

# Technical Data Sheet

## Commercial Product Line

Single Cell System	SG5000
Manifold Systems	SGC-2, SGC-3, SGC-4, SGC-5, SGC-6 STORM-2, STORM-3, STORM-4, STORM-5, STORM-6
Control Interfaces	ORP/pH Interface, ORP/pH Controllers



## General Description

SGS COMMERCIAL PRODUCTS are designed to operate in the extreme conditions of commercial pump rooms, and under the most challenging water conditions. All SGS Systems are NSF and UL Certified.

The SG 5000 is a single cell, stand alone system, designed for use on small bodies of water (with minimal sanitizer demand), as well as spas (with less than a 2,500 gallon capacity). SGS recommends that ORP/pH controllers be used to optimize chlorinator efficiency as well as provide consistent chemical control of the body of water.

SGS Manifold systems are available in two Control Center configurations: the "SGC" Series, with multiple SG 5000 Control Centers, and the "STORM" Series that utilizes a single Control Center (both up to 6 cells). Both systems are shipped complete with the appropriate manifolds (including by-pass valves) and the ORP/pH interface. The manifold systems are available in 2 to 6 cell configurations, with chlorine productions from 4.6lbs to 13.8lbs per 24 hours. For larger projects, multiple manifold systems are available -- space and technology often play the largest role in deciding which system to choose. Proper sizing of a commercial system is paramount to achieve adequate sanitization of each commercial body of water. SGS recommends using the NSF recommended sizing of 3lbs per 10,000 gallons of water as a sanitization base point. As each project is unique, SGS recommends that all commercial projects be evaluated on an individual basis taking into consideration pool specifications, pool environment, engineering and regulatory requirements.



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Product Name	Head Loss @ 100gpm	Primary Voltage	Primary Amp Draw	Secondary Voltage	Secondary Amp Draw	Transformer (1,000 VAC)	Cells	Power Wire	Cell Wire
<b>Single Cell</b>									
SG 5000	3.71 FT H2O	220V / 110V	4.4A / 8.8A	9.4V	40A	1	1	12 / 3	8 / 3
<b>SGC Series</b>									
SGC-2	7.42 FT H2O	220V / 110V	8.8A / 17.6A	9.4V	80A	2	2	12 / 3	8 / 3
SGC-3	11.13 FT H2O	220V / 110V	13.2A / 26.4A	9.4V	120A	3	3	12 / 3	8 / 3
SGC-4	14.84 FT H2O	220V / 110V	17.6A / 35.2A	9.4V	160A	4	4	12 / 3	8 / 3
SGC-5	18.55 FT H2O	220V / 110V	22.0A / 44.0A	9.4V	200A	5	5	12 / 3	8 / 3
SGC-6	22.62 FT H2O	220V / 110V	26.4A / 52.8A	9.4V	240A	6	6	12 / 3	8 / 3
<b>Storm Series</b>									
Storm-2	7.42 FT H2O	220V / 110V	8.8A / 17.6A	9.4V	80A	2	2	12 / 3	8 / 3
Storm-3	11.13 FT H2O	220V / 110V	13.2A / 26.4A	9.4V	120A	3	3	12 / 3	8 / 3
Storm-4	14.84 FT H2O	220V / 110V	17.6A / 35.2A	9.4V	160A	4	4	12 / 3	8 / 3
Storm-5	18.55 FT H2O	220V / 110V	22.0A / 44.0A	9.4V	200A	5	5	12 / 3	8 / 3
Storm-6	22.62 FT H2O	220V / 110V	26.4A / 52.8A	9.4V	240A	6	6	12 / 3	8 / 3
<b>ORP/pH Interface</b>									
Product Name	Full Load Amps	Number of Poles	Coil Voltage	Line Voltage	Locked Rotar	Resistive Amps Rating	Maximum Horsepower		
							Voltage	Single Phase	
ORP/pH Interface	40	2	110	240/277	240	50	120	2	
				480	200	50	240	3	
				600	160	50			



Certified to NSF/ANSI Standard 50



Electrical Certified to UL 1081

