thermoscientific





DOMINIQUE DUTSCHER SAS

Laboratory Refrigerators and Freezers

Operating and Maintenance Instructions

335157H01 • Revision B • 12/10/2025

ThermoFisher SCIENTIFIC

IMPORTANT Read this instruction manual. Failure to follow the instructions in this manual can result in damage to the unit, injury to operating personnel, and poor equipment performance.

CAUTION All internal adjustments and maintenance must be performed by qualified service personnel.

Material in this manual is for informational purposes only. The contents and the product it describes are subject to change without notice. Thermo Fisher Scientific makes no representations or warranties with respect to this manual. In no event shall Thermo Fisher Scientific be held liable for any damages, direct or incidental, arising from or related to the use of this manual.

© 2025 Thermo Fisher Scientific Inc.

DOMINIQUE DUTSCHER SAS

Contents

Models 1

Intended Use 2

Safety Glossary 3

Safety Precautions 4

Unpacking 6
- Wall Mount Anchoring 7
- Optimizing the Energy Consumption 7

General Description 8
- Climate/ Temperature Class 8
- Electrical Connection 8
- Product Specifications 9
- General Use 10

Starting-Up 11
- Display 11
- Control Light 11
- Temperature Setting 11
- Temperature Alarm 11
- Defrosting 12
- Defrost Water 13
- Keylock 13
- Illumination 13
- Evaporator Sensor Location 13

Reversing the Door 14

Cleaning 15

DOMINIQUE DUTSCHER SAS

Air Duct Removal 15
Door Gaskets 15
When the unit is not in operation 15
Service 16

Warranty 17

Regulatory Compliance 18
Market Specific Labels 18
Product Safety 18
Hydrocarbon Refrigerant Service Notes 18
Electromagnetic Compatibility 18
Material Content and Evaluation of Chemicals 19
WEEE Compliance 19

End of Life Care 20

Troubleshooting 21

Contact Information 22

DOMINIQUE DUTSCHER SAS

Models

The following table shows the models covered in this operating and maintenance instructions.

Table 1. Models

Models	Model Type	Setpoint Temperature	Door Type	Voltage	Size (in cu.ft / liters)
TSE0405SV	Refrigerators	+5°C	Solid	230V / 50Hz	4 / 133.2
TSE1205SV					12 / 339.8
TSE0405GV			Glass		4 / 133.2
TSE1205GV					12 / 339.8
TSE0420FV	Freezers	-20°C	Solid	230V / 50Hz	4 / 133.2
TSE1220FV					12 / 339.8

DOMINIQUE DUTSCHER SAS

Intended Use

The intended use of the 5°C refrigerators and -20°C freezers represented in this user manual is for the storage of general research laboratory materials that require a stable and controlled environment. This product is not considered a medical device and has not been evaluated for use in environments or applications involving the diagnosis of diseases or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in man or other animals.

Note: For Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific uses or applications.

DOMINIQUE DUTSCHER SAS

Safety Glossary

In this manual, the following symbols and conventions are used:



Indicates the Legal Manufacturer.



Indicates Manufacturers model number.



Indicates the Manufacturer's serial number.



Indicates the date of Manufacture.



Indicates the need for the use to consult the instructions for use.



Indicates that the equipment is suitable for alternating current only.



Indicates the protective conductor ground terminal (Primary).



Indicates for Indoor use only.



Indicates the maximum and minimum temperature limits at which the item shall be stored, transported or used.



WARNING: "Warning" indicates potentially hazardous situations which, if not avoided, could result in serious death.



CAUTION: "Caution" indicates a potentially hazardous situation which if not avoided could result in minor to moderate injury.



Indicates caution is necessary when operating the device.



WARNING: This symbol indicates situations where dangerous voltages exist and potential for electrical shock is present.



To warn of freezing temperatures.



Signifies that proactive gloves must be worn.



To warn of potential pinch points or crushing.



Indicates that there are sharp edges.



DANGER: Risk of fire or explosion. Flammable refrigerant used to be repaired only by trained service personnel. Do not puncture refrigerant tubing.



Do not dispose of this product in unsorted municipal waste stream.



European Certification mark.



Regulatory Compliance Mark for Australia and New Zealand.

DOMINIQUE DUTSCHER SAS

Safety Precautions

Please read carefully the following information regarding safety.



