



RIFCO

Industrial Furnaces

Industrial Furnaces Car Bottom Furnaces

RIFCO Industrial Car Bottom Furnaces can accommodate a diverse range of load types, configurations and materials.

From single, large metal ingots for forging or rolling, to multiple weldments for stress relieving, to pre-cast refractory shapes for bake out--- Challenge us with your toughest furnace applications!

Standard Features

RIFCO Industrial Car Bottom Furnaces are one of the most versatile furnace designs available:

- **Built to suit your specifications!**
- Perfect for heating large or odd shaped pieces
- Suitable for multiple configuration batches with integral furnace car
- Moveable hearth allows for easier access when loading and unloading, including the use of overhead cranes
- Powered or Manual furnace cars
- Bulkhead or Guillotine (Swing-Up) style doors available
- Car Bottoms up to 100' long!
- Load sizes up to 100,000 lbs.!

Common Applications

- Tempering
- Forging - Open and Closed Die
- Foundries - Ferrous & Non- Ferrous
- Ceramics
- Heat Treating
- Aluminum aging
- Annealing
- Stress relieving and many more-

Insulation

RIFCO Patented 'Mega-Block'™ full-wall style ceramic fiber lining is featured on all RIFCO Industrial Furnaces in non-impact and non-load bearing areas:

- Suitable for both Plate and Expanded metal casings
- Utilizes stainless steel hardware
- Available in any shape or size
- Allows fiber to be uniformly compressed to compensate for fiber shrinkage at elevated temperatures

Temperature Range

Operating Temperatures from as low as 400° F to as high as 2,450° F

Heating Medium / Controls

- Electric, direct gas-fired or indirect gas heating systems available
- Intuitive cooling cycle burner control
- Full modulating, On-Ratio, Excess Air and Cascading Impulse type controls
- Pulse firing combustion control
- Single or multiple combustion / temperature zones available
- Many more...

Air Circulation

- High-temperature circulating fans available below 1,600° F
- In-Wall Style Flues
- Trim Flues

Door Features / Options

- Electromechanical, pneumatic or hydraulic door drives
- Chain-type door closure mechanism
- Bulkhead door adjustments
- Adjustable side containment plates
- Adjustable door stops
- Twin-axis swing type actuation

Installation

Modular designs for easy assembly and commissioning on site. Various options.

Options

- Pre-cast refractory shapes
- Furnace pressure controls
- Temperature recording
- Flame safety monitoring systems
- Many more...
- **Contact Us for more information!**

Manufactured by:

BENKO PRODUCTS
ENGINEERED TO BE MORE

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RIFCO Industrial Car Bottom Furnaces can be found in a variety of industries, including these and more:

- Steel Mills
- Forging- Open & Closed Die
- Foundries- Ferrous & Non-Ferrous
- Ceramics
- Heat Treating



75' long, 1,800° F Car Bottom Furnace
with 5 to 14 configurable air or load
sensing temperature control zones.
600,000 # capacity



Car Bottom Furnace with Pulse-fired type combustion control system.



Twin 2,100° F Car Bottom Furnaces
with Swing-Up style door and
chain-driven furnace cars.



Pulse fired Car Bottom Furnace
with manually driven furnace car.

Contact us for more information on a
custom solution for your application!

BENKO PRODUCTS
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WARRANTY: All products manufactured by Benko Products, Inc. have a two (2) year warranty (unless otherwise specified) from the date of shipment against defects in workmanship or material. Any part or component, except items covered by warranties of other manufacturers, returned to the factory or service center freight prepaid by the owner, found upon examination by Benko Products, Inc. to be defective or the result of improper workmanship by the factory will be repaired or replaced without charge and returned to the owner freight prepaid by Benko Products, Inc. Any alterations of Benko Products, Inc. products void any warranty or liability on the part of Benko Products, Inc. Benko Products, Inc. does not guarantee product capacity if alterations are made.