



Burners with innovative combustion technology provide high-quality mixing for efficient burning of fuel gas.



#### FULL AUTOMATION AND A HIGH LEVEL OF INDUSTRIAL SAFETY

- digital temperature and pressure sensors
- combustion process control systems
- intelligent oil supply valves
- fuel gas flow control regulators
- SIEMENS® SIMATIC® industrial controllers

# INTEGRATION WITH SCADA SYSTEMS

Systems for collecting, processing, displaying and archiving information for remote monitoring and control of the furnace operation mode.

## **FIRE SAFETY**

The automation system allows you to complete the furnace with nitrogen or powder extinguishing agents.



### MODULAR DESIGN

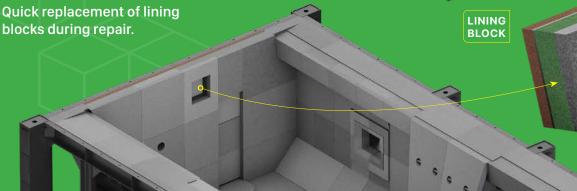
Ease of transportation quick installation in the field replacement of any module during major repairs.

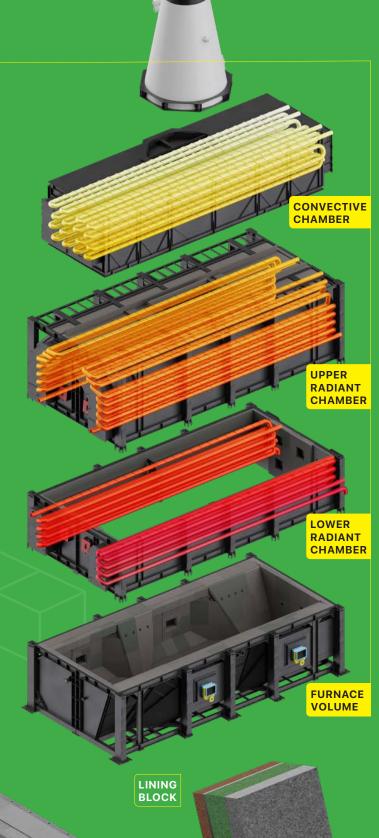
OF ENERGY TRANSFER
FROM COMBUSTION
PRODUCTS TO HEAT
REMOVAL SURFACES

# MULTILAYER BLOCK LINING OF THE FURNACE VOLUME

Provides reliable thermal insulation reducing heat loss.

A significant reduction in the aerodynamic removal of the outer layer of the lining material due to the strength of the block.





#### **TECHNICAL SPECIFICATIONS**

Useful thermal power of	8 Gcal/h	31.7466 MMBTU/h
Consumption of the heated product at Δt=40°C	600 m³/h	158 500 gal/h
The maximum pressure of the product at the entrance to the furnace is	63 kgf/cm²	896 psi
Number of burners	4 pcs	4 pcs
Gas consumption at the maximum mode of	1 000 m³/h	264 170 gal/h
Availability of a recursion system	yes	yes
Furnace efficiency	85%	85%
Climate conditions	-40°C+50°C	-40°F+120°F
Overall dimensions	length - 16,4 m width - 7,5 m height - 22 m	length - 53.8 ft width - 24.5 ft height - 72.2 ft



of the thermal energy by heating the blasting air is the most rational and fast-paying way to save fuel and increase efficiency



WE WERE ABLE
TO MEET THE HIGH
ENVIRONMENTAL
REQUIREMENTS
FOR CO<sub>2</sub> EMISSIONS
INTO THE ATMOSPHERE
AT THE LEVEL
OF 20 ppm



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