

ENHANCED HEAT RECOVERY

Industrial-duty Design

Up to 1,000,000+ PPH



UPGRADE WITH SUSTAINABLE SOLUTIONS

At Victory Energy, we believe that the future of all energy must be based upon carbon reduction.

Our goal is to deliver cleaner energy solutions which truly impact the environment for today and future generations.

The EXPLORER Economizer series units are designed to deliver lower carbon intensity through responsible innovation that benefits our world.

BEYOND THE BOILER PLATE

An EXPLORER® Economizer Series from Victory Energy can immediately reduce your fuel costs and carbon foot-print. Your boiler flue gas exhaust has enough energy that can be recovered economically. In addition to reducing fuel usage and emissions, an economizer, by pre-heating boiler feed-water, allows the boiler to more rapidly respond to load changes.

The EXPLORER offers solutions for gas-liquid, gas-gas as well as liquidliquid heat transfer applications. Every aspect of the design is chosen with the goal of providing a product that will perform trouble-free for many years.

In addition to providing innovative solutions, we are constantly looking for ways to improve renewable energy technologies and maximize waste heat recovery processes.

Victory Energy offers a complete suite of heat recovery products and accessories for all your applications, including:

- Boiler Feedwater Economizers
 - Rectangular
 - Cylindrical Condensing Economizers
- Waste Heat Oil Heaters
- Tubular Air Pre-heaters
- Liquid-Liquid heat exchangers
- Transitions, Stack, Support Steel, Controls, etc.



Engineered to order, our rectangular Explorer Series economizer can be designed for boiler sizes ranging from 100 BHP to greater than 500,000 lb/hr of steam flow. Field-assembled economizers are available for utility sized boilers.



Our cylindrical economizers are ideal for firetube and watertube boilers ranging from 50 BHP to 100,000 PPH.

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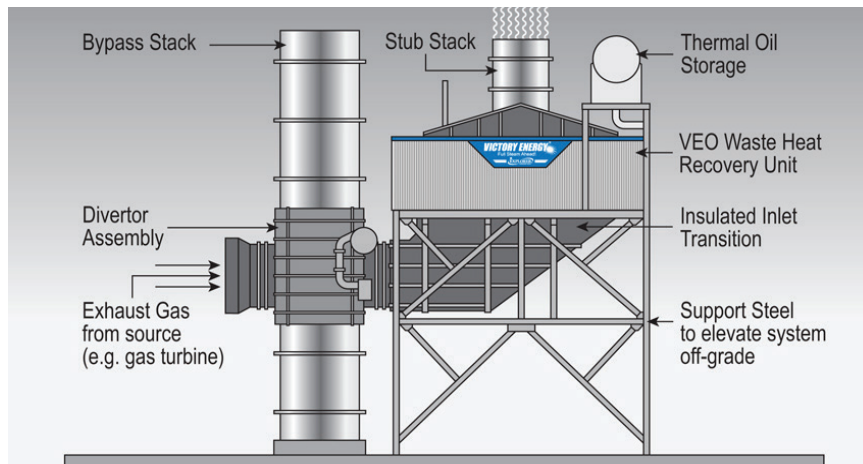


**A PROVEN CHOICE, FOR
ALL KINDS OF APPLICATIONS**

WASTE HEAT RECOVERY

Victory Energy can design heat recovery units for non-boiler related applications. Waste heat can be recovered from various sources, for example, gas turbines, cement kilns, diesel generators, to name a few, to heat either a glycol-water mixture or thermal oil.

Recovered heat can be used for a variety of applications including on-site power generation. Our heat recovery units can handle inlet gas temperatures of up to 2,000° F.

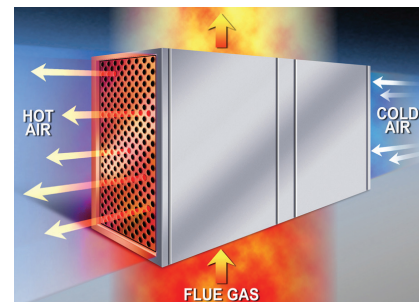
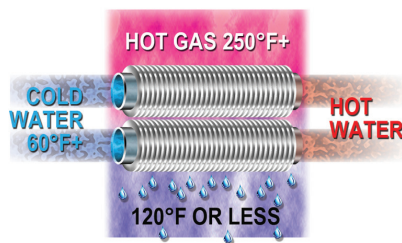


THINK CONDENSING - THINK AIR PRE-HEAT

Flue gas from natural combustion has approximately 11% by weight of moisture. Each pound of condensed moisture can release 1,000 btu's of energy. By condensing this moisture, the amount of energy that can be recovered in an economizer can be significantly increased.

Our **air pre-heaters** are custom designed for your plant layout. We can handle very high flue gas temperatures - up to 1,750° F with refractory lined units.

CONDENSING



ANCILLARY EQUIPMENT

Victory Energy can provide a complete suite of ancillary equipment to maximize the value of our products:

- Duct-work
- Transitions, including D-type transitions
- Support steel to elevate units off-grade
- Stack(s)
- Controls
- Dampers
- Expansion joints



Ask about
our Fuel Savings
Calculator