

TruTemp™

Car Bottom Furnace



Standard Features:

- Load car with onboard motor drive
- Motor driven vertical lift door
- Multiple upper and lower burner configuration for even temperature uniformity
- Gas flues arranged for optimal performance
- NEMA 12 Control Panel (machine-mounted)
- Multi-function electronic timer with end-of-cycle indicator light (on control panel)
- Single button E-stop on control panel
- Burner safety equipment
- Furnace chamber and hi-limit temperature controllers
- Standard temperature uniformities at $\pm 15^{\circ}\text{F}$

Additional Options:

- PLC/HMI for process automation
- Data acquisition
- Electric Heat
- Recirculation Fans
- Automatic Shutdown Circuit
- UL/CE Listed Electrical Panel – panel inspected, certified, serialized (CE provides declaration of conformity)
- Manual load car
- Pneumatic load car seals
- Spare Parts
- Field installation, installation supervision, commissioning
- Door on load car
- Temperatures to 2800°F
- Increased Burner Capacity



ITS Standard TruTemp™ Car Bottom Furnaces are an excellent solution to process your large and heavy materials, from welded fabrications and forgings to spun products and plates.

Processes include heat treating, homogenizing, annealing, preheating and stress relieving. Industries served are aerospace, oil drilling, steel mills, automotive, military and many more. Materials processed include aluminum, steel, cast iron, titanium and others.

The ITS Standard TruTemp™ Car Bottom Furnace has many established design features, such as vertical lift doors, rail mounted load cars, multiple upper and lower chamber gas fired burner arrangements and multi-layered insulation techniques with offset seams.

The ITS Car Bottom Furnace can be customized for each individual application.

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STANDARD CAR BOTTOM SIZES and CAPACITIES																					
Model Number	Chamber Dims			Overall Dims			Capacities		Qty of Burners	Design Temp	Max Temp	Voltage Range									
		INCHES	METRIC mm		INCHES	METRIC mm	LOAD LBS (kgs)	Burner Input BTU/Hr													
SCBF 6610	W	72	1829	W	153	3886	21,500 (10,000)	750,000	5	1050° F (565° C) +/- 15° F (9° C)	1200° F (650° C)	380/3/50 through 600/3/60									
	H	72	1829	H	265	6731	40,500 (18,500)	1,250,000													
	L	120	3048	L	178	4521	68,500 (31,000)	2,000,000													
SCBF 8812	W	96	2438	W	177	4496	23,000 (10,500)	900,000	6				1050° F (565° C) +/- 15° F (9° C)	1200° F (650° C)	380/3/50 through 600/3/60						
	H	96	2438	H	313	7950	47,500 (21,500)	1,500,000													
	L	144	3658	L	203	5156	82,500 (37,500)	2,400,000													
SCBF 101014	W	120	3048	W	201	5105	25,500 (11,500)	1,050,000	7							1050° F (565° C) +/- 15° F (9° C)	1200° F (650° C)	380/3/50 through 600/3/60			
	H	120	3048	H	358	9093	53,500 (24,500)	1,750,000													
	L	168	4267	L	227	5766	94,500 (43,000)	2,800,000													
SCBF 151020	W	180	4572	W	261	6629	30,000 (13,500)	1,350,000	8										1050° F (565° C) +/- 15° F (9° C)	1200° F (650° C)	380/3/50 through 600/3/60
	H	120	3048	H	358	9093	63,000 (28,500)	2,250,000													
	L	240	6096	L	299	7595	118,000 (53,000)	3,600,000													

TruTemp™ Car Bottom Furnace Features include:

- Meets temperature uniformity requirements of API
- Multi-layered insulation packages
- Optional high pressure recirculation fans with high efficiency motors to reduce energy consumption
- High-efficiency (gas or electric) heat sources to reduce energy costs
- Robust structural furnace framework
- Design considerations for easy access to process areas and oven components
- Private labeled and purchased components meet UL, UR, and CE standards
- NEMA style control panels
- Factory tested to ensure on time delivery and field start up
- 24/7 factory direct technical service and spare parts group