

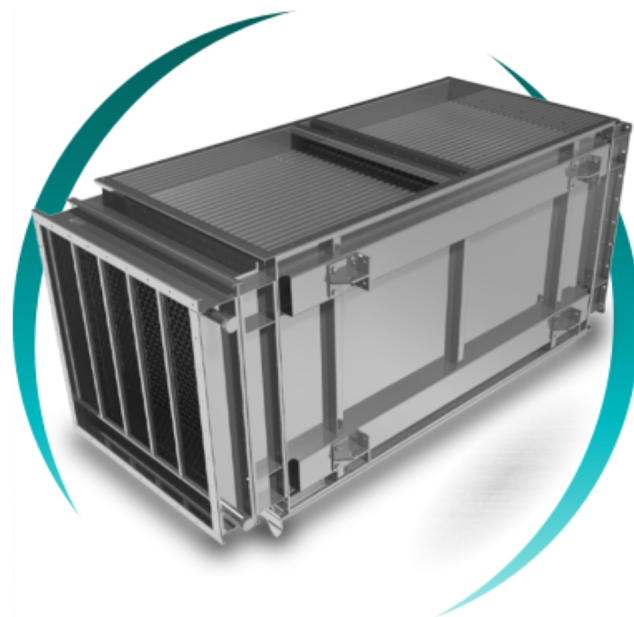
Air-to-flue gas exchanger

Recovery of combustion and process gases



High-demand equipment for the energy recovery of extraction, process and combustion gases, in environments requiring absolute 100% tightness. It uses tubes welded to the end plates, guaranteeing a real hermetic separation between gas streams, with no risk of cross-contamination, even in critical processes governed by strict environmental regulations and zero-emission sectors.

It is used in metallurgy, foundries, ceramic, chemical and pharmaceutical, paper, food and energy industries. It allows recovery of up to 80% of the thermal energy from hot gases. The integral welding of the tubes to the plates eliminates any potential leak path, making this equipment the reference solution for toxic, corrosive or particle-laden gases. The design is modular and fully custom, tailored to each process, flow rate and temperature, with the option of incorporating automatic spray-cleaning systems.



TECHNICAL SPECIFICATIONS

Technology	Tubes welded to end plates
Tightness	~100%
Recovery efficiency	up to 80%
Admissible gases	Toxic, corrosive, particle-laden
Materials	AISI 304, 316, 309, 310 / carbon steel
Cleaning system	Automatic spray (optional)
Flow configuration	Single or multiple crossflow

~80%

thermal recovery
efficiency

~100%

guaranteed
tightness

~3-12m

typical return on
investment