

## ◆ Drop Bottom Solution Heat Treat Furnace

**Proven dependability**

These furnaces are designed for economical operation for a variety of uses including commercial heat treating, Military or Aerospace requirements and Automotive Aluminum uses.

Despatch is a proven supplier of Drop Bottom Solution Heat Treat Furnaces with over 150 similar units sold. By providing proven product designs that incorporate state-of-the-art features, Despatch has become a low risk supplier to the industry for this type of equipment.



### FEATURES AT A GLANCE

- ◆ Delivered ready for production
- ◆ Simple, touch-screen operator control
- ◆ Economical for small part or low production runs
- ◆ Versatile down airflow minimizes temperature drop as doors open
- ◆ Excellent uniformity  $\pm 2.8^{\circ}\text{C}$  ( $\pm 5^{\circ}\text{F}$ )
- ◆ Automatic operation
- ◆ Quench tank agitation standard
- ◆ Custom sizes available

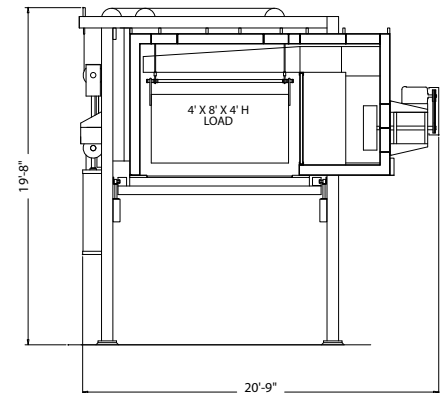
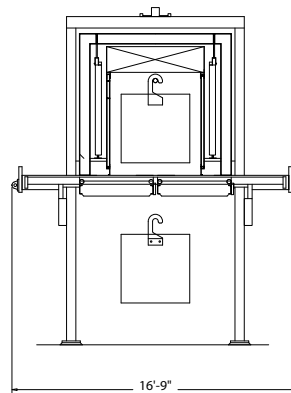
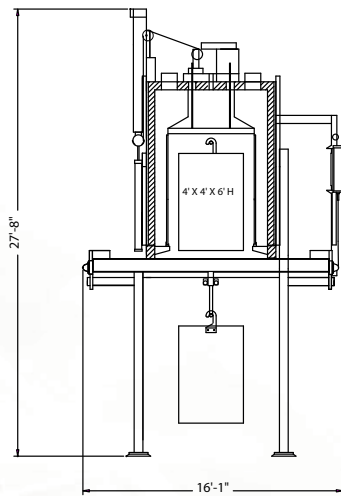
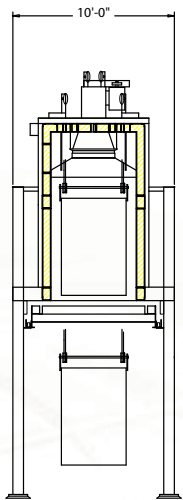
### OPTIONS

- ◆ Custom sizes and capacities
- ◆ Indirect gas-fired heating systems
- ◆ Stainless steel quench tanks
- ◆ Tank heat exchangers and water chillers
- ◆ Quench tank solution heaters
- ◆ Rinse tanks
- ◆ Load cars
- ◆ Load basket / rack design and fabrication
- ◆ PAG (poly alkylene glycol) concentration control and recovery systems
- ◆ Complete installation
- ◆ Complete start up service
- ◆ Age ovens
- ◆ After sale service and parts

	484 QQ	446 QQ
<b>PHYSICAL SPECIFICATIONS</b>		
Nominal Work Zones (width x depth x height)	4' x 8' x 4' 1.2m x 2.4m x 1.2m	4' x 4' x 6' 1.2m x 1.2m x 1.8m
Overall Size (width x depth x height)	16'9" x 20'9" x 19'8" 5.1m x 6.3m x 6m	10' x 16'1" x 27'8" 3m x 4.9m x 8.4m
<b>FUNCTIONAL SPECIFICATIONS</b>		
Operating Temperature	315°C - 538°C 600°F - 1000°F	315°C - 538°C 600°F - 1000°F
Maximum Temperature	650°C 1200°F	650°C 1200°F
Temperature Uniformity	± 2.8°C ± 5°F	± 2.8°C ± 5°F

## SPECIFICATIONS

- ◆ Hoist capacity of up to 4,500 lbs (2,041kg)
- ◆ SCR controlled electric coil type heating elements
- ◆ Seven second quench cycle
- ◆ PID control with touch screen and independent hi-limit
- ◆ Chartless recording controller
- ◆ Vertical down airflow with adjustable louvers in supply and return ducts
- ◆ Softwall construction with layered blanket type ceramic insulation, 7" (17.8cm) thick
- ◆ 3/16" (0.48cm) mild steel shell
- ◆ Pneumatic powered bi-parting doors with clamping cylinders to hold the doors tight to the furnace body
- ◆ Pneumatic/mechanical two point lifting system with load bar
- ◆ Plug type recirculation fan class 732°C (1350°F) rating
- ◆ Stainless steel ductwork



446 QQ Furnace illustration

484 QQ Furnace illustration

Custom sizes and capacities are available.



## SERVICE AND TECHNICAL SUPPORT

**service parts:** 1-800-473-7373  
**international service/main:** 1-952-469-8230  
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 service@despatch.com

## GLOBAL HEADQUARTERS

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