



RJ-2000-C EMERGENCY CHLORINE SCRUBBER

Evoqua 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 RJ-2000® scrubber is the world's most popular emergency scrubber system. The 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 99.999% of the chlorine gas entering the scrubber, in a very compact footprint and low profile.

The RJ-2000 scrubber 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 simulation with chlorine release rates of 45 kg/min. The scrubber saw inlet chlorine concentrations in excess of 500,000 ppm, and outlet concentrations less than 1ppm, safely below the 5 ppm Uniform Fire Code 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 installation.

The RJ-2000-C scrubber has been designed to fit inside a 40-ft high cube shipping container, to facilitate shipment by ocean freight.

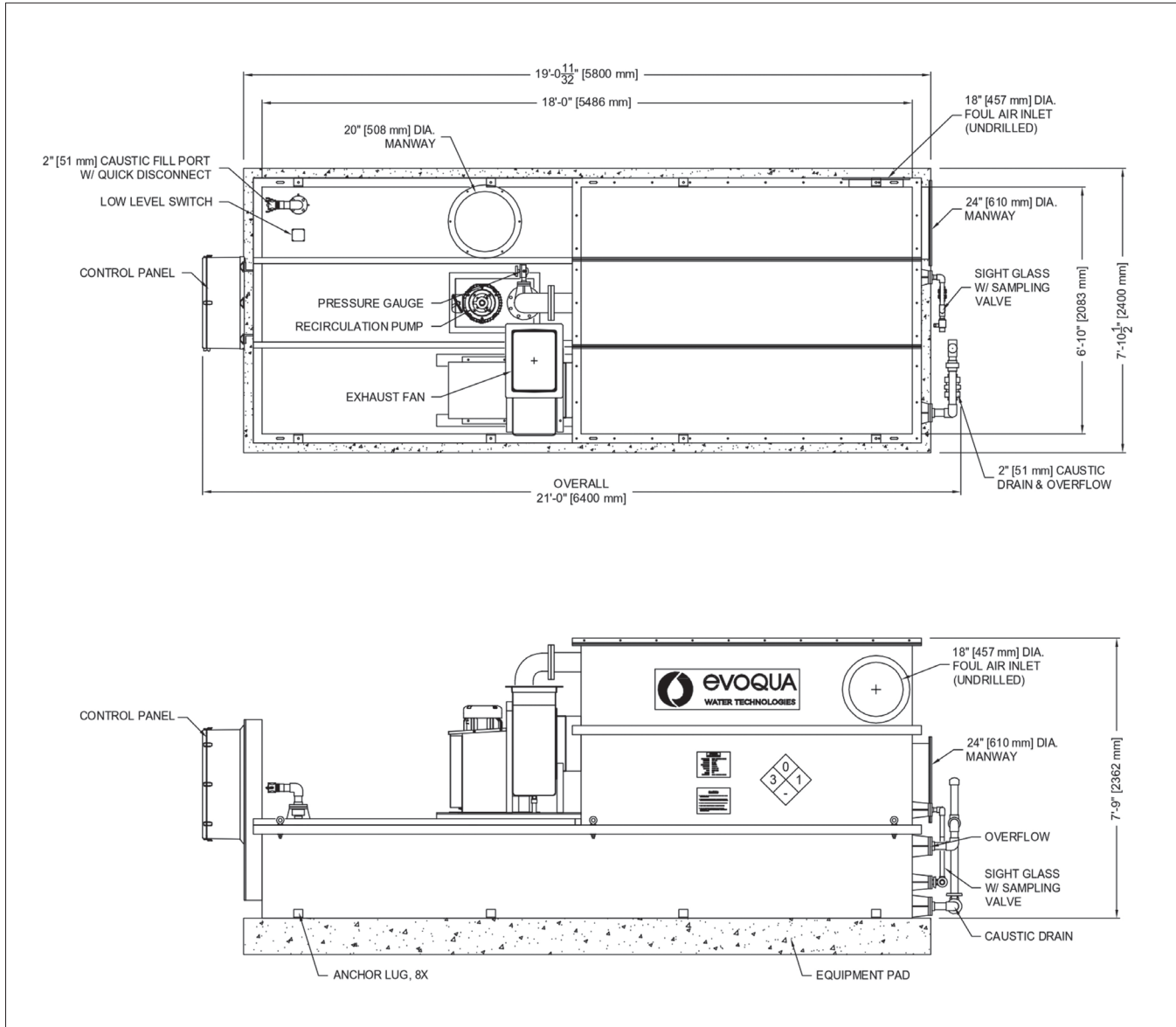
Standard Options

- Duty & standby recirculation pumps
- Duty & standby fans
- 6 Inlet orientation options
- Standard or custom instrumentation & controls
- Full range of 3-phase power voltage and hz options



RJ-2000-C SYSTEM DESIGN INFORMATION

Chlorine Capacity	Airflow Rate m ³ /h	Caustic Volume liters	Dimensions LxWxH mm	Shipping Wt kg	Operating Wt kg	Fan Motor kW	Pump Motor kW
1000 kg	5100	8000	6400 x 2312 x 2362	3700	13500	3.7	15



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