

Heat Recovery System

Convert normally wasted fryer exhaust heat into usable energy for HVAC, equipment operation, sanitation or food processing

Utilize wasted energy

Continuously transfer the heat from fryer stack exhaust to water in a recirculation system for a variety of uses. Hot water for your building's heating/ventilation/air conditioning system, product blanching, washing, and plant sanitation are just a few possible applications. Heated air for product dryers can also be obtained by circulating hot water through a fluid-to-gas heat exchanger.

Simple operation

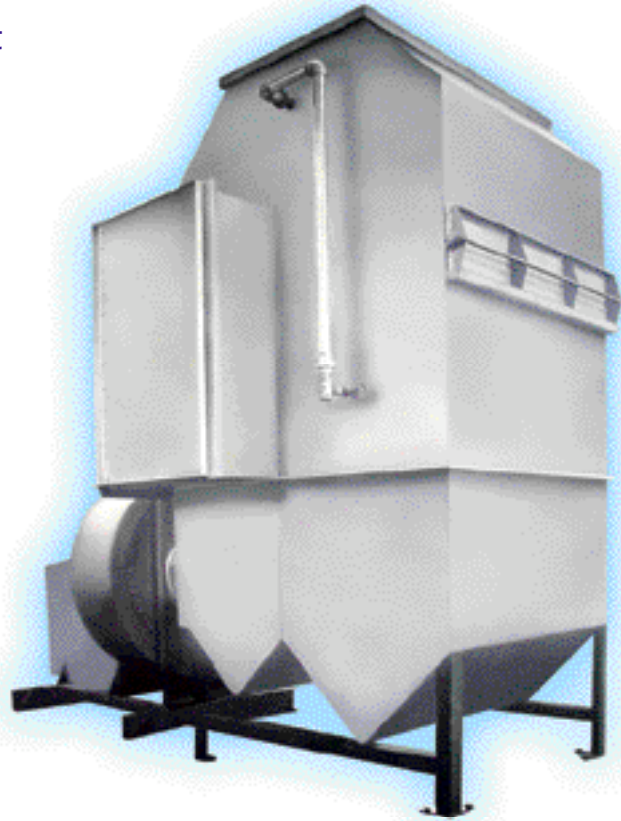
A low horsepower fan draws fryer exhaust through two stainless steel cabinets configured in an inverted "U". In the first cabinet, an Oil Mist Eliminator removes oil droplets from the exhaust. Finned condensing coils in the second cabinet then transfer heat to water or heat transfer fluid circulating inside them.

Cleaner emissions

Oil is extracted from exhaust before it vents into the atmosphere. Oil and condensation are separated and drain from different outlets in the cabinets.

Easy cleaning

A clean-in-place spray system rinses the interior of both cabinets, the Oil Mist Eliminator, and the condensing coils. Connection to your pressurized cleaning solution system is required.



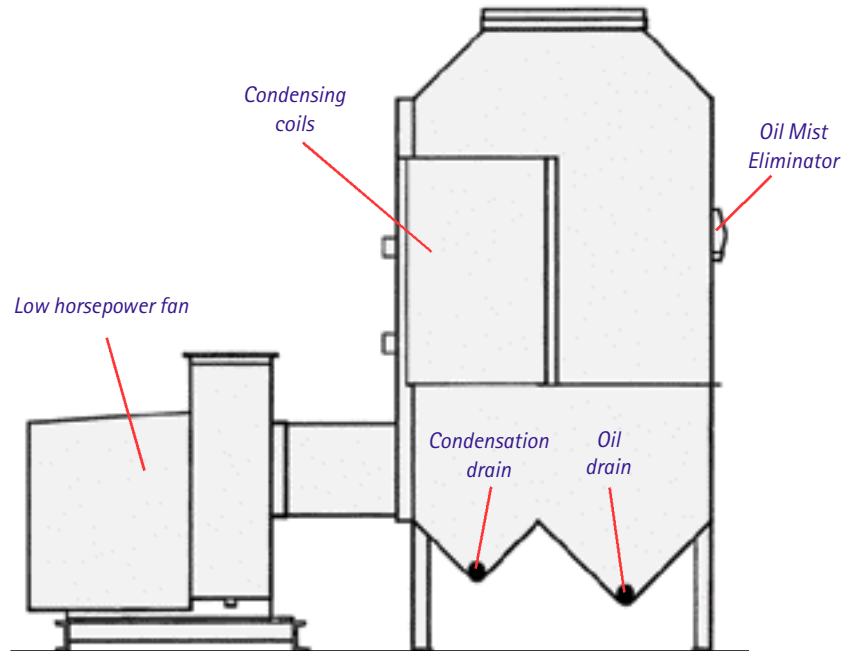
Production lbs/hr	Heat Recovery Millions BTU/hr	Uses of recovered heat
2,200 Potato chips	4.5	Can washing line
3,200 potato chips	7.4	Plant heating & sanitation
5,000 potato chips	11.9	Plant heating & sanitation
23,000 french fries	6.5	Hot make-up water for blancher
30,000 french fries	8.4	Fluid-to-gas heat exchanger supplies hot air to product drier

Heat Recovery System | Model HRS

Choose from a variety of sizes or custom designs to fit your plant and production requirements.

Optional features

- Roof-mounted or in-stack mounted Heat Recovery Systems
- Heat Recovery Systems can be added to existing hood-mounted or remote-located Oil Mist Eliminators or cyclone scrubbers
- Oil Mist Eliminators can be mounted in the fryer hood instead of in the HRS



Constant improvement and engineering innovations mean these specifications may change without notice.

Heat Recovery Systems are available with new Heat and Control processing lines, or they can be installed on existing fryers.

HEAT AND CONTROL

®