Before installing, using, or maintaining this product, please be sure to read this manual and product warning labels carefully. Failure to follow these instructions may cause this product to malfunction, which could result in injury or damage.
Use this product only in the way described in the product literature and in this manual. Before using it, verify that this product is suitable for its intended use. If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



WARNING: Before use, confirm that the product has not been altered in any way. Do not modify or replace system components that have not been approved by the manufacturer. Use manufacturer exact replacement equipment or system components. Use of equipment or system components not confirmed by the manufacturer is it the responsibility of the person altering the product to ensure the product is compliant to the IEC/EN 61010-1.



CAUTION: The equipment might contain parts with sharp edges in the compressor compartment, and in the inside compartment.



WARNING: The equipment is not to be transported on a sack truck, there is a danger of losing the balance, causing danger to persons.



CAUTION: Your unit must be properly grounded in conformity with national and local electrical codes. Never connect the unit to overloaded power sources or to extension cords.



WARNING: Disconnect the unit from all power sources before cleaning, troubleshooting, or performing other maintenance on the product or its controls.



DANGER: Risk of fire or explosion. Flammable refrigerant used to be repaired only by trained service personnel. Do not puncture refrigerant tubing.



WARNING: This symbol indicates surfaces which may become hot during use and may cause a burn if touched with unprotected body parts.



WARNING: Do not wet the product or use it in potentially wet conditions. This may cause electrical leakage, resulting in electric shock or fire.



WARNING: No equipment that uses an open flame should be placed inside the freezer. This will harm the unit, hamper functionality and compromise your safety.



CAUTION: Do not use any battery powered or externally-powered equipment in the freezer.



CAUTION: All internal adjustments and maintenance must be performed by qualified service personnel.



WARNING: Keep clear of obstruction all ventilation openings in the equipment enclosure or in the structure for building in.



WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



WARNING: Do not allow any sharp objects to come in contact with the refrigeration system to avoid damage to the refrigerant circuit.



WARNING: Do not damage the refrigeration circuit.



WARNING: Do not store explosive substances such as aerosol cans with a flammable propellant in this equipment.

DOMINIQUE DUTSCHER SAS



WARNING: Ensure careful installation, handling and disposal to avoid safety hazards. If accidental damage occurs, keep the equipment away from open fires or devices that produce sparks, unplug the equipment and call an authorized service agent. Thoroughly ventilate the room in which the equipment is situated for several minutes.



WARNING: Do not use electrical equipments inside the storage compartments of the equipment.



Do not exceed the indicated level.



Cut off power before removing the guard.

Important Refrigerant Awareness

WARNING: Refrigeration system charged with flammable refrigerant.



DANGER: Risk of fire or explosion. Flammable refrigerant used to be repaired only by trained service personnel. Do not puncture refrigerant tubing.

Note: R-600a (refrigerant grade Iso-Butane only).

Ensure all operatives are aware of the cabinet being charged with highly flammable refrigerant.

R-600a Refrigerant Warning:

- These equipments contains small quantity of flammable refrigerant.
- All machines are to be serviced only by trained technicians for handling of hydrocarbon refrigerant.
- This refrigerator is designed to operate at 230V AC, 50Hz only.

DOMINIQUE DUTSCHER SAS

Unpacking

At delivery, examine the exterior for physical damage while the carrier's representative is present. If exterior damage is present, carefully unpack and inspect the unit and all accessories for damage.

If there is no exterior damage, unpack and inspect the equipment within five days of delivery. If you find any damage, keep the packing materials, and immediately report the damage to the carrier. Do not return goods to the manufacturer without written authorization. When submitting a claim for shipping damage, request that the carrier inspect the shipping container and equipment.

Upon receiving the unit, properly dispose of any packaging material used to secure the unit during the shipping process. Please refer to local recycling codes and dispose of any materials accordingly. For information on waste disposal sites, please refer to your local waste provider.

Please follow the below steps to remove transport pallet:

1. The cabinet can be lifted off the pallet to remove wooden pallet and base tray. Refer to **Figure 1**.

WARNING: This task requires at least 2 persons.

