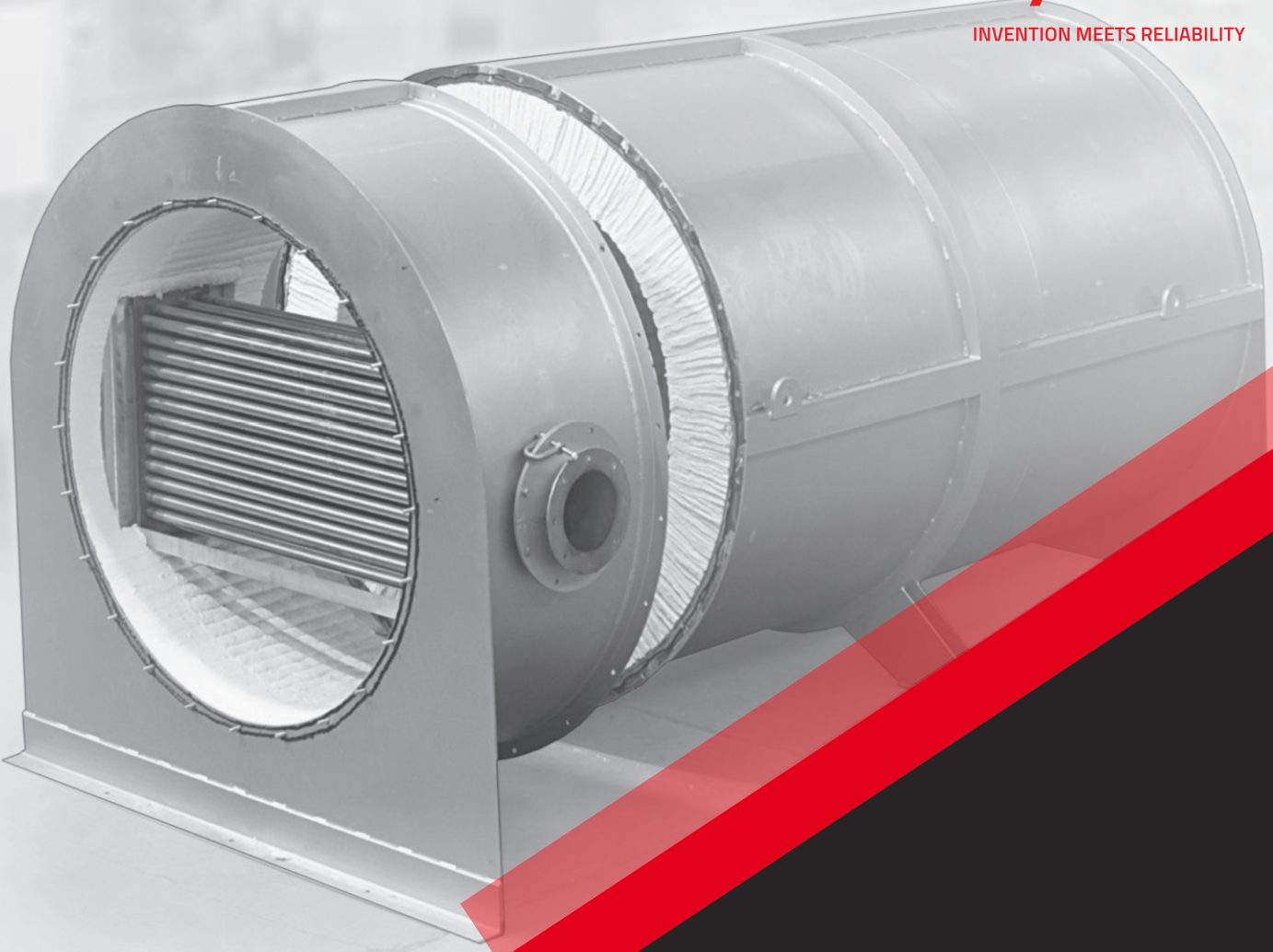


**SECO/WARWICK**

INVENTION MEETS RELIABILITY



# AFTERBURNER

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



# 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



## TECHNOLOGIES

- / 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.



