

# Heat recovery unit

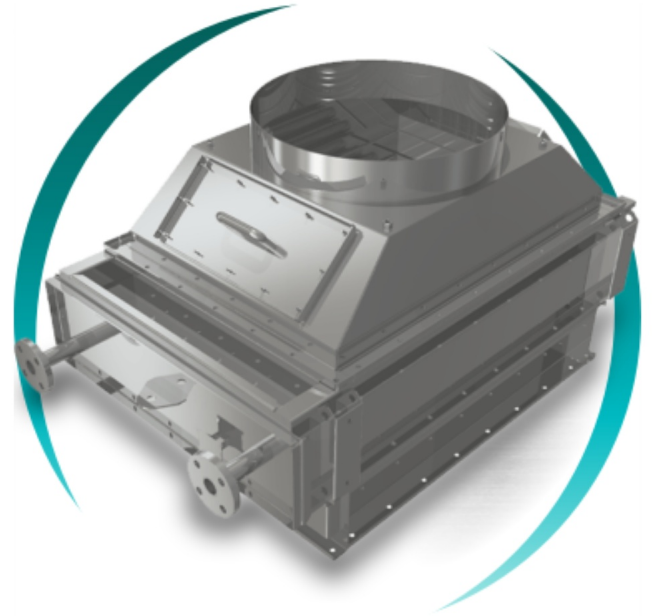
Economiser for industrial boilers



Equipment designed to recover residual thermal energy from the hot gases of an industrial process and reuse it as useful heat: combustion air preheating, feedwater heating or other process fluids.

It is used in industrial boilers, ceramic and glass kilns, biogas plants, thermal oxidisers (RTO/TO), incinerators and in any production process with exhaust gases above 150 °C and a sustained flow rate. The specific tube-bundle design — smooth, finned or pillow plate— adapts to the degree of fouling and the chemical composition of the gas.

Each unit is designed from an individualised thermal calculation that takes into account the operating regime, the fouling level, thermal expansion and integration with existing installations. The result is sustained real performance throughout the equipment's service life, with typical returns on investment of between 3 and 12 months.



## TECHNICAL SPECIFICATIONS

Inlet gas temperature	up to 850°C
Outlet gas temperature	below dew point
Liquid-side pressure	up to 100 bar
Thermal power	10 kW – 10,000 kW
Materials	AISI 304, 316L / 310 / etc.
Liquid-side fluids	Water, thermal oil, steam, etc.
Flow configuration	Counterflow / crossflow

**~850°C**

temperature we  
can handle

**+18**

industrial sectors  
covered

**+20**

product families