

Ovens-400,500,600 deg C



Model: LHT30/60/120, High Temperature Ovens up to 600°C, 30 liter, 60 liter, 120 liter



LHT-60

MRC high temperature range of ovens operating at temp. up to 600°C is offered in three sizes. All models are capable of continuous operation at maximum temperature. The outer cases are fabricated from corrosion resistant zinc coated mild steel & finished in two tone hard wearing stoved epoxy/polyester coating. The inner chamber is constructed from polished stainless steel which provides resistance to chemical attack & allows easy cleaning after use. All units are provided with stainless steel shelves with multi-position settings for convenient loading & unloading. Maintenance free heating elements and fan motor are fitted. Low thermal mass insulation materials are used throughout in order to achieve rapid heating and to allow efficient energy utilisation. The heavy duty fan ensures optimum temperature uniformity throughout the work chamber. Double skin construction provides a cool safe outer case.

Digital temperature control
The control module is able to house many variations of digital instrumentation with simultaneous display of measured and set temperature. Microprocessor based PID controllers are fitted as standard.

Model	400°C	LHT 4/30	LHT 4/60	LHT 4/120
	500°C	LHT 5/30	LHT 5/60	LHT 5/120
	600°C	LHT 6/30	LHT 6/60	LHT 6/120
Chamber (H)		300	400	650
Dimensions (W)		300	400	480
(mm) (D)		305	405	405
External (H)		570	670	920
Dimensions (W)		830	930	1030
(mm) (D)		570	670	670
Usable Volume(liters)		30	60	120
Heat up time (mins)	400°C	50	50	50
	500°C	75	75	75
	600°C	120	120	120
Recovery time (mins)	400°C	10	10	10
	500°C	16	16	16
	600°C	20	20	20
Temp. stability				
On/off control		±1.5°C	±1.5°C	±1.5°C
PID control		±0.5°C	±0.5°C	±0.5°C
Temp. uniformity (at 600°C)		±5°C	±5°C	±5°C
Power (Watts)	400°C	1000	1500	2250
	500°C	2000	2250	3000
	600°C	2000	2250	3000
No of shelves supplied		2	2	2
Weight (kg)		73	99	179

Model: HF2-2, CleanRoom Oven, 124 liter, 300 deg C



Model HF2-2 High Performance Clean Room Oven, The MRC clean air ovens incorporate all the special features needed for high temp. cleanroom work: a seam welded, Type 304 stainless steel interior, including two stainless steel shelves, rapid heat recovery, & two separate LED digital displays for time & temperature that show setpoint or up-to-the-second process information. The Watlow* PID (Proportional Integral Differential) controller provides 24-step ramp & soak, 0.1°C control, and multiple levels of operator access. A sealed membrane touch-pad control panel protects the controllers. Adjustable 3 air intake and exhaust ducts are easily removed for cleaning, & allow use of either room or recirculated air. A nitrogen inlet port for purging is standard to prevent contamination. With 3.5 inches of high-temperature, wrap-around insulation & a high-temperature silicone rubber door seal. Punched stainless steel shelves adjustable on 0.5 inch centers.



HF2-2

System Type	Inert Atmosphere Cleanroom Mechanical Convection
Controls/Display	24-Step Programmable
Chamber Capacity	124.6 Liters
Temperature Range	Amb. +15 to 300°C
Temperature Uniformity	±1.0°C at 110°C
High Limit Control	Yes
Heat-up time to 180°C	20 minutes
Recovery time to 110°C	4 minutes
Timer	Yes

External Dimensions	89x73.7x96.5cm
Internal Dimensions	43.2x51x51cm
Shelves Supplied	2 Shelves
Maximum Shelves	8 Shelves
Shipping Weight in Kg	109
Certifications	UL, CE
Element Watage	2200
Electrical Requirements	Max. Amp draw at 120Vac: N/A Max. Amp draw at 220Vac: 12 Power Frequency/Phase: 50-60 Hz/Single Phase