

ENERGY MANAGER SERIES

The EM is designed to recover heat from combustion sources with atmospheric burners from 200 to 6400 MBH. Ten standard models are designed to operate with low static gas pressure drop for safe, automatic operation on atmospheric or power burners.

COMBUSTION SOURCES

Steam boilers, hot water boilers, dryers, ovens

FEATURES

- Built to rigid CSA quality control standards
- Highest heat transfer efficiency with AL-FUSE™ finned tubing
- Quick release access door latches for ease of maintenance/inspection
- Packaged design includes all basic control hardware to properly operate unit in the field
- Adjustable internal stainless steel damper and diverter
- Guaranteed heat recovery performance

*The only product
of its kind with
CSA Certification*



Canadian Standards Association International Laboratories Design Certified
(Replaces AGA, American Gas Association Laboratories Design Certified)

EM Series package includes all basic control hardware for simplified installation, and includes CSA certification



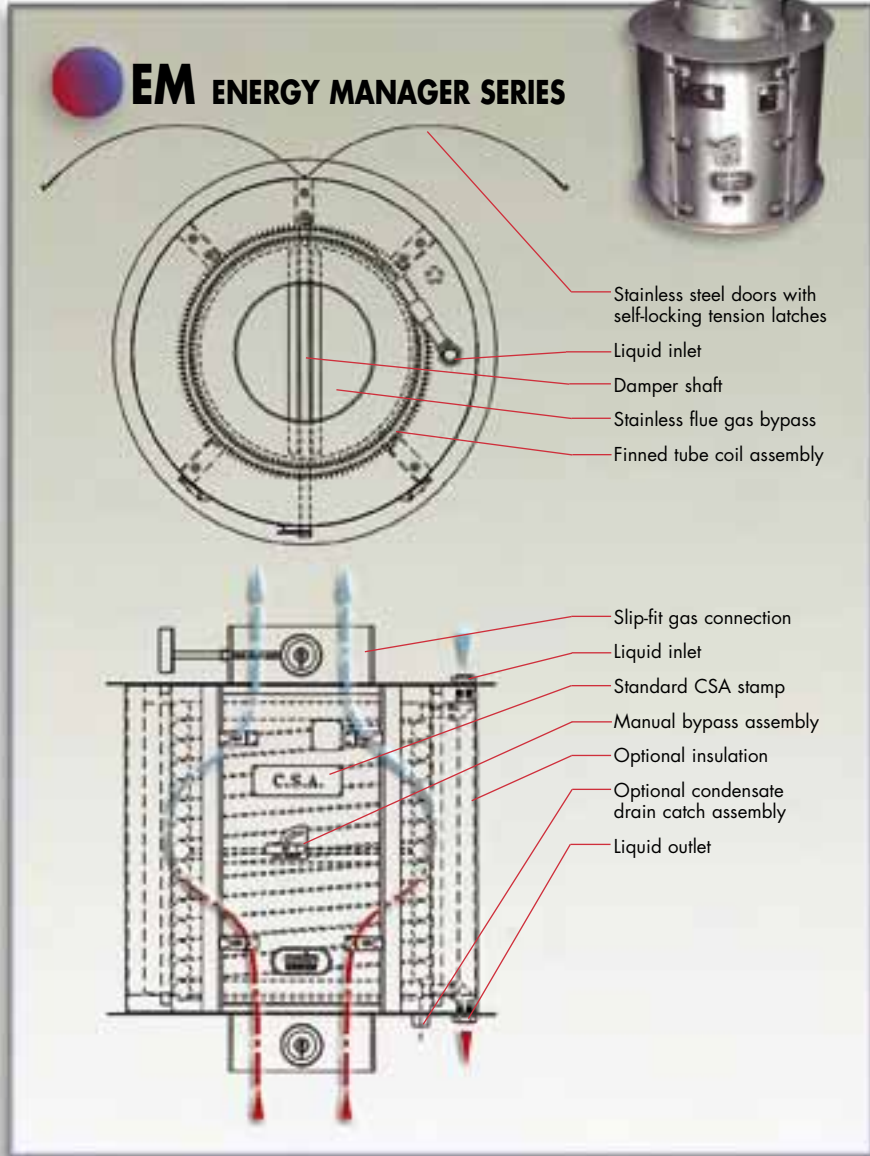
College Campus, Long Beach, California
(10) EM Series boiler economizers preheating hot water return loops.

Boiler Exhaust Application

- Capacity: 200,000 to 6,400,000 Btu/hr input
- Entering gas temps: 300°F to 700°F
- Heat sink types: Boiler feedwater, makeup water, hot water return, hot water storage tank, condensate tank, process water, potable water

- Slip-fit gas connections
- Temperature Controlled Pump controller
- Internal stainless steel bypass to modulate heat recovery as needed
- Single row finned tubing for maximum efficiency and ease of cleaning
- Quick-release tension latches do not require tools
- Stainless Steel hinged access panels minimize labor and downtime during inspection, cleaning or repair
- Includes circulating pump package: In-line circulating pump, inlet and outlet temperature gauges, check valve, relief valve, flow control valve, differential pump control





Condominium Complex, Milwaukee, Wisconsin
EM Series economizer, on top a domestic hot-water heater, preheating municipal water.



Industrial Laundry, Fresno, California
(2) EM Series, boiler economizers, preheating boiler feedwater for (2) 115 BHP Parker steam boilers.

EM SERIES MODEL SELECTION

The following model selections are determined by stack diameters and Btu/hr input, using this simple selection chart. After the correct Energy Manager has been selected, contact your Cain representative to determine your fuel savings and provide a complete proposal with payback period. Stack diameters smaller than standard EM sizes can be accommodated simply with a pair of EM Model to Stack Transitions.

Model No.	Burner Input (Btu/hr)	Stack Diameter
EM-6	200,000	6"
EM-8	400,000	8"
EM-10	600,000	10"
EM-12	800,000	12"
EM 14	1,250,000	14"
EM-16	1,600,000	16"
EM-20	2,500,000	20"
EM-24	3,600,000	24"
EM-28	5,000,000	28"
EM-32	6,400,000	32"

