

# Pressurised exchanger

Exchange in pressurised gaseous environment



Equipment that integrates a heat exchanger within a medium- or low-pressure gaseous environment, with a pressurised shell designed to withstand industrial working conditions. Designed to heat, cool or dehumidify gases or compressed air in highly specific applications.

It is used in automotive —lacquering and painting processes—, aviation, chemical and pharmaceutical industries, and in any process where the secondary fluid is in a continuously pressurised gaseous environment. The shell can be built in carbon steel, stainless steel, cupronickel or titanium. Inside, it can be complemented with multiple types of exchangers: tube-and-fin, finned, smooth tube or pillow plate, selected according to the specific thermal and mechanical needs of the process. Each unit adapts to the pressure, temperature and sizing requirements of the industrial installation.



## TECHNICAL SPECIFICATIONS

Concept	Exchanger in pressurised shell
Shell pressure	Medium or low
Internal shell fluid	Gaseous / compressed gas
Internal core	Tube+fin, finned, smooth tube, pillow
Shell materials	Carbon steel, stainless, Cu-Ni, titanium
Typical application	Automotive, aviation, chemical
Design	Fully custom

**Pressure**  
shell for gaseous environment

**Multi-type**  
multiple internal cores

**Custom**  
each application calculated