

KEMCO SYSTEMS

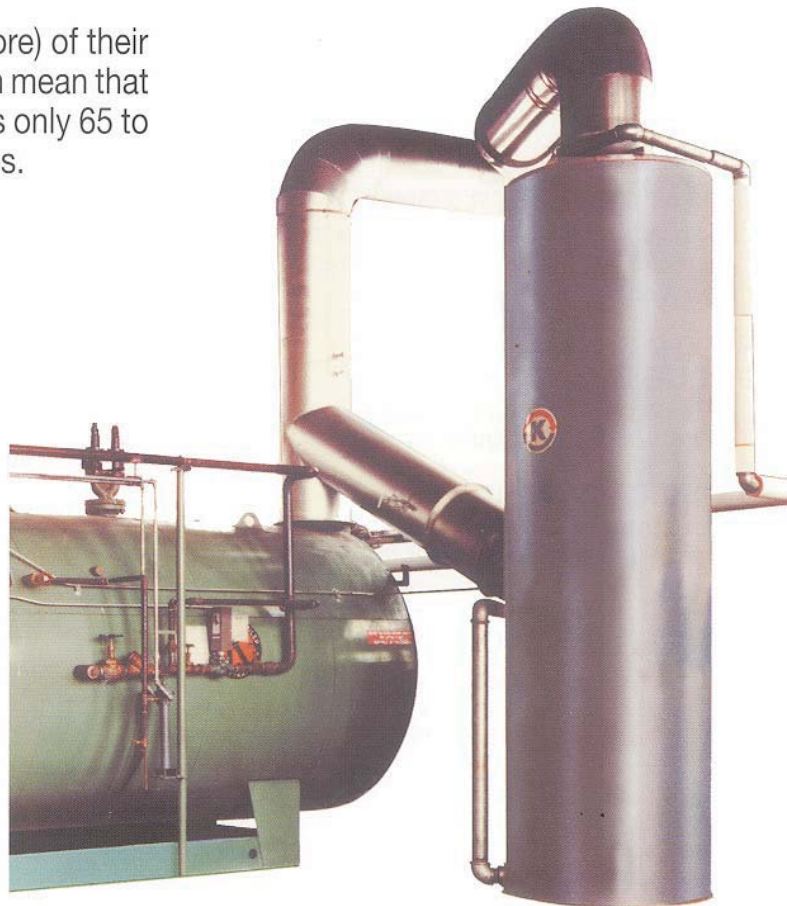
STACK ECONOMIZER

WILL MAKE YOUR BOILER APPROACH 100% EFFICIENCY. THESE RESULTS ARE PROVEN IN HUNDREDS OF INSTALLATIONS, INCLUDING NUMEROUS FORTUNE 500 COMPANIES.

Typical gas fired heaters and boilers send 20% (or more) of their consumed energy out the exhaust stack. This loss can mean that for every dollar spent on fuel, the boiler system returns only 65 to 70 cents worth of useful heat after transmission losses.

If your plant operations require intensive hot water usage, and your boiler load exceeds 100 HP, the super-efficient FLUE GAS HEAT RECLAIMER (Stack Economizer) from **KEMCO SYSTEMS**, will recover virtually 100% of the heat going up your stack. **KEMCO'S** flue gas heat recovery system will result in the highest energy savings possible. The dollars saved on fuel in just one year may be enough to pay for the cost of the system. This rapid return on investment exceeds that of other conventional economizer other types of equipment on the market today.

Traditional finned-tube units cannot reduce boiler stack temperature below 280°F without self-destructing from cold end corrosion. **KEMCO'S Stack Economizer** can safely reduce stack gases as low as 40°F!



THE BEST ENERGY MANAGEMENT TECHNOLOGY FOR:

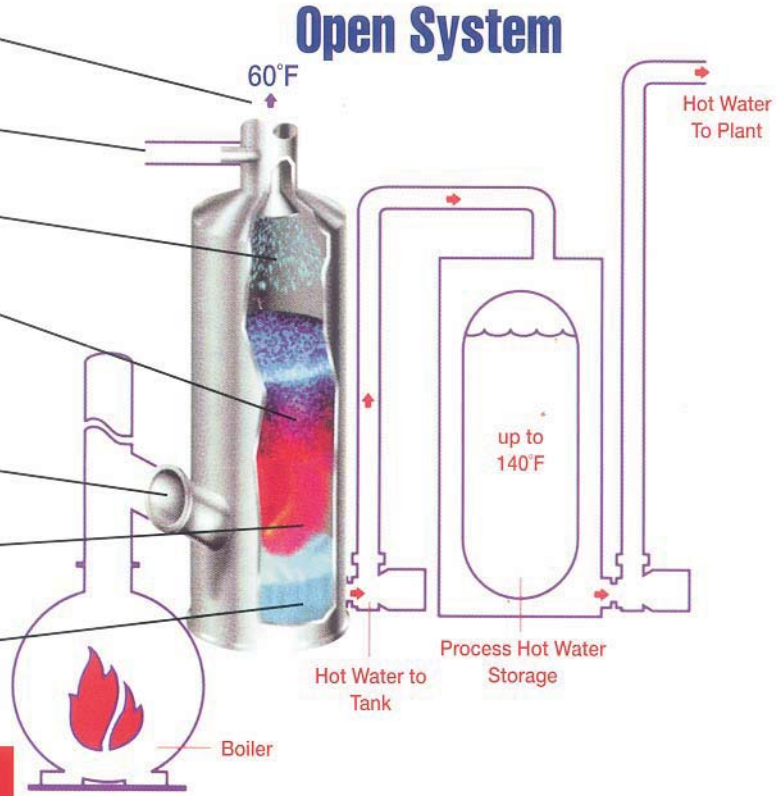
- HOSPITALS
- MANUFACTURING
- PULP & PAPER MILLS
- CHEMICAL PLANTS
- CONCRETE & READY MIX
- FOOD, MEAT & POULTRY PROCESSING
- INDUSTRIAL & COMMERCIAL LAUNDRIES
- GARMENT FINISHING
- AUTOMOTIVE PLANTS
- ANY BOILER INSTALLATION



STOP 20% OF YOUR ENERGY DOLLARS FROM ESCAPING OUT OF YOUR BOILER STACK

Kemco's Flue Gas Heat Reclaimer will produce your plant's hot water using the world's most energy-efficient transfer technology.

- BOILER STACK EXHAUST REDUCED TO 60°F
- COLD WATER SUPPLY 55°F
- COOLING WATER DISTRIBUTION ZONE
- PACKED - MASS HEAT TRANSFER ZONE
Consists of stainless steel material designed to maximize the surface area available for recovery of waste heat.
- EXHAUST GAS INLET FLUE GAS 400°F
(This represents 20% of your purchased fuel dollars)
- DIRECT CONTACT ZONE
Heat transfer and phase change. High temperature increase heat flux.
- PRE-HEATED PROCESS WATER COLLECTION ZONE



KEMCO ECONOMIZER VS TUBULAR TYPE

	KEMCO	TUBULAR
MATERIALS OF CONSTRUCTION	Stainless steel	Copper/Steel
LIFE EXPECTANCY	20 years	Less than 5 years (no cold end corrosion)
WATER CAPACITY	Nonrestricted	Restricted
IMPROVEMENT OF BOILER CAPACITY	20%	4%
PAYBACK TIME	6 months - 2 years	Longer than Direct Contact

Closed System (Potable Hot Water)

