



INSTRUGRAM VENTURES

Quality laboratory equipments and systems

CHAMBERS



WALK IN CHAMBER

Temp. Range : 20°C to 60°C
 Temp. Accuracy : ± 0.2°C
 Temp. Uniformity : ± 1°C
 Humidity Range : 40% Rh to 95% Rh
 Humidity Accuracy : ± 2%Rh
 Humidity Uniformity : ± 3%Rh
 Capacity (Lt.) : 5400, 6400, 8000,
 9600, 15000, 18000



STABILITY CHAMBERS

Temp. Range : 20°C to 60°C
 Temp. Accuracy : ± 0.2°C
 Temp. Uniformity : ± 1°C
 Humidity Range : 40% Rh to 95% Rh
 Humidity Accuracy : ± 2%Rh
 Humidity Uniformity : ± 3%Rh
 Capacity (Lt.) : 100, 170, 200, 285, 325, 400,
 600, 800, 1000, 1500, 2000



PHOTO STABILITY CHAMBERS

Temp. Range : 20°C to 50°C
 Temp. Accuracy : ± 0.2°C
 Temp. Uniformity : ± 1°C
 Humidity Range : 40% Rh to 90% Rh
 Humidity Accuracy : ± 2%Rh
 Humidity Uniformity : ± 3%Rh
 Capacity(Lt.) : 120, 170, 200, 285, 325



B.O.D INCUBATOR

Temp. Range : 5°C to 60°C
 Temp. Accuracy : ± 0.5°C
 Temp. Uniformity : ± 2°C
 Capacity (Lt.) : 100, 170, 200, 285, 325, 400,
 600, 800, 1000, 1500, 2000



BACTERIOLOGICAL INCUBATOR

Temp. Range : 5°C Above Ambient to 60°C
 Temp. Accuracy : ± 0.2°C
 Temp. Uniformity : ± 1°C
 Capacity (Lt.) : 43, 91, 100, 170, 200, 285, 325,
 400, 600, 800, 1000, 1500, 2000



DEEP FREEZER

Temp. Range : -20°C to -40°C
 Temp. Accuracy : ± 3°C
 Capacity (Lt.) : 100, 170, 200, 285, 325, 400, 500



DUAL CHAMBER

"InstruGram" make Dual Chamber are designed to provide space saving solution. Ideal for lab with limited space wherein combination of different equipment is provided in single vertical model.

Available in any combinations of :

- Lab Refrigerator
- Deep Freezer
- BOD Incubator
- Stability Chamber etc.
- Bacteriological Incubator



LAB REFRIGERATOR

Temp. Range : 2°C to 8°C
 Temp. Accuracy : ± 0.5°C
 Temp. Uniformity : ± 2°C
 Capacity (Lt.) : 100, 170, 200, 285, 325, 400,
 600, 800, 1000, 1500, 2000



GLASS DOOR LAB REFRIGERATOR

Temp. Range : 2°C to 8°C
 Temp. Accuracy : ± 0.5°C
 Temp. Uniformity : ± 2°C
 Capacity (Lt.) : 100, 170, 200, 285, 325, 400, 600, 800, 1000,
 1500, 2000

OVENS



LABORATORY OVEN NATURAL CONVECTION

Temp. Range: 5°C above ambient to 250°C
Temp. Accuracy : ± 0.5°C
Capacity (Lt.) : 43, 91, 122, 216



**LABORATORY PRECISION OVEN
FORCED AIR CIRCULATION**

Temp. Range : 225°/ 250°C / 300°C
Capacity (Lt.) : 43, 91, 122, 216, 324, 400, 600, 800, 1000



**LABORATORY DRYING OVEN
(FORCED AIR DRAFT)**

Temp. Range: 5°C above ambient to 250°C
Temp. Accuracy : ± 0.5°C
Capacity (Lt.) : 43, 91, 122, 216



HIGH TEMPERATURE OVEN

Temp. Range : 50°C to 400°C
Temp. Accuracy : ± 0.5°C
Temp. Uniformity : ± 10°C
Capacity (Lt.) : 43, 91, 122, 216, 325



VACCUM OVEN

Temp. Range : 50°C to 200°C
Temp. Accuracy : ± 0.2°C
Vacuum Capacity : Can withstand a vacuum of 760mm of mercury.



DRUM HEATER

The drum heater & base heaters for drums in the vertical position and is suitable for melting material in drum



GLASS WINDOW OVEN

Temp. Range: 5°C above ambient 250°C / 225°C
Temp. Accuracy : ± 0.2°C
Temp. Uniformity : ± 5°C
Capacity (Lt.) : 43, 91, 122, 216, 325



HUMIDITY OVEN

Temp. Range : 5°C above ambient to 60°C
Humidity Range : Above 90% to 95%RH
Capacity (Lt.) : 100, 170, 200, 285, 325



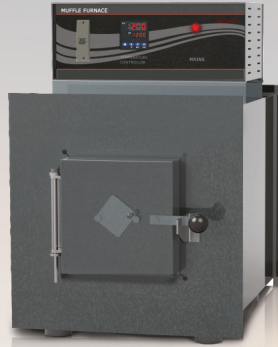
TRAY DRYING OVEN

Temp. Range : 50°C to 150°C / 200°C
Temp. Accuracy : ± 0.5°C
Supply 1 Ph, 230V, or 3 Ph, 440V, 50Hz, AC
Loading Capacity : 12, 24, 48 & 96 trays

FURNACES



HIGH TEMPERATURE FURNACE
Temp. Range : 1700°C Max. (1600°C cont.)



