



**Fisher  
 Forced Draft  
 Series 700 Isotemp® Ovens**

**Model 718F  
 Catalog No. 13-245-718F & 719F  
 Model 738F  
 Catalog No. 13-245-738F**

Fisher Series 700 Isotemp® Forced Draft Ovens are medium-priced units that meet the performance requirements of most laboratory heating applications. As such, they incorporate design and construction features that assure convenient and efficient operation.

The series includes two sizes: Model 718F is 1.8 cu ft; and Model 738F is 3.8 cu ft. Model 718F is available for operation on 115V and 230V 50/60 Hz line service. Model 738F is only for 230V operation. Both models feature a broad 30 to 250°C operating range, with a control sensitivity better than 0.5°C. They are functionally designed with an uncluttered control panel that feature digital readout display, simple press-to-set temperature control, delayed start/stop timer, and exclusive Fisher Safety Sentinel® oven temperature protection. The control panel is sectionalized according to these functions for easy comprehension by the operator. Additionally, the oven includes non-tip shelves and a heavy duty door latch. The door can be opened a full 180 degrees for unobstructed access to the shelving. Integral leveling feet are provide at each corner, which can be adjusted while the oven is in place.

Open coil heaters function in the "black heat" range at low-watt density, assuring both economy of operation and a longer service life. Temperature uniformity and stability are enhanced by a thick insulating layer that surrounds the corrosion-resisant stainless steel chamber. They are additionally enhanced by the efficient airflow design: Fresh air is mixed with preheated air, and then directed horizontally across the samples by a large internal blower. Adjustable intake and exhaust ports are located on top of the oven to control the atmospheric air changes per minute.

Heaters are side mounted to provide more usable space, thus allowing the chamber bottom to be used as another shelf. Two chrome plated steel wire shelves are provided with each model.

**SPECIFICATIONS**

**Power Requirements**

Model 718F	115VAC 50/60 Hz
Model 719F	230VAC 50/60 Hz
Model 738F	230VAC 50/60 Hz

**Temperature Range**

30 to 250°C

**Control Sensitivity**

< ± 0.5°C

**Average Uniformity**

± 2.5°C

**Recovery Time @ 100°C**

Model 718F	< 1.5 min.
Model 738F	< 1.5 min.

**Chamber Volume**

Model 718F	1.8 cu ft
Model 738F	3.8 cu ft

**Chamber Size**

Model 718F	16"D x 12"W x 16"H
Model 738F	18"D x 18"W x 20"H