

PRE-heat

RECAPTURE REHEAT RECYCLE

Air-to-Air Cooling Tower

Reduce the temperature of an exhaust air stream with very high particulate loading before it enters a baghouse or wet scrubber.

How It Works

Vertical shell and tube heat exchangers with larger tube diameters are designed to cool air streams with large amounts of particulates before they enter a baghouse for final cleaning and discharge into the atmosphere. This system allows particulates to fall underneath the exchanger, making cleaning easier.

Tower Applications

Our cooling towers are commonly seen in industries with dryers, incinerators, and any oven, dryer, kiln cupola, or incinerator with a particulate exhaust emission that needs to be cooled or dried out before going into a more stringent particulate collection device.

Why PRE-heat?

Our innovative, customizable heat exchange and recovery systems are durable and robust, featuring all-metal, all-welded construction with variable arrangements and thickness.



Size
Large



Temperature
Up to 1600°F



Pressure
Various



Effectiveness
Up to 75%



Flow Ratio
Approx. 5:1



Lifespan
15-20 Years



Corrosion Resistance
●●●



Dust Handling
●●●



Cleaning
●●●

