

Since 1992, Chemical Injection Technologies has been setting the standard for excellence, supplying technologically advanced SUPERIOR™ brand Gas Chlorinators, Sulfonators, Ammoniators, VacuFeed liquid chemical feed systems, cutting edge instrumentation with SUPERIOR™ AutoValve, ULTRA™ chlorine residual analyzers, as well as user and system friendly accessories, SUPERIOR™ manifolds, Vacuum Alarm Switches, Ton Container Adaptors, Safe-T-Close™ valve actuators, and SUPERIOR™ ChlorClear & more.

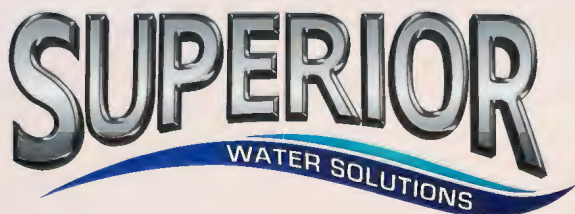


SUPERIOR experience is your best choice.

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## SUPERIOR™ Ton Container Adapter

The SUPERIOR™ TCA-1, Universal Chlorine Ton Container Adapter is an accessory favorite with operators for installations that use ton cylinders. The easy fit and easy access make use and maintenance so much easier for operators.



Our unique design helps prevent liquid chlorine from entering the gas system and prevents impurities from building up in the chlorinator inlet areas. SUPERIOR safety. Superior design with superior, ultra thick coating keeps your SUPERIOR™ Ton Container Adapter at work. Safe, strong, efficient. Protect your equipment.

## SUPERIOR™ ChlorClear Eductor Tube Evacuator

The ChlorClear™ device is designed to evacuate (remove) liquid Chlorine which may be trapped in the UPPER Eductor Tube of a Chlorine Ton Container prior to changing containers. ChlorClear™ prevents liquid Chlorine from getting into a gas chlorination system, when a new Ton Container is brought into service. Liquid Chlorine can damage some brands of chlorination equipment & leave behind impurities. ChlorClear™ prevents that liquid damage potential. For Chlorine with Ton Containers, you want ChlorClear™.



## SUPERIOR™ ULTRA EZ

The ULTRA Series EZ-1 is the handheld chlorine colorimeter from the company you trust. The best portable, travel friendly, chlorine colorimeter. Determine your Free chlorine or Total chlorine residuals in the field, in the lab, or at any sampling point within your water treatment path. SUPERIOR ULTRA EZ DPD reagent pillow packs are compatible with most powdered DPD units, at a much better price! Keep accuracy. Save money. A custom design, made for tough conditions, ULTRA EZ is waterproof, dirt proof, and ready to go.



Get to know us! Find out more about our products & our commitment to your satisfaction. [www.chlorinators.com](http://www.chlorinators.com).

## SUPERIOR™ ULTRA

SUPERIOR™ ULTRA is a full line of amperometric chlorine residual analyzers. Choose Free Chlorine, Total Chlorine, or Free and Total Chlorine for your application. ULTRA has a custom modular design, tailor fit to your system with capacitive touchscreen controls. Real time data displays with an easy to use, onscreen menu. Multilingual use in English, Spanish, and French. ULTRA's modular design lets you easily add auxillary devices. From the company you trust comes the best chlorine residual analyzer and process controller. SUPERIOR™ continues to develop new technology to keep you ahead and your customers satisfied.



## SUPERIOR™ Floor Cabinets

The unique design of the Superior™ Floor Cabinet houses equipment components of capacities up to 10,000PPD with a versatile, modular design. A rigid, tubular fiberglass frame gives secure mounting. Components requiring operator interface have 360° access for easy adjustments, maintenance, & service. The SUPERIOR™ Floor Cabinet can house virtually all instrumentation and mechanical devices.