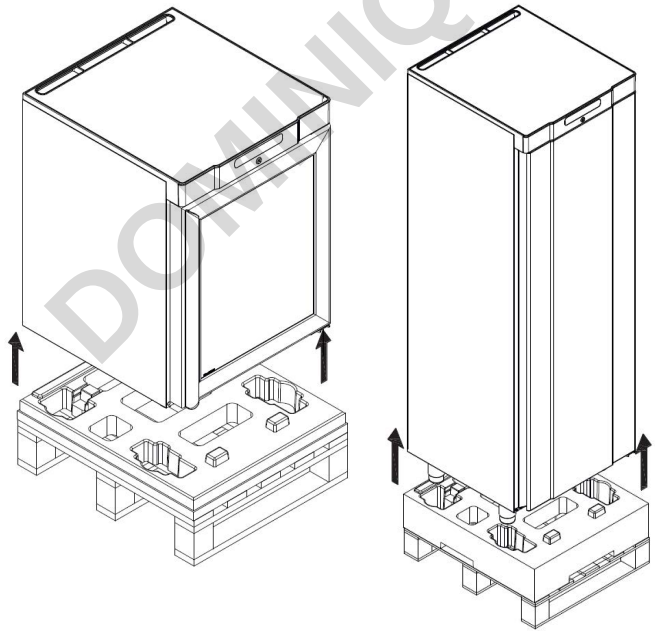


Figure 1. Lift the Cabinet

2. Do not transport/ handle movement in horizontal position. If the cabinet has been transported recently, it must stand upright at least 2 hours before it is started to allow the oil from the compressor to run back.
3. Because of the heavy weight of the product, the floor might be damaged or scratched when moving the product.
4. Correct set up gives the most effective operation.
5. The product should be located in a dry and adequately ventilated room.
6. To ensure efficient operation, it may not be placed in direct sunlight or against heat-emitting surfaces. The product is designed to operate in an ambient temperature between +16°Cand +32°C.
7. Avoid placement of the product in a chlorine/acid-containing environment due to risk of corrosion.
8. Parts of the product are equipped with a protecting film, which should be removed before use.
9. Clean the product with a mild soap solution before use.

The set-up place must be level and horizontal.

For versions with castors, the locking devices of the two front castors must be activated, when the product is in place, see **Figure 2**.

The base must be level, and the product may not be placed on frames or the like.

For efficient closing of glass door models, cabinet must be leveled such that door will always get close automatically (may required some uplift from on front adjustable).

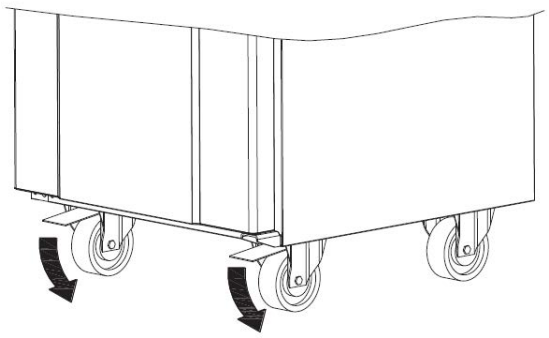


Figure 2. Castors

DOMINIQUE DUTSCHER SAS

Wall Mount Anchoring

Cabinets must be fastened to a stable surface to ensure the cabinet does not tilt, when the door is open. Brackets for fastening are supplied with the cabinet (fasteners are included in the box).

- Refer to **Figure 3** on how to mount brackets for 4cu.ft models and **Figure 4** for 12cu.ft models.