MUFFLE FURNACE
Temp. Range : 930°C / 1150°C



MUFFLE FURNACE WITH SHELL
Max. Temp. : 1150°C



MUFFLE FURNACE
Temp. Range : 1300°C / 1400°C



TUBE FURNACE
Temp. Range : 1450°C to 1700°C



SPLIT TUBE FURNACE
Temp. Range : 1450°C to 1700°C



CVD FURNACES
Chemical Vepour Deposition



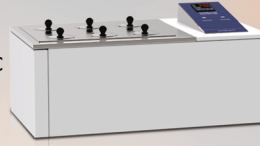
RAISING HEARTH FURNACE
Temp. Range : 1350°C / 1450°C

WATER BATH



CONSTANT TEMPERATURE WATER BATH

Temp. Range : 5°C above ambient to 90°C
Temp. Range : 5°C
Capacity (Lt.) : 14, 20, 30, 40, 50



WATER BATH

Temp. Range : 5°C above ambient to 95°C
Temp. Range : 5°C
Temp. Control : Thermostatic / Digital



WATER BATH (SEROLOGICAL)

Temp. Range : 5°C above ambient to 60°C
Temp. Accuracy : $\pm 0.5^\circ\text{C}$
Temp. Control : Thermostatic / Digital



ULTRASONIC BATH

Temp. Range : 5°C above ambient to 65°C
Frequency Accuracy : 40Khz, +3Khz



SHAKER WATER BATH

Temp. Range : 5°C above ambient to 95°C
Temp. Accuracy : $\pm 0.5^\circ\text{C}$
Shaking Speed : 40 to 120 RPM
Speed Indicator : Digital



THAWING BATH

Temp. Range : 5°C above ambient to 90°C
Temp. Accuracy : $\pm 0.5^\circ\text{C}$
Capacity (Lts.) : 14, 20, 30, 40, 50



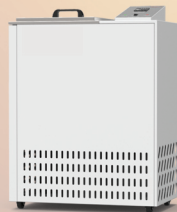
MBRT WATER BATH

Temp. Range : 5°C above ambient to 98°C
Supply : 230 V, Single Phase
Optional : Stirring Mechanism



MBRT WATER BATH GLASS WINDOW WATER BATH

Maximum Temperature : 5° C above ambient to 90°C
Temperature Accuracy : $\pm 1^\circ\text{C}$



CRYO BATH

Temp. Range : 5°C to 90°C OR
Temp. Range : -20°C

AUTOCLAVES



LABORATORY AUTOCLAVE

Temp. Range : 121°C to 125°C
 Pressure Range : 15 to 22 PSI
 Factory Set : 15 PSI at 121°C
 Supply : 230 Volt, AC, Single Phase, 50Hz
 Also available with 30 PSI



SURGICAL / TRIPPLE WALL AUTOCLAVE

Temp. Range : 121°C to 125°C
 Pressure Range : 15 to 22 PSI
 Factory Set : 15 PSI at 121°C
 Supply : 230 Volt, AC, Single Phase, 50Hz



PEDAL FREE AUTOCLAVE

Temp. Range : 121°C to 125°C
 Pressure Range : 15 to 22 PSI
 Factory Set : 15 PSI at 121°C
 Supply : 230 Volt, AC, Single Phase, 50Hz
 Also available with 30 PSI



RADIAL LOCKING AUTOCLAVE

Temp. Range : 121°C to 125°C
 Pressure Range : 15 to 22 PSI
 Factory Set : 15 PSI at 121°C
 Supply : 230 Volt, AC, Single Phase, 50Hz



SINGLE LEVER AUTOCLAVE

Temp. Range : 121°C to 125°C
 Pressure Range : 15 to 22 PSI
 Factory Set : 15 PSI at 121°C
 Supply : 230 Volt, AC, Single Phase, 50Hz

AIR HANDLING



FUME HOOD - TABLE TOP



FUME HOOD - FLOOR MODEL



DYNAMIC PASS BOX



LAB CLEAN POSITIVE PRESSURE SYSTEM



LEAK TEST APPARATUS



STATIC PASS BOX



COD DIGESTER



VERTICAL LAMINAR AIR FLOW UNIT



RECTANGULAR HOT PLATES
Max. Temp. 300°C



CIRCULAR HOT PLATES
Max. Temp. 300°C



OIL BATH
Max. Temp. 200°C

INSTRUGRAM VENTURES

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Note: Images are only for illustration purposes, actual product may differ.

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