiFi Series now includes a variety of remote chemical control applications, which have been validated in the field for over 20 years. These meters are available with either a two-wire mod bus, or a solid state, three-wire Hall-effect sensor.

WALCHEM Metering Pumps

The E-Class is the most innovation and comprehensive series of metering pumps on the market. Our line of pump experience and commitment to superior performance has led to development of many industry firsts, including BRS strobe type motor technology, and the world's highest capacity standard metering pump.

Accessories

For your complete system, Walchem provides high quality accessories that are required for cooling tower, boiler, potable water, and wastewater applications. Our customer service team is dedicated to ensuring that our customers have everything they need to operate their business. We provide high quality tank monitoring, alarm, and communication accessories to ensure compatibility with our pumps and controllers to enable our customers to provide a complete system solution.

Walchem integrates its advanced sensing, instrumentation, fluid handling and communications technologies to deliver reliable and innovation solutions to the global water treatment market.

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit walchem.com.

Walchem, Iwaki America Inc. | Five Boynton Road Hopping Brook Park | Holliston, MA 01746 USA | Phone: 508-429-1110 | www.walchem.com
The W100 Series Controllers provide an economical and reliable way to keep your water treatment program under control.

- Large display with icon-based programming makes setup easy
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- The third control relay allows the controller to be used in more places than other entry level products
- Optional analog (4-20 mA) output for recording, datalogging, proportional control or connection to building energy management systems
- Wall-mount package for easy installation
- Complete flexibility in the function of each relay

For Cooling Tower or Boiler Applications:
- Blown on conductivity
- Blown time proportional to makeup water volume
- Boiler blowdown on conductivity using intermittent sampling
- Feed in proportion to blown time
- Time proportional to makeup water volume
- Feed as a percent of elapsed time
- Biocide timer with pre-bled and post-feed bleed lockout options

For General Conductivity, pH, ORP, and Disinfection Applications:
- Pulse Proportional Control
- Pulse Proportional Control (when purchased with 4-20mA or pulse solid-state opto outputs)
- In-range or Out-of-range activation
- Probe wash timer
- Timer-based activation
- Biocide timer with pre-bled and post-feed bleed lockout options
- Biocide timer with pre-bled and post-feed bleed lockout options

For Cooling Tower/Boiler Control + Metal Finishing + Printed Circuit Board + Irrigation + Fertigation

- Four control outputs
- Two virtual Inputs that are calculated from two real inputs

The W100 Series controller plus:
- Combination Sensor Input and Analog Input board that add even more flexibility
- Lead/Lag control of up to 6 relays
- Probe Wash Timer

The W600 Series Controllers provide powerful programming and complete control in a broad range of water treatment applications.

- Large touchscreen display
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- Economical wall-mount package for easy installation
- On-screen and web page graphing of sensor values and control output status
- Complete flexibility in the function of each relay
- Datalogging
- Emailing Alarm messages, Datalog reports or System Summary reports
- Ethernet option for remote access via the Internet, LAN or Modbus/TCP

The W600 Series has all the features of the W100 Series controller plus:
- Combination Sensor Input and Analog Input board that add even more flexibility
- Lead/Lag control of up to 6 relays
- Probe Wash Timer

The W600 Series Copper Nickel Controllers have all the features of the W600 Series plus:
- Two sensor input slots provide extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Copper or Nickel plus pH
- Dual analog inputs for any 4-20 mA transmitter
- Universal analytical sensor card for pH/ORP, conductivity or disinfection
- Combination analog input and analytical sensor input
- Two virtual inputs that are calculated from two real inputs or one input and a constant
- Six control outputs allow the controller to be used in more applications
- Plating Control (on/off with totalizing as metal turnovers)
- Plating Controller (activate with another relay)
- Flow Timer
- Lead/Lag control of up to 8 relays
- On-screen and web page graphing of sensor values and control output status

Typical Applications for W900/W600/W100 Controllers
Wastewater Neutralization + Disinfection | RO Systems
Food and Beverage Disinfection | Potable Water Treatment | Swimming Pools + Spas
Cooling Tower/Boiler Control | Metal Finishing | Printed Circuit Board | Irrigation + Fertilization
W100 Series

The W100 Series Controllers provide an economical and reliable way to keep your water treatment program under control.

