

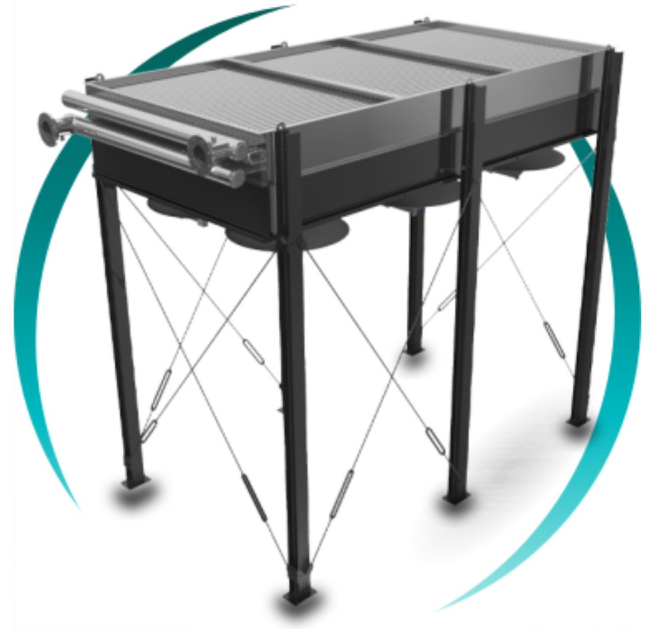
Air cooler (dry cooler)

Heat dissipation from a fluid to air



Key equipment in the air conditioning and refrigeration of fluids in continuous industrial processes, using forced ventilation to dissipate the heat of a fluid to the outside environment, without the need for cooling water. Widely used in power plants, the paper industry, diesel and gas engines, steam turbines, oil refineries, petrochemical plants and gas-processing installations.

Each unit is custom-designed, combining heat exchangers with continuous or helical tube-and-fin with reference industrial fans —EBM-Papst, S&P or Ziehl-Abegg—. The critical design parameters include inlet and outlet fluid temperature, flow rate, ambient air temperature, pressure and corrosion resistance. Available in aluminium, copper, stainless steel and special alloys for aggressive or marine fluids. ATEX-configuration option.



TECHNICAL SPECIFICATIONS

Function	Heat dissipation fluid → air (no water)
Technology	Tube+fin + forced fans
Fin type	Continuous or helical
Fans	EBM-Papst, S&P, Ziehl-Abegg
Materials	Al, Cu, stainless, special alloys
ATEX option	Available
Sectors	Energy, petrochemical, naval, paper

Dry cooler
no water required

ATEX
explosive-atmosphere option

Custom
process parameters