



**PRODUCTS**



**APPLICATIONS**

Cleaning Glassware

Dried Fruit

Cosmetics

# OVENS

## SELECTION GUIDE

### GRAVITY AND MECHANICAL CONVECTION OVENS

Description	Operating Temp Range °C	Chamber Volume cu. ft. (l)	Temperature Control °C	Temperature Uniformity °C	Page
<b>Our Most Compact, Multipurpose Ovens!</b> Oven Incubator Hot Plate-Oven	AMB +5 - 140 38 - 250	0.9 (25.5) 0.1 (2.8)	±1.5 @ 37°C N/A	±1.5 @ 37°C N/A	195
<b>Large Capacity Ovens for General Lab Applications!</b> Imperial V Gravity Convection	AMB +5 - 270	2.9 (82.1) 3.8 (107.6) 4.8 (135.9)	±1.0 @ 200°C	±6.0 @ 200°C	196
<b>Value-Priced with Optimal Uniformity and Safety!</b> Imperial V Mechanical Convection	AMB +5 - 270	2.5 (70.8) 3.5 (99.1) 4.4 (124.6)	±1.0 @ 200°C	±2.0 @ 200°C	197
<b>Our Premium, High Performance Ovens!</b> Imperial V Digital Mechanical Convection	AMB +5 - 300	2.5 (70.8) 3.5 (99.1) 4.4 (124.6)	±0.2 @ 200°C	±2.0 @ 200°C	198
<b>Our Most Economical Ovens for Basic Drying and Baking Applications!</b> Low Cost Gravity Convection Low Cost Mechanical Convection	AMB +5 - 210	0.7 (19.8) 1.7 (48.1) 3.1 (87.8) 5.7 (161.4)	±9.0 @ 100°C ±4.0 @ 100°C	±5.0 @ 100°C ±7.0 @ 100°C	200
<b>Ovens with Control and Flexibility!</b> Mechanical Convection	AMB +10 - 250	1.9 (53.8) 2.9 (82.1) 5.0 (141.6)	±10°C @ 250°C	±3.6°C @ 250°C ±3.85°C @ 250°C ±3.95°C @ 250°C	202
<b>Our Largest Oven for Heavy Loads!</b> Heavy Duty Oven	AMB +10 - 250 AMB 11 - 205	8 (266.5) 12.5 (354.0) 18 (509.7)	±0.2@150°C ±0.7@200°C N/A	±3°C @ 150°C ±4.0@200°C ±2°C @ 150°C	203
<b>Ultra Clean for Semiconductor and Electronics Applications!</b> Class "100" Clean Room	AMB +5 - 250	2.6 (73.6) 2.8 (79.2) 3.6 (101.9) 4.6 (130.2)	±0.2 @ 200°C	±1.5 @ 200°C	204-205

### VACUUM OVENS

Description	Operating Temp Range °C	Chamber Volume cu. ft. (l)	Temperature Control °C @ 25"Hg	Temperature Uniformity °C @ 25"Hg	Page
<b>Our Most Popular, Multipurpose Vacuum Ovens!</b> Vacuum, Hydraulic Thermostat Vacuum, Microprocessor Control	AMB +5 - 220	0.44 (12.5) 0.7 (19.8) 2.3 (65.1)	±1.5 @ 100°C ±1.0 @ 100°C ±1.0 @ 100°C	±2.2 @ 100°C ±4.0 @ 100°C ±5.0 @ 100°C	206
<b>Perfect for Inert Atmosphere Moisture Testing!</b> Moisture Determination (MDO)	AMB +5 - 150	1.1 (31.1) 1.7 (48.1)	±0.5 @ 100°C ±1.0 @ 100°C	±1.7 @ 100°C ±1.8 @ 100°C	208
<b>Ideal for Elevated Temperature Aging Tests!</b> Hi-Temp "Squaroid" Vacuum	AMB +5 - 300	1.1 (31.1) 1.7 (48.1)	±0.5 @ 100°C	±3.0 @ 100°C	209

### COMPACT LOW COST VACUUM DRYING SYSTEM



- Constant speed induction blower motor circulates air throughout chamber.
- Heated air is forced up sides of oven chamber to openings in sidewall plenums.
- Heated air is then drawn down through center of oven chamber, reheated, and recirculated.
- Exhaust vapors are vented at top of oven.
- Included on Series 3470M and 3480M only