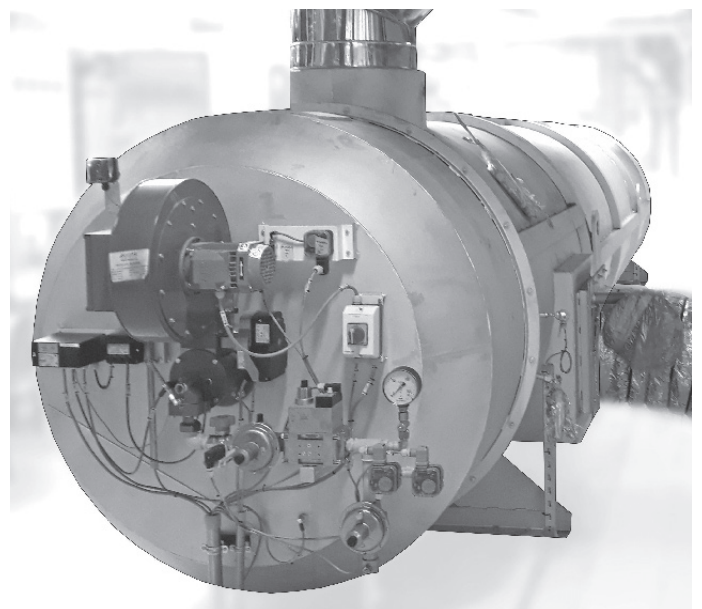
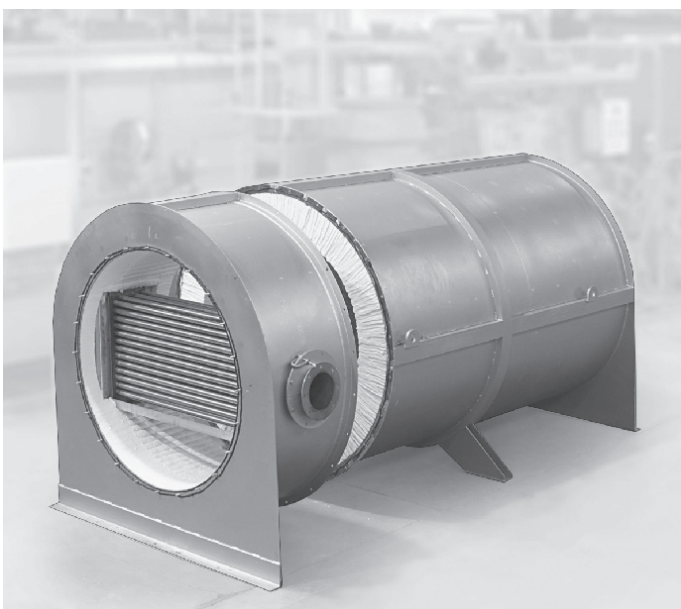
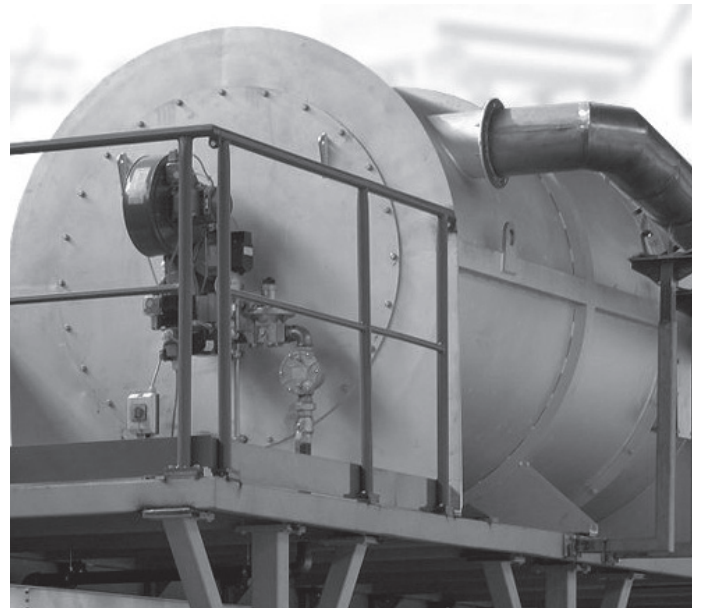
## FEATURES

- / 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/Nm<sup>3</sup> TOC.
- / complaint with European standards, and even down to 30 mg/Nm<sup>3</sup> TOC in selected applications.
- / Possibility of installing the afterburner to already.



## SECO/WARWICK

### Invention Meets Reliability

SECO/WARWICK is the 1<sup>st</sup> choice supplier of solutions for heat treatment and metallurgy.

We create innovative products that provide our customers with reliable, safe and environmentally friendly solutions for heat treatment and metallurgy and ensure the economic efficiency of their businesses. 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 8 companies located on 3 continents, has customers in nearly 70 countries with more than 4000 deployed solutions. The company provides standard or customized state-of-the-art heat processing and metallurgy 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.

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