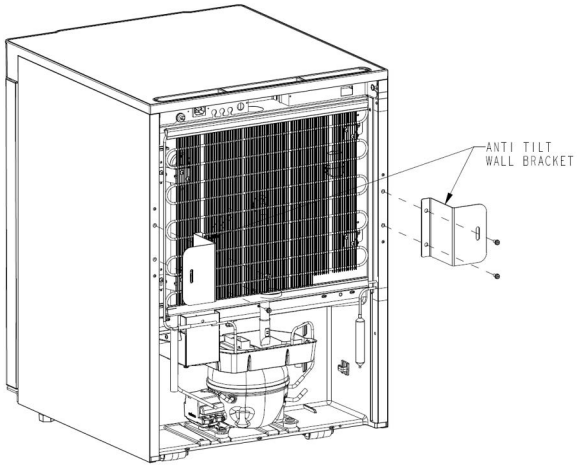


Figure 3. 4cu.ft Models Anti Tilt Bracket Mounting

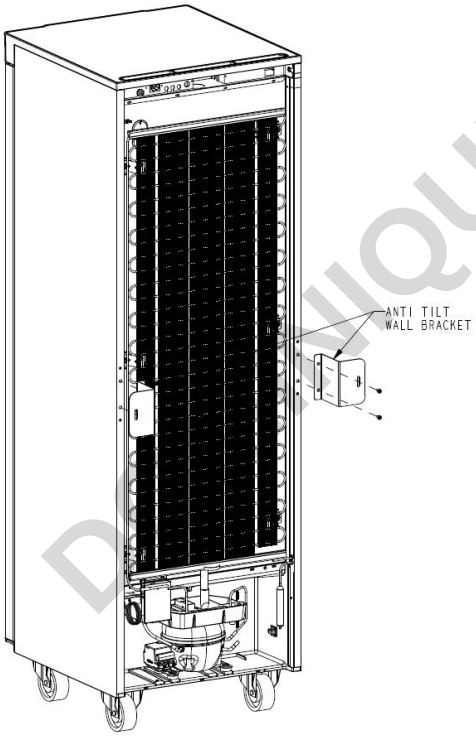
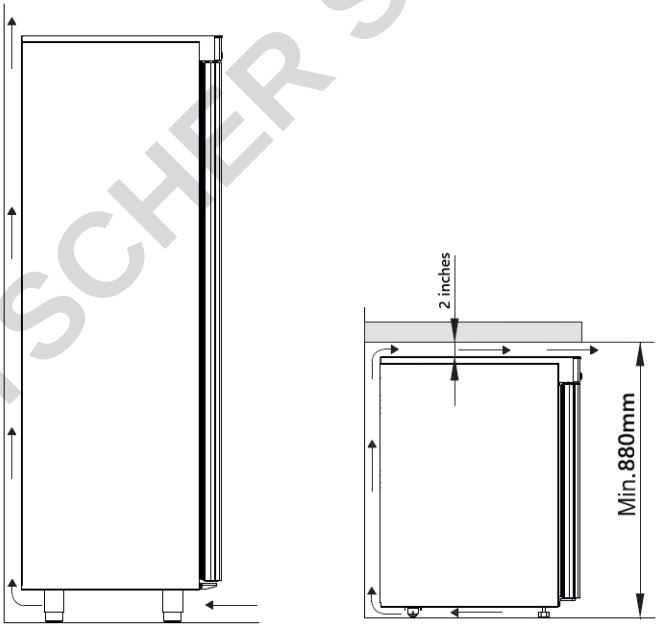


Figure 4. 12cu.ft Anti Tilt Bracket Mounting

Note: To ensure that user, surroundings and stored items are not injured/damaged if the cabinet tilts, these brackets must be mounted.

The cabinet can be installed freestanding, against a wall can be built under a counter top.

The cabinet must have sufficient ventilation and free air circulation beneath, above and behind the cabinet. There must be a minimum clearance of 2 inches above the cabinet, 2 inches at the sides and 4 inches at the rear.



When Moving to other place:

- During secondary transportation or moving equipment to other places, make sure door is secured to its place.
- This will avoid sagging and door alignment issues after installation.
- Make sure there is no samples inside.
- Secure door with packing tapes to avoid rotation of door.

Optimizing the Energy Consumption

- Do not keep the door open for too long.
- Do not set the temperature too low.

DUNIQUE DUTSCHER SAS

General Description

Table 2. Refrigerant/Charge Quantity

Refrigerators	Refrigerant	Charge (Kg)
TSE0405SV	R600a	0.036
TSE0405GV	R600a	0.029
TSE1205SV	R600a	0.048
TSE1205GV	R600a	0.048
Freezers		
TSE0420FV	R600a	0.034
TSE1220FV	R600a	0.047

Climate/ Temperature Class

Products are tested according to the following climate and temperature classes.

