

ENCHLOR

SERIES E9000 Gas Feed Systems

- Industrial Gas Feed for Chlorine, Sulfur Dioxide or Ammonia
- Internal Switchover Mechanism
- Hastelloy-C Inlet Valves
- Solid Machined PVC Construction

Enchlor Inc. has been manufacturing the highest quality water treatment equipment and instrumentation since 1978. The Enchlor Inc. Series E9000 gas feeders offer feed rate sizes from 4ppd to 500ppd. The Series E9000 offers multiple system configurations with internal automatic switchover, remote meters and cylinder or ton container mounting.

Construction

Enchlor Inc. 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. Fine silver and Hastalloy rate valve and inlet valve components provide long life and accurate control. All body parts are machine from solid stock to provide the most durable chlorinator available.



Internal Switchover

Each regulator is equipped with an internal switchover mechanism to automatically shift from standby to in-service upon depletion of the on-line cylinder. Each regulator has a status indicator to indicate standby or in-service operation. Each regulator incorporates a pressure relief (vent) valve with separate ports for gas feed and vent.

Economy

At last a high quality but economical chlorinator. Proof that quality and 'made in America' production does not need to be expensive.

Technical Data

Model Information Code

Model E9

Gas
C - Chlorine
S - Sulfur Dioxide
A - Ammonia

Vacuum Regulator Mounting
5 - Two direct cylinder or manifold mounted vacuum regulators and remote mounted meter panel with rate valve
6 - Two direct Ton mounted vacuum regulators and remote mounted meter panel with rate valve

Available Gas Rotometers

- 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)
- 8 - 250 ppd (5.0 kg/h)
- 9 - 500 ppd (10.0 kg/h)

Maximum Capacity

- 1 - 100ppd
- 2 - 250ppd
- 5 - 500ppd

Accuracy: within 4% of max rotometer capacity
Operating Range: 20:1, manual, 10:1 automatic

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

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

The Series E9000 Gas Feeders can be installed a few feet to several hundred feet from the ejector depending on the maximum feed rate and the diameter of the vacuum tubing or piping.

Feed Rate PPD	Kg/h	Length of Vacuum Tubing		
		100' (31m)	200' (61m)	500' (153m)
50	1	3/8"	3/8"	1/2"
100	2	3/8"	1/2"	1/2"
250	5	1/2"	5/8"	3/4"
500	10	5/8"	3/4"	1"

Ejector Connections Capacity

Capacity	Connection
100ppd	Nozzle 1" hose - 3/4" NPT combination Diffuser 1" hose - 3/4" NPT combination <i>available with #12,13,15 or 16 nozzle</i>
250ppd	Nozzle 1" hose - 3/4" NPT combination Diffuser 1" hose - 3/4" NPT combination <i>above available in #14 nozzle only</i>
250/500ppd	Nozzle 1-1/4" NPT Throat 1-1/4" NPT

Materials of Construction

ABS, PVC, polyethylene, tantalum, silver, Hastelloy-C, monel, viton and teflon

Maximum back pressure at point of application for standard ejectors (above) is 140psi. For higher pressures, consult factory.

All feed rate capacities shown in this bulletin are for chlorine. For sulfur dioxide, multiply each chlorine value by 0.95

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

- (10) ten #GAE-LED-111 lead gaskets
 - (1) one cylinder wrench
 - (1) one Ammonia bottle for checking connections
 - (2) two #ORE-VIT-121 nozzle O-rings
 - (1) one #GAE-VIT-122 ejector seat
 - (1) one #VRE-455-500 replacement filter
 - (1) one Operation and Maintenance Manual
- Lifetime Warranty – Contact Factory for Detail**

Represented by:

