



Moisture Determination

Perfect for Inert Atmosphere Moisture Testing!



Model 3624



Product Description

- P.I.D. microprocessor temperature controller, radiant warm wall heating design, and manifold airflow system provides controlled conditions for optimal consistency and reproducibility in moisture analysis.
- Solid, insulated door with silicone chamber gasket minimizes heat loss.
- Front-mounted three-way flow pump control valve, vacuum control valve, and air inlet valve for easy operation.

- 150°C (302°F) maximum temperature
- P.I.D. microprocessor controls temperature to $\pm 1.0^\circ\text{C}$
- 1.1 cu. ft. (31.1 l) or 1.7 cu. ft. (48.1 l) chamber capacity
- ☆ 24 Month Warranty

- Three removable perforated aluminum shelves included.
- Corrosion-resistant stainless steel chamber construction.
- Vacuum and air lines constructed with corrosion-resistant stainless steel tubing for optimum chamber cleanliness and long term performance.
- Durable heavy gauge steel cabinet with powder coated finish.

Operation

- P.I.D. microprocessor temperature controller regulates temperature from ambient $+5^\circ\text{C}$ to 150°C (302°F) with $\pm 1.0^\circ\text{C}$ control or better and $\pm 1.8^\circ\text{C}$ uniformity. (Model 3624 1.7 cu. ft.)
- Standard Type-K sheathed thermocouple under center chamber shelf monitors actual chamber temperature - $\pm 0.5^\circ\text{C}$ control or $\pm 1.7^\circ\text{C}$ uniformity (Model 3623 1.1 cu. ft.)
- Convenient LED temperature display shows set point and actual temperature.
- Vacuum gauge displays regulated chamber vacuum levels between 0 and 30" Hg.
- Optional rigid and/or flexible Type-K thermocouple probes can be used to sense internal temperature on the upper and lower shelves.
- Nitrogen, CO_2 , desiccated air and other inert, non-flammable gases can be used in the oven to achieve a controlled atmosphere.

Safety

- Adjustable backup high-limit hydraulic thermostat protects samples in case of primary system failure.
- Pilot light warns operator when high-limit temperature has been reached and the high-limit thermostat is controlling the oven temperature.

Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Volume cu. ft. (l)	Shipping Weight Lb. (kg)
	W	H	D	W	H	D		
3623	12 (30)	12 (30)	13.5 (34)	20 (51)	27 (69)	18 (46)	1.1 (31.1)	230 (104)
3624	12 (30)	12 (30)	20 (51)	20 (51)	27 (69)	26 (66)	1.7 (48.1)	270 (122)

OPERATING SPECIFICATIONS

Type	Operating Temp Range $^\circ\text{C}$	Rise Time (Ambient to 100°C)	Control @ 100°C 25" Hg	Uniformity @ 100°C 25" Hg	Vacuum Range
3623	Ambient $+5^\circ\text{C}$ to 150°C	5 hours	$\pm 0.5^\circ\text{C}$	$\pm 1.7^\circ\text{C}$	0-30" Hg
3624	Ambient $+5^\circ\text{C}$ to 150°C	6 hours	$\pm 1.0^\circ\text{C}$	$\pm 1.8^\circ\text{C}$	0-30" Hg

ORDERING INFORMATION

Model #	Description	Volts	Electrical (50/60 Hz)		US List Price
			Amps	Watts	
3623 ¹	Moisture Determination	120	5.0	600	\$6,632.00
3623-1	Moisture Determination	240	2.5	600	\$6,632.00
¹ CSA					
Model #	Description	Volts	Electrical (50/60 Hz)		US List Price
			Amps	Watts	
3624 ¹	Moisture Determination	120	5.0	600	\$6,721.00
3624-1	Moisture Determination	240	2.5	600	\$6,721.00

ACCESSORIES FOR OPTIONAL TYPE-K THERMOCOUPLES

Model Suffix	Description	US List Price
A	Flexible (mount under upper or lower shelf)	\$243.34
When ordering, oven model number should precede thermocouple model—e.g., 3623A		
Model Suffix	Description	US List Price
B	Rigid (Upper Shelf)	\$156.82
C	Rigid (Lower Shelf)	\$156.82