Table 3. Climate Class

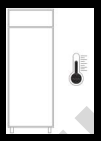
Climate class		Models
4	16°C to 32°C / 55% RH	TSE0405SV TSE0405GV TSE1205SV TSE1205GV TSE0420FV TSE1220FV

Table 4. Temperature Class

Temperature class		Models
L1	-20°C	TSE0420FV TSE1220FV
M1	+5°C	TSE0405SV TSE0405GV TSE1205SV TSE1205GV

Table 5. Climatic Class Symbols

Symbol	Ambient Temperature Range
N	from +16°C to +32°C

Electrical Connection

Read the text below thoroughly before electrical connection. Connect the power cord found at the back of the cabinet to main supply inlet.

- The product is intended for connection to alternating current. The connection voltage (V) and frequency (Hz) are shown on the data plate in the cabinet. Only the supplied cord is to be used.
- Never use an extension cord for this equipment. If a wall socket is placed in a longer distance than a length of the supplied power cord, contact an electrician to establish a wall socket within the range of the supplied power cord.
- If the product is defective, it must be examined by a properly skilled technician with proper knowledge of the product during the warranty period.
- Outside the warranty period, it is advisable to use the service advised by your dealer. If this is not a case, assistance is required from a properly skilled technician with proper knowledge of the product.
- Always disconnect the power if interruptions in power supply occur, and when electrical parts are removed/put on, and before cleaning and maintenance of the product.

DOMINIQUE DUTSCHER SA

- Repairing of electrical/technical parts may only be performed by properly skilled technicians with proper knowledge of the product.
- If the supply cord is damaged, it must be replaced by a power cord or assembly available from the manufacturer or its service agent.
- Do not use the product before all coverings are installed, so that live or rotating machine parts cannot be touched.
- All earthing requirements stipulated by the local electricity authorities must be observed. The plug and wall socket should then give correct earthing. If necessary, contact an electrician.
- It is recommended to install protective device externally at installation site: MCB6A (MCB-with B characteristic).

Note: Make sure the product is switched off at the socket before service is performed on electrical parts. It is not sufficient to switch off the product by the key as there will still be voltage to some electrical parts of the product.

Product Specifications

Table 6. Environmental Operating Conditions

Operating Ambient Temperature	16°C to 32°C
Operating Humidity	Maximum Relative Humidity 65%, non-condensing.
Operating Environment	Indoor use only. Violation of this will void the warranty terms.
Altitude	For operation of up to 2,000 m
Pollution Degree in the intended environment	2

Table 7. General Specifications

Voltage Variation	±10%
Phase	1 ph
Over-voltage category	II category
IP Rating	IPX0
Maximum Allowable Pressure	High side: 9.9 bar (0.99 Mpa) Low side: 4.03 bar (0.403 Mpa)

Table 7. General Specifications (Continued)

Storage Temperature Range	For Refrigerator: 1°C to 10°C For Freezer: -15°C to -25°C
Rated Current	For Refrigerator: 0.7A For Freezer: 0.9A
Display	Seven segment controller
Display Resolution	0.1°C, accuracy
Sound	For Refrigerator: ≤ 38 dBA For Freezer: ≤ 40 dBA
Maximum Shelf Load	40 kg with uniformly distributed
Insulation	Polyurethane
Interior Lighting	Full LED (only for Glass Door Models)
Defrost	Automatic
Alarm	Yes (for High temp, Low temp and Door ajar)
Blowing Agent	Cyclopentane
Mechanical Lock	Yes
Power Cord	Standard EU power cord
Power Cord Type	Detachable
Defrost	For Refrigerator: Compressor off cycle defrost For Freezer: Electric heater defrost

Table 8. Model Dimensions

Models	Exterior Dimensions (in mm)	Interior Dimensions (in mm)
TSE0405GV	595 (W) x 667 (D) x 833 (H)	490 (W) x 508 (D) x 620 (H)
TSE0405SV	595 (W) x 645 (D) x 833 (H)	490 (W) x 483 (D) x 620 (H)
TSE0420FV		
TSE1205GV	595 (W) x 667 (D) x 1900(H)	490 (W) x 509 (D) x 1595 (H)
TSE1205SV	595 (W) x 645 (D) x 1900 (H)	490 (W) x 483 (D) x 1595(H)
TSE1220FV		

DOMINIQUE DUTSCHER SAS

Table 9. Shelves Count - Model wise

Model Size (in cu.ft)	No. of Shelves Available
For 4cu.ft models	2 Shelves
For 12cu.ft models	5 Shelves

