SERIES E2000

Gas Feed Systems

- **Industrial Gas Feed for Chlorine, Sulfur Dioxide, Ammonia & Carbon Dioxide**
- **1 - Year Limited Warranty**
- **Hastelloy-C OR SILVE Inlet Valves**
- **Solid Machined PVC Construction OR ABS Injection**

Enchlor Inc. has been manufacturing the highest quality water treatment equipment and instrumentation since 1978. The Enchlor Inc. series E2000 gas feeder offer feed rate sizes from 0.6ppd to 500ppd. The Series E2000 offers multiple system configurations including 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.

Safety

All vacuum operation. Remote ejector and direct cylinder mounting insures the highest degree of operator safety.

Economy

We take into account that the quality is high as well as economical, and this has been achieved after the experience of manufacturing in Egypt with American technology .

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Technical Data

Model Information Code

Model E2

Gas
- C - Chlorine
- S - Sulfur Dioxide
- A - Ammonia
- CO2 - Carbon Dioxide

Vacuum Regulator Mounting
1 - Direct cylinder or manifold mounted with rate valve
2 - Ton mounted with rate valve
3 - Direct cylinder or manifold mounted with remote mounted meter panel with rate valve
4 - Ton mounted with remote meter
5 - Two direct cylinder or manifold mounted vacuum regulators, automatic switchover module, and remote mounted meter panel with rate valve
6 - Ton mounted with auto-switchhover

Available Gas Rotometers
1 - 0.6 ppd (12g/h)
2 - 1.5 ppd (28g/h)
3 - 4 ppd (75 g/h)
4 - 10 ppd (200 g/h)
5 - 25 ppd (0.5 kg/h)
6 - 50 ppd (1.0 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 E2000 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	Connection
100ppd	Nozzle 1" hose - 3/4" NPT combination Diffuser 1" hose - 3/4" NPT combination *available with #12,13,15 or 16 nozzle*
250ppd	Nozzle 1" hose - 3/4" NPT combination Diffuser 1" hose - 3/4" NPT combination *above available in #14 nozzle only*
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 #GAE-BUN-106 nozzle gaskets
(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

The manufacturing took place in Egypt under the manufacturing contract between us and the Water Technology Company in Egypt, through which it is requested

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