



Series 800 Chlorine and Sulfur Dioxide Systems

- 3-Year Limited Warranty
- Hastelloy-C Inlet Adapters
- Solid Machined PVC Constructed

Hydro Instruments has been manufacturing the highest quality gas chlorination and sulfonation equipment since 1978. Now Hydro Instruments also offers this popular and proven design as a reliable and economical alternative for lower capacity gas feed systems. The **Series 800** offers feed rates up to 100 PPD (2 kg/hr) with automatic switchover option available.

Quality

Hydro Instruments continually strives to produce the longest lasting and most reliable gas chlorination and sulfonation equipment on the market. We believe that this means using only the highest quality materials and most rugged designs. To avoid cracking, our body parts are **machined from solid PVC and designed with heavy wall thickness**. For maximum durability and corrosion resistance our **inlet adapters are constructed of Hastelloy-C** and our **yoke assemblies are protected by the finest Epoxy Powder Coating**.

Safety

For Hydro, safety is the highest concern. Here are two points that set us apart from the competition:

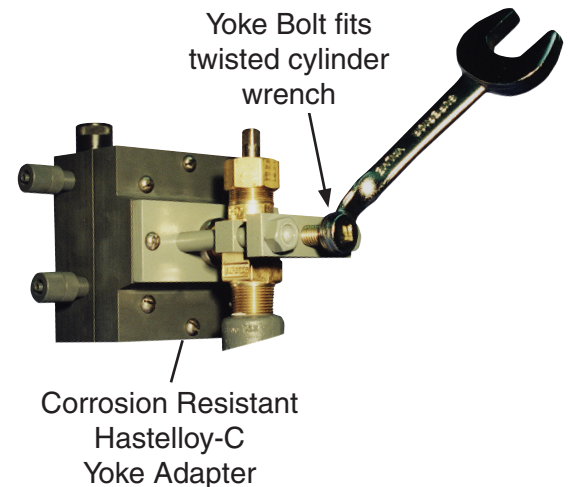
1. Our rugged design and highest quality machined parts maximize safety by avoiding cracks and corrosion.
2. At Hydro Instruments a skilled technician follows a rigorous testing procedure for each and every vacuum regulator.

Convenience

Design: Hydro has designed the vacuum regulator yokes so that a **twisted cylinder wrench** can be used for both the cylinder and vacuum regulator. One of these wrenches is provided with each vacuum regulator purchased from Hydro. (See photo at right.)

Repairs: Hydro equipment is designed with **fewer parts** and our assemblies are designed to be easily repaired without special tools.

Service: We provide our top quality parts at reasonable prices and **always keep all parts in stock**. Also, **expedited service is the norm with Hydro**; most orders ship the same day and we never charge expediting fees.



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Technical Data

Model Information Code

Model 8 C

Gas

- C - Chlorine
- S - Sulfur Dioxide

Vacuum Regulator Mounting

- 1 - Direct cylinder or manifold mounted with rate valve
- 3 - Direct cylinder or manifold mounted with remote mounted meter panel with rate valve
- 5 - Two direct cylinder or manifold mounted vacuum regulators, automatic switchover module, and remote mounted meter panel with rate valve

Available Gas Flowmeters

- 3 - 4 ppd (75 g/h)
- 4 - 10 ppd (200 g/h)
- 5 - 25 ppd (0.5 kg/h)
- 6 - 50 ppd (0.9 kg/h)
- 7 - 100 ppd (2.0 kg/h)

Accuracy: within 4% of maximum flowmeter capacity

Operating Range: 20:1, manual

Operating Temperature: Ejector, 35°F to 120°F;
Other components, -20°F to 120°F

Back Pressure: Maximum back pressure at point of application for a standard ejector is 140 psig. For pressures greater than 140 psig, consult factory.

Tubing Connections: 3/8" vacuum and vent

Represented by

Installation Packages

Standard Supplied Equipment with Each Available Model

Model	
8__1C	<ul style="list-style-type: none"> (1) one vacuum regulator with gas flowmeter, rate valve and chlorine supply indicator (1) one ejector/diffuser assembly 25' (8m) 3/8" vacuum and vent tubing (1) one vent outlet screen (1) one Standard Installation and Spare Parts Kit
8__3C	<ul style="list-style-type: none"> (1) one vacuum regulator with gas flowmeter and chlorine supply indicator (no rate valve) (1) one remote mounted meter panel with gas flowmeter and rate valve (1) one ejector/diffuser assembly 25' (8m) 3/8" vacuum and vent tubing (1) one vent outlet screen (1) one Standard Installation and Spare Parts Kit
8__5C	<ul style="list-style-type: none"> (2) two vacuum regulators with gas flowmeters and chlorine supply indicators (no rate valves) (1) one automatic switchover module, vacuum operated (1) one remote mounted meter panel with gas flowmeter and rate valve (1) one ejector/diffuser assembly 25' (8m) 3/8" vacuum and vent tubing (2) two vent outlet screens (1) one Standard Installation and Spare Parts Kit

Standard Installation and Spare Parts Kit (included with all of above models)

- (10) ten #GAH-LED-111 lead gaskets
- (1) one Twisted cylinder wrench
- (1) one Ammonia bottle for checking connections
- (2) two #GAH-BUN-106 nozzle gaskets
- (1) one #GAH-VIT-122 ejector seat
- (1) one #VRH-455-500 replacement filter
- (1) one Operation and Maintenance Manual

Lifetime Warranty – Contact Factory for Details



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