

LABORATORY REFRIGERATORS AND FREEZERS

Key of abbreviations:

- Vario: Laboratory refrigerators
- Frezolab: Laboratory freezer
- S: Stainless steel
- W: White coated galvanized steel
- SD: Solid Door
- GD: Glass Door
- ATEX: Explosion proof
- Numerical (e.g. 500): Gross volume
- For ordering you need to mention the model as follows:
*Model – Capacity - type of metal - Type of door– in case of explosion prove
 e.g (VARIO 500 S SD) (Laboratory 500 Lit Stainless body with steel solid door)*

Model	Capacity	Temperature range
Laboratory Refrigerator solid door / glass door - ATEX		
VARIO 500 S/W-SD / GD - ATEX	500	+2°C to +10°C
VARIO 600 S/W-SD / GD- ATEX	600	+2°C to +10°C
VARIO 700 S/W SD / GD - ATEX	700	+2°C to +10°C
VARIO 850 S/WSD / GD - ATEX	850	+2°C to +10°C
VARIO 1000 S/W SD / GD - ATEX	1000	+2°C to +10°C
VARIO 1200 S/W SD / GD - ATEX	1200	+2°C to +10°C
VARIO 1400 S/W SD / GD - ATEX	1400	+2°C to +10°C
Laboratory freezer Solid door - ATEX		
FREZOLAB 500 S/W SD - ATEX	500	0°C to -40°C
FREZOLAB 600 S/W SD - ATEX	600	0°C to -40°C
FREZOLAB 700 S/W SD - ATEX	700	0°C to -40°C
FREZOLAB 850 S/W SD - ATEX	850	0°C to -40°C
FREZOLAB 1000 S/W SD - ATEX	1000	0°C to -40°C
FREZOLAB 1200 S/W SD - ATEX	1200	0°C to -40°C
FREZOLAB 1400 S/W SD - ATEX	1400	0°C to -40°C

General specifications

Thalheimer's laboratory refrigerator / Freezers are ideal for the safe storage of a wide variety of volatile liquids, chemicals and any other laboratory materials.

KEY FEATURES

- **Refrigerator operating temperature range +2°C to +8°C**
- **Freezer operating temperature range 0°C to -40°C**
- **NEW Advanced Controller:** LED or Touch panel with microprocessor records temperatures accurate to 0.1°C.
- **Lock and two keys:** for improved safety, accountability and security over domestic refrigeration, a lockable fridge helps prevent unauthorized access to valuable and dangerous contents.
- **Audible and visual high and low temperature alarms:** to alert anybody nearby as soon as the temperature starts to go too high or low, so that action can be taken to rectify the problem and prevent damage to the contents.
- **Open door alarm:** to prevent spoilage from raised internal temperature and illicit entry if the door is left open.
- **Front lockable roller castors:** To make this large fridge easier to move for cleaning and maintenance
- **Shelves:** Solid stainless steel shelves are standard with the possibility to offer wired shelves and drawers
- **Chart Recorder is optional**
- **USB Data Logging optional**
- **GSM module: Optional**
- **Temperature Monitoring Software:** records air and load temperatures constantly and holds a full parameters required until it is being downloaded through USB.
- **Power Failure Alarm**

FULL SPECIFICATION OF THALHEIMER'S FREE STANDING LABORATORY REFRIGERATORS / Freezers

Capacity	500	600	700	850	1000	1200	1400
Refrigeration / Freezer	✓	✓	✓	✓	✓	✓	✓
Temp. Range (Refrigerator) +2°C to +8°C	✓	✓	✓	✓	✓	✓	✓
Temp. Range (Refrigerator) 0°C to -40°C	✓	✓	✓	✓	✓	✓	✓
Unit External Width (mm)	780	780	780	920	1420	1420	1420
Unit External Depth (mm)	700	820	910	910	700	820	910
Unit External Height (mm)	2000	2000	2000	2000	2000	2000	2000
Product Weight (kg)	180	190	195	205	230	240	245
Unit internal Width (mm)	640	640	640	780	1280	1280	1280
Unit Internal Depth (mm)	540	660	750	750	540	660	750
Unit Internal Height (mm)	1460	1460	1460	1460	1460	1460	1460
Stainless steel finish internally and externally	✓	✓	✓	✓	✓	✓	✓
White coated galvanized finish externally	✓	✓	✓	✓	✓	✓	✓
Door type: Solid/Glass door	✓	✓	✓	✓	✓	✓	✓
Hinged door	✓	✓	✓	✓	✓	✓	✓
Replacement Door Seal	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Open Door Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Adjustable Feet / castors	options	options	options	options	options	options	options
Temperature Display on Panel (LED or Touch panel)	options	options	options	options	options	options	options
Temperature Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of Shelves	5	6	6	7	12	12	14
Interior Light in case of glass door	standard	standard	standard	standard	standard	standard	standard
Interior Light in case of Solid door	Option	Option	Option	Option	Option	Option	Option
ATEX	Option	Option	Option	Option	Option	Option	Option
Auto or Manual defrost for freezer	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Refrigerant for refrigerator	R134a	R134a	R134a	R134a	R134a	R134a	R134a
CFC Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HCFC Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Plug Types Available	Any	Any	Any	Any	Any	Any	Any
Voltage Supply 220-240V 50/60 HZ, 1 Ph	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Insulation Thickness (mm)	70	70	70	70	70	70	70
Anti-Microbial Handle	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Insulation Type	PU	PU	PU	PU	PU	PU	PU
Country of origin	Germany / EU	Germany / EU	Germany / EU	Germany / EU	Germany / EU	Germany / EU	Germany / EU