

HF4-2, Horizontal Air Flow Ovens 300°C



HF4-2

MRC High Performance Ovens are engineered to meet the most critical temperature requirements. They are designed for continuous drying operations at temperatures up to 300°C. Factory-set over temperature protection prevents control failure from damaging contents and guards against burnout. The Watlow controller provides a 24-step ramp and soak, 0.1°C control, multiple levels of operator access and automatic resumption of program following a power failure. Time and temperature are displayed in a three-digit LED readout for fast and accurate setting. In addition, the sealed membrane touch-pad control panel is water and acid resistant. Horizontal air flow provides fast heat-up and recovery & ensures rapid drying. Heated air is continuously circulated by twin turbo blowers.

Blowers also circulate air to motor bearings to prolong motor life. Punched stainless steel shelves are adjustable on 1/2 inch centers. Adjustable three air intake and exhaust ports can be opened for fast drying of high-moisture content samples. The 3.5 inch thick wrap-around fiberglass insulation on all sides minimizes heat loss.

A high temperature gasket door seal eliminates air leakage and ensures longer gasket life while being subjected to extreme operational temperatures. This unit includes long-lasting, low-watt density heating elements. It also has adjustable heavy-duty hinges & a door latch that are designed for lifetime service.

The HF4 has rugged, welded construction with a double-walled, corrosion-resistant type 304 stainless steel interior and a powder-coated exterior.

Model	HF4-2
Capacity (Liters)	139
Interior dimension (cm)	W52xD52.7xH50.8
Exterior dimension (cm)	W88.9xD77.5xH95.3
Temperature range	15°C above ambient to 300°C
Temperature uniformity	±1.0°C at 110°C
Electrical specifications	Volts: 220V Hz:50/60 Watts: 2200 Amps: 12
Temperature recovery time	4 min to reach 110°C
Heat-up (min)	10 min to 110°C (20 min to 180°C)
Shelves	2 Supplied (8 maximum)

CE3F-2 & CE5F-2, Horizontal Air Flow Ovens 300°C

The CE Oven Series incorporates the Sure Load shelf system, triple wall construction, and easy-to-read microprocessor controls. Users can adjust the air exhaust from the chamber without being near the the heat source. Even at operating temperatures of 225°C, the outer skin of this unit meets all CE requirements, so workspace remain cool.



CE3F-2

The 99 hr 59 min digital timer has an independent control, so its use is optional. Once the timer expires, the heating elements turn off while the blower continues running to cool the samples inside the oven. Whatever the application, these forced air ovens deliver precise uniformity, air distribution and the peace of mind expected from the MRC brand. All of the MRC CE Series ovens are CE approved. The CE family is our latest installment of a product of Constant.

Model	CE3F-2	CE5F-2
Capacity (Liters)	86	139
Inside DIM.(mm)	W419xD489xH419	W533xD489xH534
Outside DIM.(mm)	W660xD686xH90.2	W775xD699xH1016
Temperature Range	15°C above ambient to 230°C	15°C above ambient to 225°C
Temp. Uniformity	±2.0°C at 150°C	±2.5°C at 150°C
Electrical Spec.	Volts: 220V Hertz: 50/60 Hz Watts: 1100 Amps: 5	Volts: 220V Hertz: 50/60 Hz Watts: 1500 Amps: 6.5
Temp. Recovery Time	5 minutes at 150°C	8 minutes at 150°C
Heat-up (min)	36 minutes at 150°C	30 minutes at 150°C
Shelving	2 Supplied (8 Maximum)	

Features:

- Microprocessor Controls
- Horizontal Air Flow
- Cool Touch Damper
- Digital Timer to 99 hr and 59 min.