

WATER QUALITY STATION

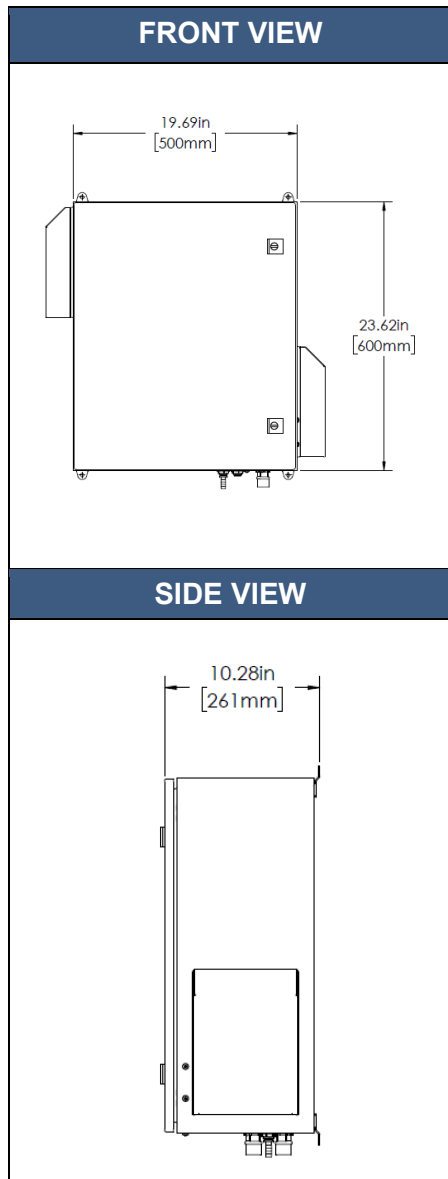
The Water Quality Station (WQS) is a panel containing advanced water chemistry sensors for managing residual levels in the distribution system. The WQS continuously samples and monitors residual, pH, ORP, and temperature inside storage tanks (as a minimum) and provides real-time alerts when there are unexpected changes in water quality.

The WQS is a panel of advanced sensors that analyze the water chemistry inside your tank to provide:

- Real-time data on water temperature, pH, ORP, and chlorine (as a minimum)
- Alarm notifications when there are unexpected changes in water chemistry
- Remote monitoring of water quality in the distribution system (SCADA compatible)



WATER QUALITY STATION™ SPECIFICATIONS		
Parameters	Total/ Free Chlorine Sensor(s)	<p>Amperometric reagentless online sensor</p> <p>Measuring range: 0-20 PPM</p> <p>Resolution: 0.01 PPM</p> <p>1-point calibration</p> <p>Automatic temperature compensation</p>
	Temperature	<p>Measuring range: 0-45°C (33-113°F)</p> <p>Resolution: 0.1°</p>
	pH	<p>Automatic temperature compensation</p> <p>Measuring range: 0-14</p> <p>Resolution: 0.01</p> <p>3-point calibration</p>
	ORP	<p>Measuring range: 0-1000 mV</p> <p>Resolution: 0.1 mV</p> <p>2-point calibration</p>
Operating Temperature		0-45°C (33-113°F)
Storage Temperature		<p>Panel without Cl Sensor: 0 to 45°C (33 to 113°F)</p> <p>Chlorine Sensor: 5-40°C (41 to 104°F) dry and without electrolyte</p> <p>Electrolyte Gel: 5-25°C (41 to 77°F)</p>
Max Operating Pressure		30 psi (with retaining ring)
Sampling and Discharge Flow Rate		Preferred value is 10 GPH (0.17 GPM or 0.63 LPM) Continuous



WATER QUALITY STATION SPECIFICATIONS	
HMI	3.8" LCD Touch Screen
Flow Control	Adjustable regulator valve
Flow Verification	Flowmeter
Power Requirements	100-240 VAC, 50/60 Hz, 118 Watts, 0.86 PF
Water Connection	3/8" Push-connect
Connectivity	RS-485 connection with Smart Control Center
Weight	Approximately 45 lbs (20kg)
Enclosure	24"H x 20" W x " D, powder-coated carbon steel Equal to or greater than NEMA Type 3R
Data Logging	Real-time data acquisition on USB Flash Drive of process variables every 30 seconds and alarms on occurrence
SCADA	8 Configurable Analog Outputs (4-20 mA) <ul style="list-style-type: none"> • Chlorine Probe 1 • Chlorine Probe 2 • Sample Temp • Sample Flow • ORP • pH

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