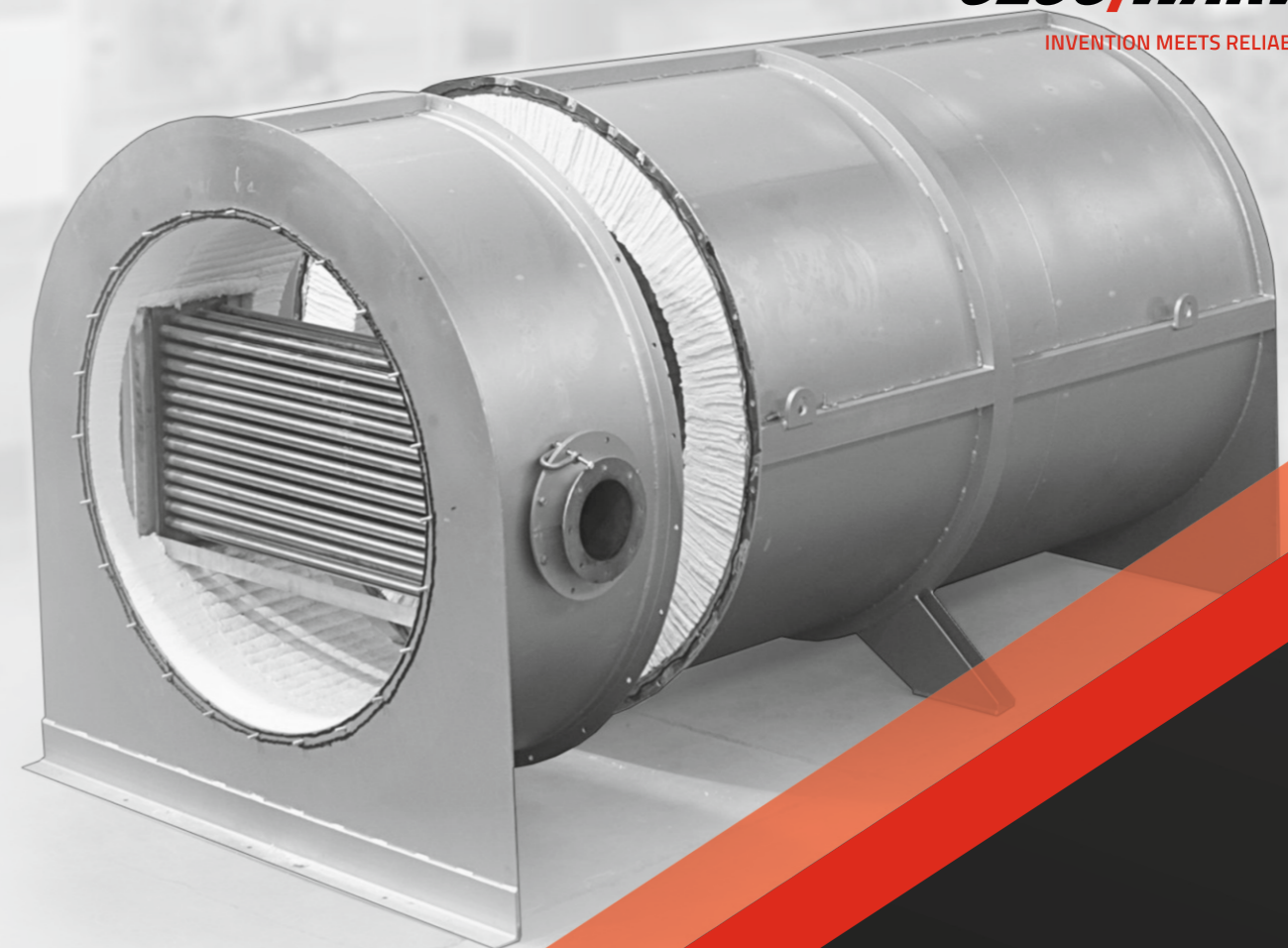


SECO/WARWICK

INVENTION MEETS RELIABILITY



SECO/WARWICK GROUP
a leading global manufacturer
of heat treatment furnaces and equipment

