

ESG1 EXHAUST STEAM GENERATOR



PHARMACEUTICAL APPLICATION – Page 1 of 2



SAVINGS COMPARISON ANALYSIS

Customer Name: **Pfizer, Inc.** Customer Code: Reference: Pharmaceutical 59317

DATA without a Cain System	PERFORMANCE with a Cain System
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DFC3000 Fuel Cell		ESG1-830H15.5CS5	
Heat Sink	Steam	Operating Steam Pressure	45 PSIG
Waste Exhaust Temp	713°F	Final Exhaust Temp	354°F
Water Temp. Inlet	N/A	Boiler Horsepower	100 BHP
SCFM	7,717	Equivalent Evaporation	3,456 pph
Fuel Type	Natural Gas	Pressure Drop, Exhaust	1.10" WC
O2 Content	N/A	BTU/hr Recovered	3,354,000
Excess Air	N/A	BTU/hr Saved	4,192,000
Combustion Efficiency	80% (relative)	Total Cost	\$170,596
Fuel Cost Per Therm	\$.65		
Annual Operating Hours	8,000		

Payback: 9.4 mo.
Annual ROI: 128%
Annual Savings: \$217,983

Life Expectancy Savings: \$3,814,703 (15-20 years)

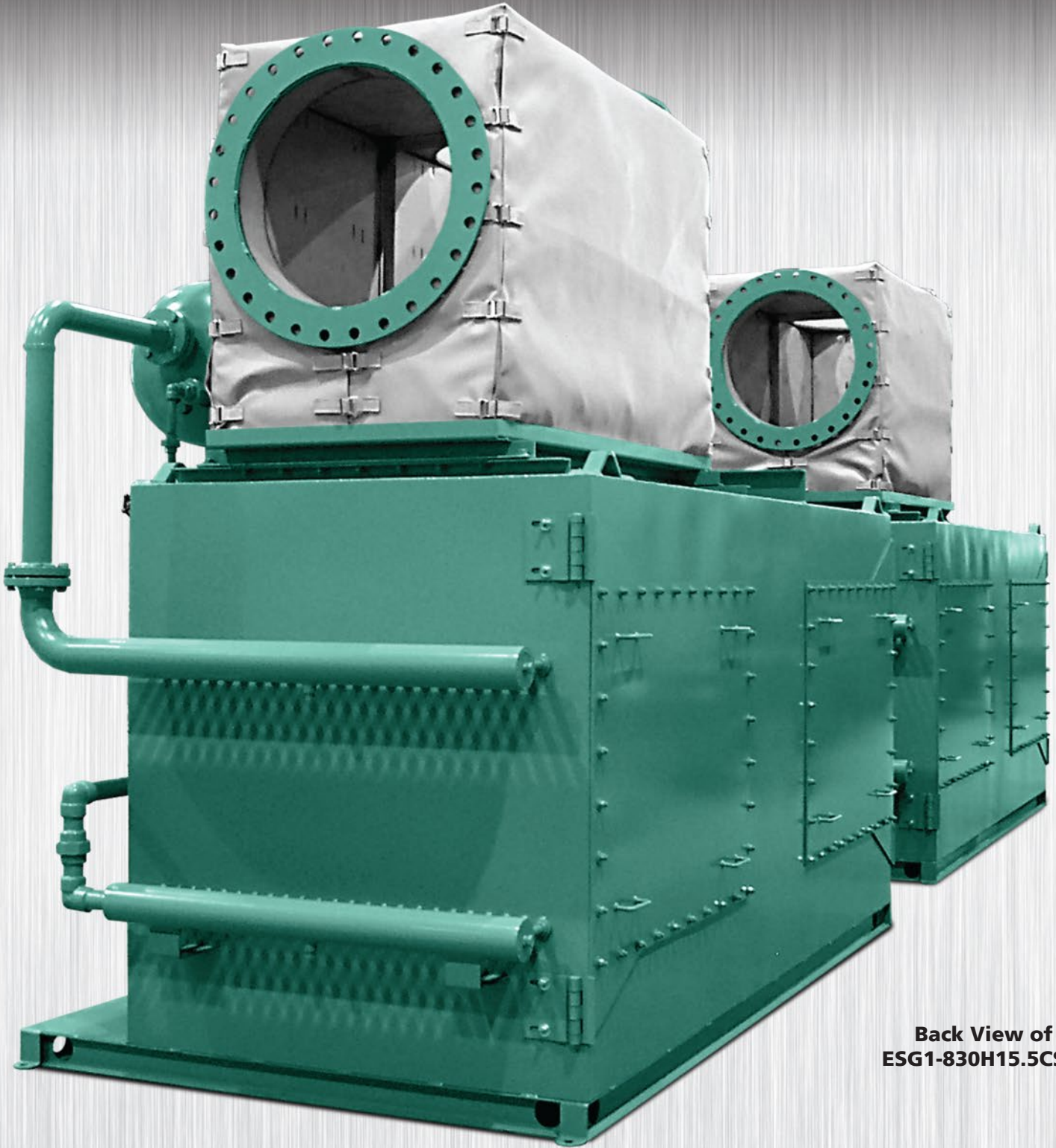
Savings comparison data is based on a conservative fuel cost per therm and approximate operating hours. Contact Cain Industries for your FREE savings analysis proposal.

Cain Industries
 W194 N11826 McCormick Drive
 Germantown, WI 53022 USA
 262.251.0051 • cainind.com

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**Back View of 2:
ESG1-830H15.5CSS**

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