

Ovens

High Performance Ovens



SMO10HP-2

SHEL LAB High Performance Ovens are engineered to meet the most critical temperature requirements. They are designed for continuous drying operations at temperatures up to 306°C*. Factory-set overtemperature protection prevents control failure from damaging contents and guards against burnout. The 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 and ensures rapid drying. Heated air is continuously circulated by twin turbo blowers. 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.

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, optional factory installed reversible door, and a door latch that is designed for lifetime service. These ovens have rugged, welded construction with a double-walled, corrosion-resistant stainless steel interior and a powder-coated exterior.



SMO14HP-2



SMO38HP-2

*SMO14HP-2 and SMO38HP-2 reach 260°C

Precise Temperature Control - Superior Uniformity

2 Year Limited Warranty!

- Temperature Control 0.1°C
- Temperature Range Ambient (SM014HP-2 + SM038HP-2)+ 15°C to 260°C
- Temperature Range Ambient (SM05HP-2 + SM010HP-2 + SM028HP-2) + 15°C to 306°C



Horizontal Airflow High Performance	Model Number					
	220-230V Controller	SM05HP-2 Watlow EZ-Zone	SM010HP-2 Watlow EZ-Zone	SM014HP-2 Jumo	SM028HP-2 Watlow EZ-Zone	SM038HP-2 Jumo
Exterior Dimensions (wxdxh)	Inches	35.0 x 30 x 37.6	44.1 x 29.9 x 56.7	59.0 x 29.0 x 57.0	42.5 x 34.1 x 85.9	68.5 x 33 x 78.5
	mm	889 x 747 x 955	1121 x 760 x 1440	1498 x 736 x 1448	1080 x 866 x 2182	1740 x 838 x 1994
Chamber Dimensions (wxdxh)	Inches	20.5 x 20.7 x 20.0	29.8 x 20.6 x 30.0	30.8 x 24.8 x 31.0	31.7 x 26.0 x 60.9	48.0 x 25.5 x 54.0
	mm	520 x 527 x 508	757 x 524 x 762	782 x 630 x 788	805 x 660 x 1546	1219 x 648 x 1372
Incubator Chamber Capacity	cu ft	4.9	10.6	14.6	28	38
	L	139	301	413	793	1083
Temperature Uniformity	Celsius	+/- 2°C at 150°C	+/- 2.5°C at 150°C	+/- 2.5°C at 150°C	+/- 2.5°C at 150°C	+/- 2.5°C at 150°C
Recovery Time (30 Sec.)	Minutes	5 to 150°C	3 to 150°C	3 to 150°C	3 to 150°C	3 to 150°C
Number of Shelves	Included	2	3	6	6	12
	Maximum	4	8	14	12	20

*All specifications are determined by using average values on standard equipment at an ambient temperature of 25°C (77°F) and line voltages within +/-10% of unit type (115V/230V). Temperature specifications follow DIN 12880 methodology. We reserve the right to change specifications at any time. For a complete list of product specifications, call (800)322-4897 or visit the Sheldon website, sheldonmfg.com/shel-lab

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