



The GF 4632 Chlorine Dioxide Analyzer System is an integrated all-in-one system designed to measure Chlorine Dioxide residual up to 2 ppm/mg/l.

The unique integrated clear flow cell accommodates the Chlorine Dioxide and optional pH electrode, flow regulator, filter and variable area flow indicator in one compact unit. An integrated flow regulator with removable filter accepts inlet pressures of 1 to 8 bar (15 to 120 psi), while maintaining constant flow and minimal pressure to the sensors.

Water flows vertically into sensor tip eliminating bubble entrapment. The flow cell is designed to maintain a minimum amount of water to ensure sensors stay submerged, even when the system and flow is turned off.

The 4632 Chlorine Dioxide Analyzer System comes complete with everything needed to support chlorine monitoring for 1 full year of operation. Panel design allows quick and easy installation and comes complete with four 4 to 20 mA outputs, flow switch with relay interrupt, four binary inputs and two mechanical relays. The 9950-3 can also be used with the optional 3-9950.395-M (159 001 905) Modbus Module.

Features

- Reagent free measuring
- Chemical Guard, prevents over dosing of oxidants chemicals
- Built in flow switch
- Chlorine Dioxide and pH electrode performance data (optional pH)
- Automatic time stamp after successful calibration
- Customer enabled alarm feature for re-calibrate
- Complete panel system allows for quick and easy installation
- Built-in flow regulator maintains constant flow and pressure to the sensors regardless of inlet pressure



Applications

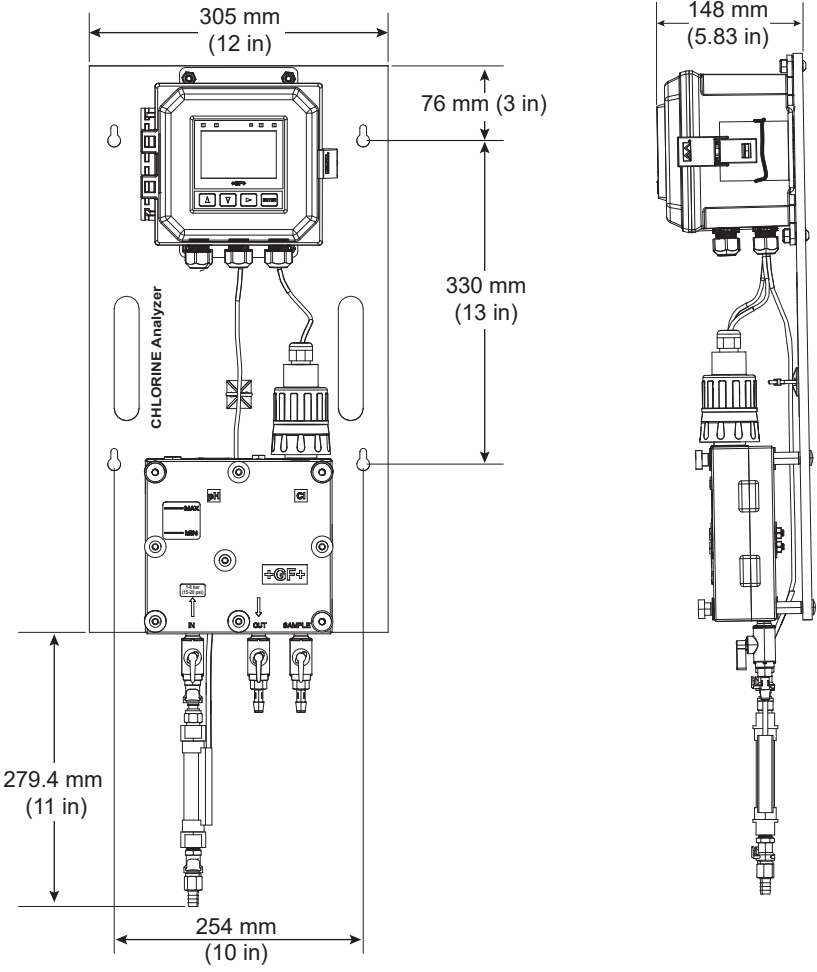
Residual Chlorine Monitoring:

- Cooling Towers
- Fruit and Vegetable Washing
- Water Distribution
- Wastewater Odor Control
- Poultry and Meat Processing
- UPW Treatment
- Hospital and Healthcare Facilities

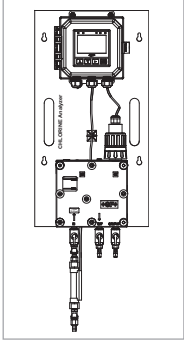
Specifications

General		
Compatible	3-2632-1 Chlorine Dioxide Electrode, 0.02 to 2 ppm / 3-2650-7 Amperometric Electronics	
Materials		
Panel	Black Acrylic	
Flow Cell	Acrylic	
Wiring Enclosure	Polycarbonate	
Wetted Materials		
Flow Cell		
Flow Cell, Spacer Rings	Acrylic	
Flow Regulator Housing	Polycarbonate	
Strainer, E-clip, Regulator Spring, Float	Stainless Steel	
Valves, Vent	Polypropylene	
Flow Cell O-rings, Diaphragm	EPR (EPDM), FKM	
Chlorine Electrode	PVC, PTFE, FKM, Nylon, Silicone	
pH Electrode	PPS, Glass, UHMWPE, FKM	
Flow Switch	Polypropylene	
Sealing Tape on Valves, Plug and Vent	PTFE	
Plug	Polyethylene	
Max. Temperature/Pressure Rating		
System Inlet Pressure Rating	1 to 8 bar	15 to 120 psi
Pressure Regulator	< 0.69 bar (10 psi) variation over all ranges of flow and pressure	
Flow Tolerance	± 15% or rated specification above	
Flow Rate Limits	30.24 to 45.36 LPH	8 to 12 gph (US)
Storage Temperature	0 °C to 65 °C	32 °F to 149 °F
Operating Temperature	0 °C to 45 °C	32 °F to 113 °F
Electrical		
DC Input (standard)	24 VDC nominal (12 to 32 VDC, ± 10% regulated)	
Environmental		
Relative Humidity	0 to 95%	
Maximum Altitude	4000 m (13,123 ft)	
Enclosure	NEMA 4X (with output wire glands sealed)	
Shipping Weight		
	10 kg	22 lb
Standards and Approvals		
	CE, UL, CUL, FCC, WEEE	
	China RoHS	
	Manufactured under ISO 9001, ISO 14001, and ISO 45001	

Dimensions



Ordering Information



Mfr. Part No.	Code	Description
3-4632-12	159 001 952	Chlorine Dioxide Panel, 0.02 to 2 ppm/mg/l, no pH sensor
3-4632-13	159 001 958	Chlorine Dioxide Panel, 0.02 to 2 ppm/mg/l, with pH sensor

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
3-9950-3	159 001 954	Chlorine Controller, with 4 to 20 mA output and Relay Module
3-9950-5	159 001 956	Chlorine Monitor, no relays or output modules
3-2632-1	159 001 767	Chlorine Dioxide Electrode, 0.02 to 2 ppm (mg/L)
3-2650-7	159 001 670	Chlorine - In-line Amperometric Electronics, digital (S ³ L), 4.6 m (15 ft) cable
3-2724-00	159 001 545	pH Electrode, Flat Glass, Pt1000 Temp Element, 3/4 in. MNPT
3-2751-7	159 001 957	pH - In-line Electronics, digital (S ³ L) , 4.6 m (15 ft) cable
3-4630.390	159 001 688	Rebuild Kit: O-rings, boots, screws, 1 filter screen
3-4630.391	159 001 689	Pressure Regulator with 1 spare filter screen
3-4630.392	159 001 690	Acrylic Flow Cell Complete with all components and connections
3-2632.391	159 310 160	Chlorine Dioxide Electrolyte, 30 mL (2) bottles
3-2632.398	159 310 165	Chlorine Dioxide Maintenance Kit - (2) electrolyte, (2) PTFE membranes, (2) silicone bands, and polishing paper
3-2630.394	159 310 164	Free Chlorine and Chlorine Dioxide Replacement PTFE membrane (1)

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