

RJ-2000® Emergency Chlorine Scrubber

Siemens Water Technologies offers a full range of emergency scrubbers for protection against accidental leaks of toxic gases such as chlorine, ammonia and sulfur dioxide.

RJ-2000® Emergency Scrubber

The patented RJ-2000® is the world's most popular emergency scrubber system. The patented process is designed to contain and neutralize chlorine vapors in response to a gas leak or catastrophic cylinder failure.

The RJ-2000® scrubber uses a unique horizontal flow path, with a proprietary caustic distribution network, to absorb better than 99.996% of the chlorine gas entering the scrubber, in a very compact footprint and low profile.

The RJ-2000® is the only emergency scrubber to have been tested by an independent, certified laboratory in a full 1-ton chlorine gas release. During this test, a catastrophic accident was stimulated with chlorine release rates of 100 lb/min. The scrubber saw inlet chlorine concentrations in excess of 500,000 ppm, and outlet concentrations less than 1 ppm, safely below the 5 ppm UFC limit.

How It Works

When a leak occurs, the pump and fan start automatically. The fan provides sufficient vacuum to contain the chlorine gas and deliver it to the scrubber. The pump circulates concentrated caustic solution over the scrubber packing to absorb virtually all of the chlorine gas.

The entire system is factory assembled and tested, for easy, "plug & play" installation.

The RJ-2000® scrubbers are also available to neutralize 2-tons or 3-tons of chlorine gas. Larger bulk systems can be provided for up to 100-tons of chlorine.

Standard Features

- Patented system
- Proven in independent testing under a catastrophic 1-ton chlorine gas release.
- Compact, low profile enables indoor installations
- Factory assembled for "plug & play" installation
- FRP Construction for optimum strength and corrosion resistance
- Siemens Service and Support

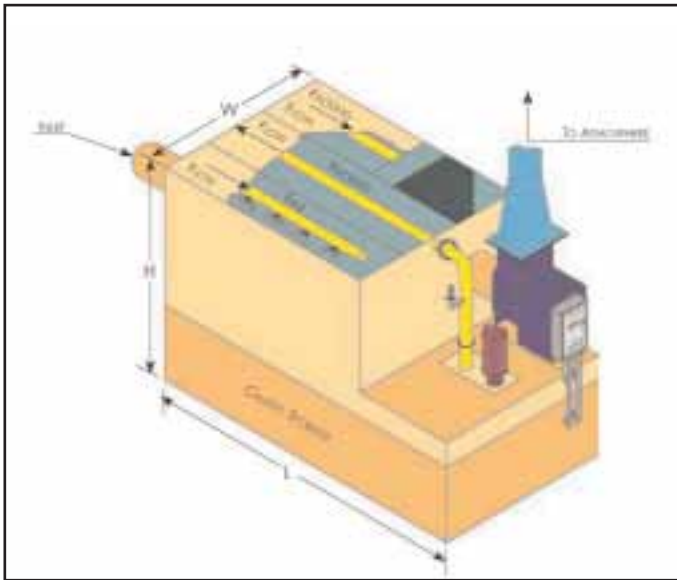


RJ-2000® Design Information

Design Capacity (tons)	Airflow Rate*	Caustic Volume	Dimensions LxWxH	Shipping Wt	Operating Wt	Pump Motor
	cfm <i>m³/h</i>	gallons <i>liters</i>	ft <i>mm</i>	lbs <i>kg</i>	lbs <i>kg</i>	HP <i>kW</i>
1	3,000	2,100	13.0 x 7.0 x 8.50	7,500	29,000	28
	5100	7950	3965 x 2135 x 2440	3400	13155	21
2	3,000	3,900	13.0 x 7.0 x 11.5	10,000	50,000	28
	5100	14800	3965 x 2135 x 3505	4535	22680	21
3	3,000	5,900	13.0 x 9.0 x 12.25	14,000	74,000	28
	5100	22350	3965 x 2745 x 3735	6350	33566	21

* Standard designs for 1500, 4000 and 5000 cfm also available.

Isometric Drawing



Siemens
Water Technologies
12316 World Trade Drive, Suite 100
San Diego, California 92128
Phone: 858-487-2200
E-Mail: odorcontrol.water@siemens.com

© 2008 Siemens Water Technologies Corp.
OC-RJ2000dr-DS-0408
Subject to change without prior notice.

The United States and Trademark Office has recognized the novelty of the design of the RJ 2000 with the award of two patents (U.S. Patent No. 5,518,696.

RJ 2000 is a Trademark of Siemens its subsidiaries or affiliates.

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.