- Large display with icon-based programming makes setup easy
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- The third control relay allows the controller to be used in more places than other entry level products
- Optional analog (4-20 mA) output for recording, datalogging, proportional control or connection to building energy management systems
- Wall-mount package for easy installation
- Complete flexibility in the function of each relay

For Cooling Tower or Boiler Applications:
- Bled on conductivity
- Bled time proportional to makeup water volume
- Boiler blowdown on conductivity using intermittent sampling
- Feed in proportion to bleed time
- Feed time proportional to makeup water volume
- Feed as a percent of elapsed time
- Biocide timer with pre-bleed and post-feed bleed lockout options
- Optional analog (4-20 mA) output for recording, datalogging, alarming, datalogging, and complete control in a broad range of water treatment applications.

For General Conductivity, pH, ORP, and Disinfection Applications:
- Time Proportional Control
- Pulse Proportional Control (when purchased with 4-20mA or pulse solid-state opto outputs)
- In-range or Out-of-range activation
- Probe wash timer
- Timer-based activation
- Activation based upon the state of a contact closure
- Timer activation triggered by a Water Contactor or Paddlewheel flow meter's accumulated total flow
- Activate with other output
- Alarm
- PID Control (when purchased with 4-20mA or pulse solid-state opto outputs)
- Probe Wash Timer

W600 Series

The W600 Series Controllers provide powerful programming and complete control in a broad range of water treatment applications.

- Large touchscreen display
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- Economical wall-mount package for easy installation
- On-screen and web page graphing of sensor values and control output status
- Complete flexibility in the function of each relay
- Datalogging
- Emailing Alarm messages, Datalog reports or System Summary reports
- On-screen and web page graphing of sensor values and complete control in a broad range of water treatment applications.

The W600 Series has all the features of the W100 Series controller plus:

- Combination Sensor Input and Analog Input board that add even more flexibility
- Lead/Lag control of up to 6 relays
- Time Proportional Control
- Six control outputs allow the controller to be used in more applications
- Two Virtual Inputs that are calculated from two real inputs
- Ethernet option for remote access via the Internet, LAN or Modbus/TCP
- Two pH/ORP models for use with non-amplified electrodes or without BNC connector
- Same flexibility of each relay as the wall mount W100 controllers

W600 Series Metal Finishing

The W600 Series Copper Nickel Controllers have all the features of the W600 Series plus:

- Two sensor input slots provide extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Copper or Nickel plus pH
- Dual analog inputs for any 4-20 mA transmitter
- Universal analytical sensor card for pH/ORP, conductivity or disinfection
- Combination analog input and analytical sensor input
- Two virtual inputs that are calculated from two real inputs or one input and a constant
- Six control outputs that are calculated from two real inputs or one input and a constant
- Feed time proportional to makeup water volume
- Biocide timer with pre-bleed and post-feed bleed lockout options
- Optional dual analog (4-20 mA) input for Fluorometers or nearly any other process
- Pulse Proportional Control
- Optional analog (4-20 mA) output for recording, datalogging, alarming, datalogging, and complete control in a broad range of water treatment applications.

Typical Applications for W900/W600/W100 Controllers

- Wastewater Neutralization + Disinfection
- RO Systems
- Food and Beverage Disinfection
- Potable Water Treatment
- Swimming Pools + Spas
- Cooling Tower/Boiler Control | Metal Finishing + Printed Circuit Board
- Irrigation + Fertigation

W100P Panel Mount Controller Features:

- Compact 1/4 DIN panel mount enclosure
- Universal sensor input; conductivity (contacting and electrodeless), amplified pH/ORP, or disinfection
- Four control outputs
- Two pH/ORP models for use with non-amplified electrodes with or without BNC connector
- Same flexibility of each relay as the wall mount W100 controllers

W600 Series Cu/Ni Controllers

Provide reliable, flexible and powerful control for your electrolytic plating or etching process.
The W100 Series Controllers provide an economical and reliable way to keep your water treatment program under control.

- Large display with icon-based programming makes setup easy
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- The third control relay allows the controller to be used in more places than other entry level products
- Optional analog (4-20 mA) output for recording, datalogging, proportional control or connection to building energy management systems
- Wall-mount package for easy installation
- Complete flexibility in the function of each relay

For Cooling Tower or Boiler Applications:
- Blown on conductivity
- Blown time proportional to makeup water volume
- Boiler blowdown on conductivity using intermittent sampling
- Feed in proportion to blown time
- Feed time proportional to makeup water volume
- Feed as a percent of shipped time
- Biocide timer with pre-bled and post-feed bleed lockout options

For General Conductivity, pH, ORP, and Disinfection Applications:
- Time Proportional Control
- Pulse Proportional Control (when purchased with 4-20mA or pulse solid-state opto outputs)
- In-range or Out-of-range activation
- Probe wash timer
- Time-based activation
- Activation based upon the state of a contact closure
- Timed activation triggered by a Water Contactor or Paddlewheel flow meter’s accumulated total flow
- Activate with other output
- Alarms
- PID Control (when purchased with 4-20mA or pulse solid-state opto outputs)
- Probe Wash Timer

The W600 Series Controllers provide powerful programming and complete control in a broad range of water treatment applications.

- Large touchscreen display
- Universal sensor input provides extraordinary flexibility; the same controller can be used with almost any type of sensor needed
- Multiple language support allows simple setup
- Economical wall-mount package for easy installation
- On-screen and web page graphing of sensor values and control output status
- Complete flexibility in the function of each relay
- Datalogging
- Emailing Alarm messages, Datalog reports or System Summary reports
- Ethernet option for remote access via the Internet, LAN or Modbus/TCP

Typical Applications for W900/W600/W100 Controllers

Wastewater Neutralization + Disinfection | RO Systems
Food and Beverage Disinfection | Potable Water Treatment | Swimming Pools + Spas
Cooling Tower/Boiler Control | Metal Finishing + Printed Circuit Board | Irrigation + Fertilization

W600 Series Cu/Ni Controllers provide reliable, flexible and powerful control for your electropolishing or etching process
Sensors + Accessories

High quality accessories for cooling tower, boiler, potable water, and wastewater applications

The W900 Series

The W900 Series has all the features of the W600 Series controller plus:

- Four I/O slots allow complete flexibility in adding additional sensors and analog outputs
- Up to 8 sensor inputs
- Up to 24 analog inputs
- Up to 16 analog outputs
- 12 digital inputs
- Eight relay control outputs

W900 Series
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Enjoy unparalleled versatility and powerful programming for complete control of chemical metering pumps and valves in a broad range of water treatment applications.

VTouch® Remote Account Manager

VTouch is a collection of technologies designed for companies offering managed water treatment services. The VT Touch solution allows service companies to more effectively manage remote accounts by significantly reducing the complexities associated with the deployment of water treatment service programs based on cloud computing products.

VTouch Account Manager is fully synchronized with Walchem’s web-based controllers: the W600 and W900, as well as legacy models, making set-up and configuration simple and fast. Just connect the VTouch-enabled controller to the Internet through an Ethernet connection to a LAN or cellular gateway, and the controller data is sent to your VTouch account.

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Disinfection Sensors
Amperometric sensors offer a cost effective and reliable solution to your disinfection control requirements. We offer sensors, in varying ranges of concentrations, for free chlorine/bromine, total chlorine, chlorine dioxide, ozone, and hydrogen peroxide. Whether the application is cooling tower, food and beverage, drinking water, wastewater or recirculating process, these sensors are the ideal solution.

Fluorimeters
The Little Dipper II and Pyxis in-line Fluorimeters are rugged, 24/7 sampling sensors that provide real-time monitoring and control of corrosion-resistant and salt-resistant materials. They can be used with data collection systems to monitor and control the level of treatment chemicals for cooling tower and boiler applications. The hand-held Little Dipper is a small, lightweight and highly durable fluorimeter ideal for quick measurements in the field.

Contacting Conductivity Sensors
Contacting conductivity sensors are ideal for use in cooling towers and boilers and other water treatment applications. They are available for direct in-tank sampling, or immersion of copper or nickel ions.

Copper/Nickel Sensors
Copper/Nickel Sensors are optoelectronic on-line analyzers designed to monitor copper and nickel concentrations in a wide range of water treatment applications. These sensors offer a cost effective and reliable solution for monitoring solutions, or flow-through sensors that are designed for use in harsh environments.

Water Meters
Walchem’s WFM series water meters have earned a reputation for design simplicity, wide range of applications and accuracy in low-quality water. The WFM series uses the rotary vane, magnetic meter principle, which has been in use for many years. These meters are available with either a two-wire lead switch, or a solid state, three-wire Hall-effect sensor.

Water Treatment Controllers
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