

HATFIELD AND COMPANY

Energy & Safety Optimization



Hatfield and Company is a distributor and manufacturer's representative of leading technical products and solutions that help our customers improve efficiency and quality, and save money. We specialize in solutions for filtration, instrumentation, valves, safety, and other piping related products. We consider our customers to be our partners and we are committed to being fair, ethical, and honest... every time.

Hatfield and Company currently has Sales Offices located throughout the United States in Illinois, Indiana, Louisiana, Oklahoma, and Texas. We also service and provide technical products and solutions for customers in Alabama, Arkansas, Iowa, Kansas, Michigan, Mississippi, Missouri, New Mexico, Ohio, and Tennessee.

Corporate Office

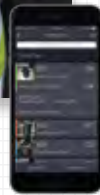
2475 Discovery Blvd
Rockwall, TX 75032

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972.289.9063 fax

MEASURE



Capture your data with SAGE® mobile app



Steam System Survey:

Capture your steam trap performance with SAGE® by Armstrong mobile. Now you can own your data & manage your trap population.

Thermal Survey: Identify the need for safety & energy optimization.



Steam Trap Tester:

the SAGE UMT™ wireless hand-held steam trap testing tool, connects to any smart phone or tablet, with built in RFID tag reader.



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ANALYZE

Steam Energy Analysis:

See your full steam system summary with SAGE® by Armstrong. Energy loss, hot water updates & alerts in real time.



Energy Survey Sample									
Project Information					Survey Data				
Client:	Rockwell	Survey Date:	07/15/2016	Project Name:	Rockwell	Survey Date:	07/15/2016	Project Name:	Rockwell
Phase / System:	07/15/2016-07/15/2016	Plant Cost (\$/sqft/ft):	24.50	Product Specification:	370 L748017	Plant Cost (\$/sqft/ft):	24.50	Product Specification:	370 L748017
Project Location:	Rockwell System	Insulation Thickness:	1.5	Insulation Type:	OM Vapor Proof / Moisture	Project Location:	Rockwell System	Insulation Thickness:	1.5
Owner / Asset:						Owner / Asset:			
Minimum Temp. #:	20.0					Minimum Temp. #:	20.0		
Main Boiler Room									
Item	Description / Location	Area (sq ft)	Volume (cu ft)	Surface Area (sq ft)	Volume (cu ft)	Surface Area (sq ft)	Volume (cu ft)	Surface Area (sq ft)	Volume (cu ft)
1	1" 304L Steel Check Valve	90	300	900	27,000.00	\$3,881.66	3,881.66	\$208.02	
2	1" 304L Steel Drain (1" 10' Drain)	90	300	900	90,402.28	\$5,424.30	3,473.31	\$208.46	
3	1" 304L Steel Drain (1" 10' Drain)	90	300	900	106,200.00	\$13,140.00	10,485.76	\$1,194.26	
4	1" 304L Steel Drain (1" 10' Drain)	90	300	900	101,448.88	\$11,424.79	10,440.29	\$1,175.79	
Steam Header									
1	1" 304L Steel	90	300	900	13,762.39	\$1,679.60	3,393.25	\$258.27	
2	1" 304L Steel	90	300	900	13,279.24	\$1,746.40	3,383.87	\$271.38	
3	Flange, 150#	90	345	975	18,274.93	\$2,279.34	3,271.02	\$226.22	
Steam Tunnel									
1	Exp. Brk. Vents	90	345	975	22,437.29	\$1,760.00			
2	1" 304L Steel	90	345	975	18,287.41	\$1,147.00			
3	Steel Flange Cap, 150#	90	330	945	2,500.00				
PSV Station to Deaerator									
1	Shower, 250#	150	525	1575	2,229.84				
2	Pressure Reducing Valve, 150#	150	525	1575	8,225.20				
3	Valve, 150#	150	525	1575	3,270.00				
4	Flange, 150#	150	525	1575	8,894.00				
5	Valve, 150#	150	525	1575	3,270.00				

Energy Survey Summary	
Total Heatloss - Bare (BTU/Year)	3,277,893,469.42
Total Heatloss - w/ Insulation (BTU/Year)	327,299,858.47
Heatloss Savings - w/ INSULTECH® (BTU/Year)	2,960,593,610.95
Total Annual Operating (Steam Cost) - Bare	\$41,957.04
Total Annual Operating (Steam Cost) - w/ Insulation	\$4,061.44
Annual (Steam Cost) Savings - w/ INSULTECH®	\$37,895.60
* Lifetime (Steam Cost) Savings (15 Yrs)	\$567,402.96
Total Cost (INSULTECH® Bare/Kit System)	\$4,800.00
Insulation (By System)	
Total Cost	\$31,631.01
Payback (Months)	85
Number of Filings	48

Hot Water Monitoring:

Precision temperature control and monitoring with thermal flush programming. Complies with CMS mandate on Legionella.



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OPTIMIZE

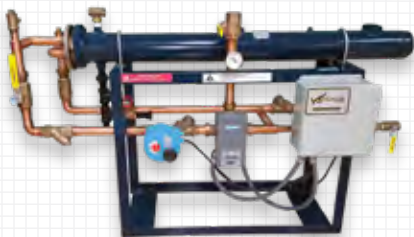


Steam Energy Optimization:

Minimize your energy losses and optimize your equipment performance with 24/7 monitoring through SAGE® by Armstrong.

Thermal Energy Optimization:

Protect your employees and provide long term energy savings with removable & reusable insulation jackets.



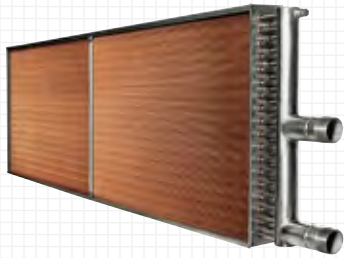
Hot Water Systems:

Customize a digital hot water generation system to meet your specific needs.



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HEAT EXCHANGE & CONDENSATE RECOVERY

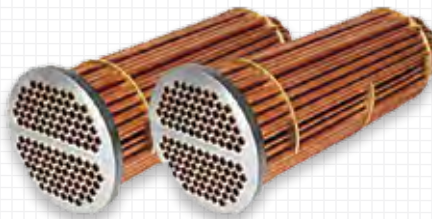


Coils

Optimize your system with custom heat transfer solutions tailored for your specific needs.

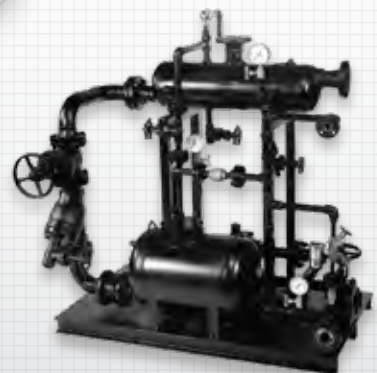


Plate & Frame Heat Exchangers

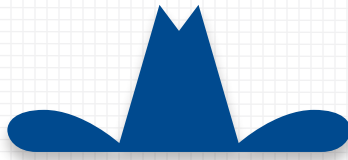


Shell and Tube bundles

Recovery systems to return your condensate efficiently.



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