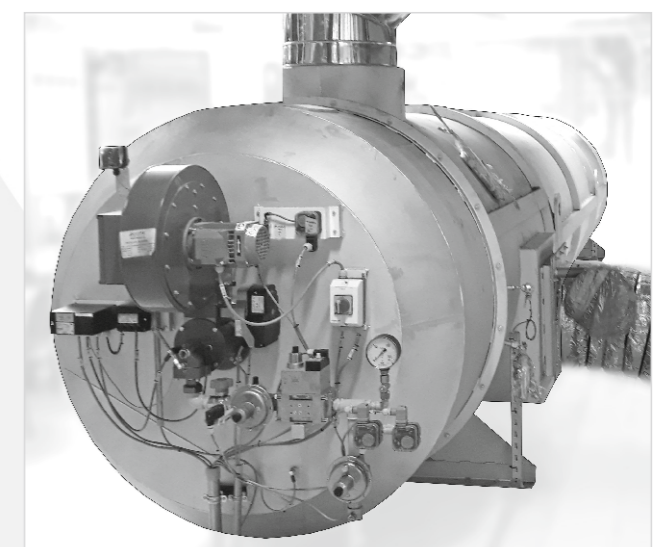
SECO/WARWICK is a technological leader in innovative heat treatment furnaces. Expertise includes end-to-end solutions in 5 categories: vacuum heat treatment, atmosphere, and aluminum thermal processing, controlled atmosphere brazing of aluminum heat exchangers and vacuum metallurgy. SECO/WARWICK Group with 9 companies located on 3 continents with customers in nearly 70 countries, has its production facilities in Poland and China. In addition, the Group operates a number of service and sales offices in countries such as Germany or Russia. The company provides standard or customized state-of-the-art heat processing equipment and technologies to leading companies in the following industries: automotive, aerospace, electronics, tooling, medical, recycling, energy including nuclear, wind, oil, gas, solar and production of steel, titanium and aluminum.

AFTERBURNER

External equipment reducing the emission of volatile organic compounds (VOC).

SECO/WARWICK

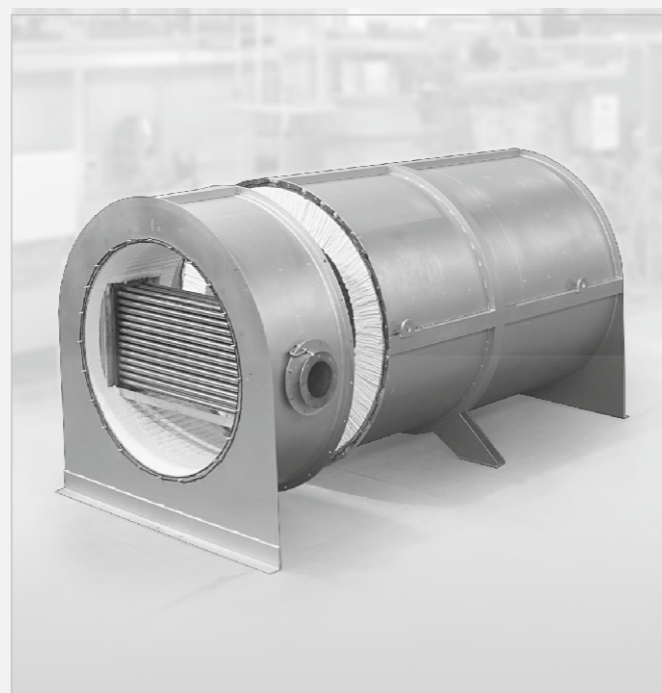
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AFTERBURNER

external equipment reducing the emission of volatile organic compounds (VOC)

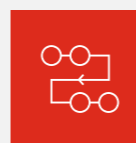
The afterburner is a standard product in SECO/WARWICK's portfolio. We have delivered several dozen of such equipment together with a degreaser (a device for thermal removal of oil from the surfaces of aluminum heat exchangers) included in the CAB lines. Now it can be implemented in annealing processes of aluminum strip coils in Jet Heating (Vortex®) and Mass flow type furnaces. During the rolling of aluminum sheet, a large amount of oil is very often used, which evaporates during the thermal treatment processes, emitting harmful organic compounds. In the interests of health and the environment, SECO/WARWICK provides a solution that guarantees compliance with European emission standards. The use of energy-saving and eco-friendly afterburner is the recommended solution for industry to protect the environment against VOC harmful impact.



INDUSTRIES:



Aluminum brazing
Heat treatment of metals,
including aluminum
Automotive - Aviation



BASIC TECHNICAL PARAMETERS:

- Gas heating system consisting of one compact burner with its own gas path
- Highly efficient insulation of the combustion chamber
- Independent control system equipped with safety in case of a flame failure



FEATURES

- VOC (Volatile Organic Compounds) combustion
- TOC (Total Organic Carbon) emission reduction
- Heat exchanger as an option for lower energy consumption in the combustion process



ADVANTAGES:

- Combustion starts even at the temperature of 650°C
- High reduction of VOC emission down to 50 mg/Nm³ TOC, compliant with European standards, and even down to 30 mg/Nm³ TOC in selected applications
- Possibility of installing the afterburner to already