

**LISTED SYSTEM: Southern Aerobic Systems**

**MANUFACTURER: Southern Manufacturing**  
**P. O. Box 3615**  
**Port Arthur, Texas 77640**  
**(409) 962-4501**



**MOST RECENT LISTING DATE: 7/1/2002**

**APPROVED MODELS AND MATERIALS DESIGNATIONS:**

Model Number	Rated Capacity-Gallons/Day	Classification
SM500 - F, C	500	Class I
SM500 - 5X5 - F, C	500	Class I
SM500 - 5X8 - F, C	500	Class I
SM600 - F, C	600	Class I
SM750 - F, C	750	Class I
SM1000 - F, C	1000	Class I
SM1500 - F, C	1500	Class I

Suffix F denotes fiberglass tank  
Suffix C denotes concrete tank  
Suffix 5+5 denotes SM500 fiberglass tank with 564 gallon pre-treat and a 540 pump tank attached  
Suffix 5+8 denotes SM500 fiberglass tank with 564 gallon pre-treat and a 800 pump tank attached

**APPROVED COMPRESSORS:**

Treatment Plant Model #	Brand	Design	Model #	Rated CFM*
SM500	Gast	Rotary Vane	0323	3.20
	Thomas	Rotary Vane	SAR-0060	3.25
	Gast	Linear	HP 100-201	3.50
SM600	Gast	Rotary Vane	0323	3.20
	Gast	Linear	HP 100-201	3.50
SM750	Gast	Rotary Vane	0523	4.50
SM1000	Gast	Rotary Vane	0823	8.00
SM1500	Gast	Rotary Vane	1023	10.00

\*All compressor cfm ratings are shown at mfg. specifications at open flow, cold, and are not actual performance tested cfms at diffuser depth (proprietary data). Therefore, above listed cfms may not show exact incremental compressor proportional up-sizing on model series.

Baylor University  
Environmental Studies

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## APPROVED CONTROLS:

All Plant Models	SJE Rhombus	Enclosed	AerobiControl SMC-PF (4X); pump control with timer) EPF(NEMA III) SMC-GF(3R)
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## APPROVED ALARMS:

All Plant Models	Alarm is internal to Rhombus control enclosure, sensor located in clarifier or in the pump tank as dictated by state and/or jurisdictional requirements.
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This company is listed by Baylor and may sell products nationally and internationally complying with all Baylor and ANSI/NSF Standard 40 requirements for certification, but has advised Baylor of authorized representatives of certified products physically located in the following states:

Arkansas    Idaho    Illinois    Louisiana    Mississippi    New Mexico    Oklahoma  
Texas

Please contact the listed company directly for additional product information and for a list of authorized representatives.