## SUPERIOR™ PRODUCTS

- Gas Chlorinator, Sulfonator, Ammoniator
- AutoValve Automatic Flow Proportioning, Compound Loop, and Residual Control Valves
- Custom Manifolds
- Safe-T-Close™ Valve Actuator
- Gas Detector
- SUPERIOR™ ULTRA EZ Handheld Chlorine Colorimeter
- Free & Total Chlorine Residual Analyzers
- Ton Container Adapter
- ChlorClear™ Eductor Tube Evacuator
- Automatic Switchover Systems for Cl<sub>2</sub>, SO<sub>2</sub>, & NH<sub>3</sub>
- Switchover Module
- VacuFeed Liquid Chemical Feed System
- Hi/Low Automatic Vacuum Alarm Monitoring System
- Floor Cabinets
- A full line of Superior Accessories
- Exciting new products are in development!

# SUPERIOR

WATER SOLUTIONS



The Solution  
to Water &  
Wastewater Treatment



### **SUPERIOR™ Gas Chlorinators**

The SUPERIOR™ Gas Chlorinator is considered the champion of gas chlorinators. The vacuum-safe, user friendly, easy maintenance SUPERIOR™ Gas Chlorinator mounts directly on a chlorine cylinder valve. Chlorine feed rate is manually adjusted. A number of automatic flow rate control devices can be easily added to your system. Modular design makes it easy and cost effective to expand or upgrade the system.



SUPERIOR™ Gas Chlorinators are available for feed rates of 0.8PPD-10,000PPD (15g/hr-200kg/hr).

Our ejector is even the favorite of our competition! The ejector assembly, made with extra heavy ejector diffuser threads, contains a dual backflow check valve system to prevent pressurized water from entering the SUPERIOR™ chlorinator, sulfonator, or ammoniator you have chosen for your application.

### **SUPERIOR™ Switchover Gas Chlorinators**

The SUPERIOR™ Automatic Switchover Gas Chlorinator Series is a state of the art, totally vacuum operated system. The Series 16-1016 (100PPD-10,000PPD, 2kg/hr-200kg/hr), is designed to automatically switch chlorine feed from an emptied cylinder to a full cylinder. Each vacuum regulator contains its own built in latching switchover mechanism. One vacuum regulator is "latched" into standby mode, while one regulator is in the operating mode, feeding chlorine or another gas appropriate to your system. Another switchover choice is to use the SUPERIOR™ Automatic Modular Switchover system, with a wall mounted, vacuum operated switchover module connected to your two vacuum regulators. A SUPERIOR™ Automatic Switchover system, whether latching or modular, allows round-the-clock chlorination, without being concerned about running out of chlorine when the system is unattended.



### **SUPERIOR™ Gas Sulfonators**

The SUPERIOR™ Gas Sulfonator is a vacuum operated, venturi feed type gas injection system which mounts directly on a sulfur dioxide cylinder valve. Sulfur dioxide feed rate is manually adjusted using the SUPERIOR™ close coupled meter panel or remote meter panel, whichever is easiest and best for your installation. SUPERIOR™ Gas Sulfonators are the easy answer for dechlorination needs and are also specified within the food and beverage industry. With the same top quality operational design and features of industry leading SUPERIOR™ Gas Chlorinators, the SUPERIOR™ Gas Sulfonator utilizes materials of construction that handle wet, dry, or liquid SO2 with no interruption in service.



### **SUPERIOR™ Gas Ammoniators**

The SUPERIOR™ Gas Ammoniator also has vacuum safe design and maintains all the superior features you have come to expect. SUPERIOR™ Gas Ammoniators are the first choice when chloramine treatment is needed. User friendly, with easy maintenance and high confidence. Superior safety and efficiency equal total user satisfaction and lower operating cost. Ammonia resistant materials are used in the SUPERIOR™ Gas Ammoniator while retaining all of the design and safety features of the Gold Standard, SUPERIOR™! If you prefer a liquid feed system for ammonia, the SUPERIOR™ VacuFeed for aqueous ammonia is your answer. No off gassing! Installations and field tests continue to run perfectly!



### **SUPERIOR™ High Capacity Systems**

The SUPERIOR™ High Capacity Series is unique, using "Sonic" gas flow regulating system that replaces outdated differential pressure regulators, reducing the number of parts and significantly increasing reliability. Available feed rates for 1000PPD-10,000PPD (20kg/hr-200kg/hr).

