

◆ TFF Class A Walk-In Furnace

Large batch high temperature applications



Despatch TFF walk-in/truck-in furnaces are ideal for large batch processing that requires high temperatures. Common applications for these versatile furnaces including: aging, bonding, curing, drying, finish baking, heat treating and stress-relieving. Horizontal, recirculating air flow creates precise, consistent temperature uniformity throughout the furnace.

TFF Class A furnaces are specifically designed to meet NFPA 86 requirements for flammable solvents or large amounts of moisture removal and include a pressure relief panel, purge timer and exhaust fan.

TFF furnaces offer standard temperatures up to 1000°F. These high performance furnaces are fully assembled and factory tested prior to shipment and feature end-of-cycle and high-limit indicators.

The Despatch TAF and TFF Walk-In /Truck-In Furnace features a sturdy, welded, double-wall construction, seven inches of glass fiber insulation, and heavy-duty high temperature door gaskets. A stainless steel interior minimizes corrosion problems and provides long life.

FEATURES AT A GLANCE

- ◆ Temperatures up to 1000°F (538°C)
- ◆ Fully assembled and factory tested
- ◆ Digital control with 3/4" (1.9cm) LED display
- ◆ High limit over-temperature protection
- ◆ End-of-cycle and high-limit indicators
- ◆ Stainless steel interior
- ◆ High volume recirculating fan provides faster, more uniform heating - saving process time and improving product quality
- ◆ 5" thick insulated Floor with truck spacing
- ◆ High limit over-temperature protection

OPTIONS

- ◆ Protocol 3™ control with integrated data logging capabilities and USB port for simple oven set-up and data export
- ◆ Despatch unique adjustable louvers
- ◆ Loading trucks and shelves
- ◆ Access ports for test wires
- ◆ Proportioning gas fired heater
- ◆ Chart recorder
- ◆ Audible alarm



Shown with optional features

TFF 3-21

PHYSICAL SPECIFICATIONS

Chamber size (width x depth x height)	72 x 72 x 72 in. 183 x 183 x 183 cm
Capacity in cubic feet (liters)	216 (6116)
Oven body size (width x depth x height) Add 12 in. (30.5 cm) for the control panel to make overall width	145 x 86 x 114 in. 368 x 218 x 290 cm
Electrical: 480 volt, 60 hertz - 3 phase	153 kW
Exhaust outlet diameter	8 x 8.5 in. (20.3 x 21.6 cm)
Doors	2
Wall insulation thickness	7 in. (18 cm)
Floor insulation thickness	5 in. (12.7 cm)
Truck centers	48 in. (122 cm)
Approximate net weight	6450 lbs (2926 kg)

FUNCTIONAL SPECIFICATIONS

Minimum operating temp	150° F (65° C)
Maximum operating Temperature	1000° F (537° C)
Exhaust capacity (minimum/maximum)	240/750 CFM (113/354 l/s)
Solvent handling capacity at 204° C (400° F) MEK	0.33 GPH (1.25 l/h)
Forced exhaust HP	1 HP
Recirculating fan	7.5 HP
Control stability	+/- 0.5° C

Notes: Design uniformity figures are based on a nine-point test conducted in an empty oven after stabilization period. Minimum operating temperature and cooling times are based on 20°C ambient temperature measured at the fresh air inlet. Specifications are subject to change without notice. If the existing specifications differ from yours, ask about our customizing capabilities.

ADVANCED CONTROLS

Standard digital controls regulate temperatures within tight tolerances and provide high limit protection. For more advanced control choose the optional Protocol 3™ microprocessor-based temperature and hi-limit controller with large LCD display and real time clock for auto start capability. Data-logging functionality enables reporting and analyzing and data files can be exported via the controller's USB port.

The Dispatch Protocol Manager network utility software enables the operation of up to 32 Protocol 3™ and/or Protocol Plus controllers from a single, remote PC using RS485 communication.

SERVICE AND TECHNICAL SUPPORT

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