



PRECISION LAB OVEN
STANDARD / GMP MODEL

Engineered for precision heating, drying, sterilization and advanced laboratory applications.

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PRECISE
TEMPERATURE
CONTROL
- 

RELIABLE
& SAFE
OPERATION
- 

DURABLE
& EFFICIENT
PERFORMANCE
- 

ENERGY
EFFICIENT
DESIGN

IDEAL FOR

- 

Pharmaceutical
Industry
- 

Educational
Institutes
- 

Research
Laboratories
- 

Industrial
Laboratories
- 

Quality Control
& Testing



- 

MAX.
WORKING TEMP
300°C
- 

CONTINUOUS
WORKING TEMP
300°C
- 

TEMPERATURE
ACCURACY
±0.5°C
- 

AVAILABLE IN
STANDARD &
GMP MODELS

FEATURES & BENEFITS

- ✓ Memmert type electrically heated oven for wide range of laboratory applications.
- ✓ Triple body construction for superior insulation and safety.
- ✓ Advanced microprocessor based PID controller for high accuracy.
- ✓ Uniform air circulation with top mounted blower for consistent temperature.
- ✓ Stainless steel interior (S.S. 304) for durability and easy cleaning.
- ✓ Digital timer up to 99.99 Hrs with buzzer alarm.
- ✓ Safety thermostat and multiple safety interlocks for protection.
- ✓ Attractive finish & aesthetic design.
- ✓ Available in Standard & GMP models.

SAFETY INTERLOCKS & FEATURES

- ✓ Overload safety cut-off
- ✓ Over temperature protection
- ✓ Safety for input power fluctuation
- ✓ 1-Phase indication lamp
- ✓ Emergency switch off
- ✓ Safety thermostat to protect against over shoot temperature

TECHNICAL SPECIFICATIONS

Type of Oven	Electrically heated Memmert type
Construction	Triple body construction
Material of Construction (Standard)	Inner: S.S. 304 (or MS/GI) Intermediate: S.S. 304 & G.I. Outer: G.I. powder coated
Material of Construction (GMP)	Inner: S.S. 304 (Mirror Finish) Intermediate: S.S. 304 Outer: S.S. 304 (Matt Finish)
Max. Working Temperature	300°C
Continuous Working Temperature	300°C
Temperature Controller	Microprocessor based PID controller with dual display & Siemens / INT contactor
Temperature Accuracy	± 0.5°C
Temperature Sensor	Calibrated RTD type thermocouple (upto 400°C) with accuracy ± 0.1°C
Heater	Stainless steel tubular heater with clamp
Insulation	Glass wool dense grade
Blower	Flange type motor (1/20 HP) with blower, top mounting, center suction side discharge
Timer	In-built timer up to 99.99 Hrs. (bypassable)
Power Supply	230 V AC, 50 Hz, 1 Phase

SPARES REQUIRED FOR 5 YEAR TROUBLE FREE OPERATION

 Heating Coil 1 Set	 Solid State Relay 1 No	 Thermocouple 1 No	 Switchgear (Main Switch & Bulb) 3 No Each	 Blower Motor 1 No	 Data Logger (Extra if Required)
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MODEL & SIZE RANGE

Model No.		Capacity		DIMENSION IN CMS		SHELVES	WT IN KG		POWER	
Standard	GMP	Cu. Ft	Litres	Chamber (W x D x H)	Over All Unit (W x D x H)		Unit	Packed in Wooden Case	VAC Hz	Watts
PIS101S-1	PIS101G-1	1	27	30 x 30 x 30	53 x 47 x 62	1	35	47	230,50	1200
PIS101S-1.5	PIS101G-1.5	1.5	45	40 x 40 x 40	63 x 67 x 72	2	40	55	230,50	1500
PIS101S-3	PIS101G-3	3	90	45 x 45 x 45	68 x 72 x 77	2	56	70	230,50	2000
PIS101S-4	PIS101G-4	4	120	45 x 45 x 60	68 x 72 x 87	2	65	75	230,50	2500
PIS101S-8	PIS101G-8	8	200	60 x 60 x 60	83 x 87 x 87	2	75	100	230,50	2800
PIS101S-12	PIS101G-12	12	324	60 x 60 x 90	83 x 87 x 117	3	100	125	230,50	3000
PIS101S-16	PIS101G-16	16	450	60 x 60 x 125	80 x 130 x 162	4	140	175	230,50	4000
PIS101S-21	PIS101G-21	21	600	60 x 80 x 125	80 x 130 x 182	5	165	205	230,50	4500
PIS101S-28	PIS101G-28	28	800	80 x 80 x 125	100 x 130 x 197	5	205	250	230,50	5000
PIS101S-34	PIS101G-34	34	1000	80 x 80 x 155	100 x 130 x 207	5	250	300	230,50	6000

⚡ Electrical Requirement: 220–240V, 50/60Hz, Single Phase

PHOENIX INDIA SOLUTIONS

📍 Cosmos Heritage, Aditya A 101, opp. Happy Valley,
Manpada, Thane West - 400610

📞 9819541517 | ✉ hitesh.birla@phoenixindiasolution.com | 🌐 www.phoenixindiasolutions.com

LET'S RISE TOGETHER
WITH QUALITY THAT LASTS