### **SUPERIOR™ Automatic Modular Switchover**

This switchover module is even the favorite of our competition! Allows for uninterrupted, round-the-clock water and wastewater treatment.



### **SUPERIOR™ VacuFeed X™ Liquid Feed Systems**

The future is now for precision liquid feed. SUPERIOR™, the name you trust for safety, brings you VacuFeed-X (U.S. Patent No. 7,032,609). Tired of problems with mechanical feed pumps? Say hello to Vacu-Feed X™. VacuFeed-X, the vacuum safe liquid feed system. Self priming and will not lose prime, even with negative inlet head pressures, VacuFeed-X gives you a consistent, high accuracy liquid feed rate, repeatable in start/stop operations. Our design insures high efficiency mixing and eliminates any possibility of air binding. There are no moving parts, which translates into virtually maintenance free, easy service and low operating cost.



VacuFeed-X is compatible with Sodium Hypochlorite, Calcium Hypochlorite, Sodium Bisulfite, and Aqueous Ammonia and is available for feed rates to 500gph (1900lph). Higher capacities are also available for your custom application. Now, you can be Superior...with Liquid!!



### **SUPERIOR™ AutoValve**

Take control of the system. SUPERIOR™ AutoValve is a microprocessor based device for automatically controlling the feed rate of chlorine, sulphur dioxide, and ammonia, and is available for automatic residual, flow proportioning, and compound loop control, using process water flow rate, residual setpoint, or a combination of those parameters.



Operators and users swear by SUPERIOR™ AutoValve. "It's bulletproof!". The easy to follow digital menu is designed to be user friendly, and it is! The SUPERIOR™ AutoValve is the only automatic control valve with all three control modes already built into the controller, so there is no need for additional modules. Quick to set up and simple to use and maintain, just ask any user!

### **SUPERIOR™ VacuFeed with AutoValve**

VacuFeed is also available built with an AutoValve in any of 3 automatic control modes:  Chlorine Residual Compound Loop.  Flow Proportioning. SUPERIOR Control With LIQUID!  
VacuFeed 500gph (Feed rates of up to 5gph, to 500gph (20lph-2000lph). SUPERIOR Safe. Reliable. Count on it.



### **SUPERIOR™ SLD Gas Detector**

The SUPERIOR™ Gas Detector features cutting edge technology that detects and records chlorine, sulfur dioxide, ammonia, and ozone gases. Password protection provides SUPERIOR security. The high capacity memory event alarm log records up to 250 events, along with the date and time of each event. The data log can be downloaded from the optional serial port. Knowledge is power.



The SUPERIOR™ Gas Detector offers SUPERIOR monitoring at levels far below the thresholds of human awareness. A stentorian, loud, 95 decibel internal alarm horn alerts personnel, with the sensor's recovering quickly when the gas has cleared. A keypad with green LED backlight allows for easy reading in any light. Two different gas sensor channels can be used for the same gas for two different locations...or can be used for two different gases, any two of chlorine, sulfur dioxide, ammonia, or ozone. Also available, an optional RS232 serial port for downloading data.

### **SUPERIOR™ Safe T Close™**

#### **Automatic Valve Actuator**

SUPERIOR™ has a reputation for safe, user-friendly equipment. Safe T Close™ valve actuator closes or opens the valve of a gas cylinder or ton container. No special tools or adapters necessary. Operates by remote control from leak detector, PLC, relay signal, panic button, or other ancillary device, SUPERIOR™ Safe T Close™ has its own internal battery charger and relays for individual close confirmation. No annual calibration or service required. Cost effective safety with Safe T Close™.



### **SUPERIOR™ For Peristaltic Chemical Feed Pumps**

SUPERIOR™ now offers peristaltic chemical feed pumps to fit a variety of treatment setups. From the most basic requirements to more demanding interactions with process control systems, these chemical feed pumps will easily and consistently handle the job. Built with NEMA 4X protection for indoor/outdoor use, plus with a quick lead time!



**Today is your day to do more.**  
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