

ANGUIL

Committed to Energy Recovery.

Heat & Power Products:

Plate Heat Exchanger



Practical Applications

Recover heat from energy consuming processes or exhaust stacks and return it as process air, preheated combustion air or plant comfort heat.

Are you already using heat exchangers? Replace old heat recovery equipment with a state of the art Anguil heat exchanger and dramatically reduce your energy consumption.



Every energy demand is unique, as is every energy-efficiency improvement possibility. At Anguil, our track record includes an ability to blend time-tested, standard products with innovative engineered solutions. The all metal, all welded Anguil plate heat exchanger has the strongest, most durable primary end seal on the market and can handle those application where shell and tube exchangers used to be the only option.

The in-line wave, dimpled pattern plate heat exchanger ensures high efficiency without compromising strength. This unique design coupled with the welded construction allows it to withstand higher static pressures while achieving up to 80% efficiency.

Integrated into an existing system or installed as a stand-alone piece of equipment, the new Anguil Plate Heat Exchanger has many practical applications.

From the smallest exhaust air stream (100 SCFM), to the largest of exhaust streams (>100,000 SCFM), the Anguil Plate Heat Exchanger will exceed your expectations of efficiency and durability. Anguil has designed & supplied hundreds of innovative, cost-effective solutions for customers in search of greater heat and power efficiency, either to augment their pollution control systems or as stand-alone energy cost reductions. This is a particularly valuable practice in these times of unstable and rising fuel costs.



Features:

- Low pressure drop, smaller foot print and reduced capital equipment cost
- Plate thickness ranges from 0.024" for high efficiency to a heavy-duty and durable 0.050" thick plate
- High efficiency 0.333" plate spacing to a very cleanable 0.625" plate spacing
- Plate sizes range from 12" X 36", mini heat exchanger up to a 60" X 144"
- Efficiencies can range from a 20% cross flow to a 80% counter-flow unit
- Vertical or horizontal orientations and multiple flow patterns available
- Aluminized Steel, or 409, 304L, 316L and 309 Stainless Steels for economy, corrosion resistance and high temperature

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Innovative Heat Recovery Solutions for Industry.

Additional Options:

- Uninsulated or Insulated
- By-Pass Ducts and Dampers
- Automatic Wash Systems
- Particulate Collection Hoppers
- Supply Fans
- Multiple Access Doors
- Inlet Membrane Protection Caps
- Turnkey Installations

“Our goal is to provide heat recovery solutions today that help our customers remain profitable tomorrow.” -Gene Anguil

Design Factors:

The critical design factors for an air-to-air heat exchanger application are:

- The airflow rate of each air stream
- The temperature of each air stream
- The permissible pressure drop of each air stream
- The desired heat to be transferred or the air temp. exiting the heat exchanger

Anguil will review this information and analyze your application with our Heat Exchanger Performance Modeling Program. This program allows us to:

- Model temperatures from ambient up to 1,800°F (980°C)
- Model airflow rates from 100 to 100,000 SCFM
- Perform a boundary layer analysis for your application
- Adjust the plate thickness and spacing of your heat exchanger to maximize performance

Contact Anguil for an application data sheet. With the data we will provide equipment recommendations, costs and energy savings.

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DID YOU KNOW?

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**Packaged Unit
Complete With
Insulated
Housing**



**Quality
Construction**