Table 10. Model Wise Weight

Model	Net Weight (in kg)	Gross Weight (in kg)
TSE0405GV	49	58
TSE0405SV	43	52
TSE0420FV	44	53
TSE1205GV	89	99
TSE1205SV	76	87
TSE1220FV	77	88

General Use

- All items to be stored, that are not wrapped or packed, must be covered in order to avoid unnecessary corrosion of the inner parts of the cabinet.
- If any controller parameters are changed from default, this could cause that the product to not function normally, and harmful temperature could damage items that are kept inside the product.
- If the product is turned off, wait minimum 3 minutes before turning it on again.
- Do not store explosive substances such as aerosol cans with flammable propellant in this equipment.
- Be aware, if samples are stored near the air outlet, they may freeze up and break, causing a risk of injury.
- Do not over-pack the product. Allow some space between them to ensure a good airflow.
- To ensure correct and efficient air flow in the product, the shaded areas and the areas above the top load line must be kept free of items. (See **Figure 5**).

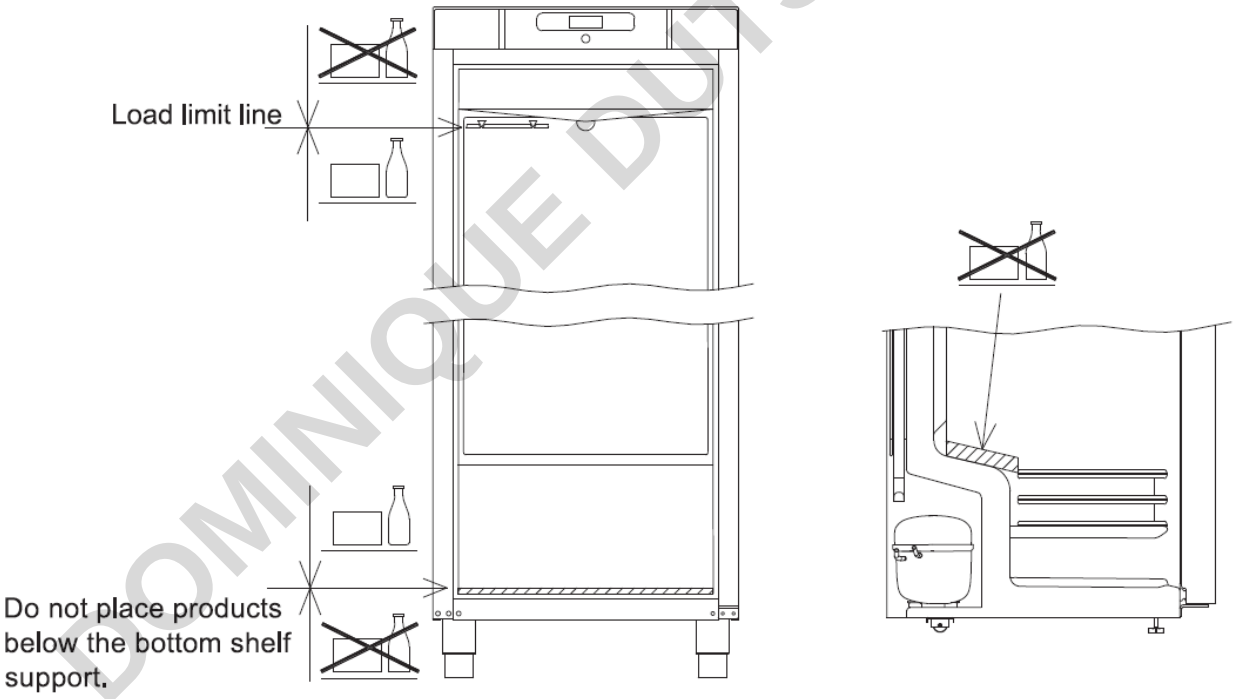


Figure 5. Air Flow inside the Product

DOMINIQUE DUTSCHER SAS

Starting-Up

Display



Figure 6. Display

Connect the cabinet to main power.

To turn the cabinet ON, push for 2 seconds.

The display shows the actual cabinet temperature, and indicates that power is connected. The cabinet is turned off likewise, by pushing for 2 seconds.

Control Light

The following control lights are located at the display:

- Compressor. This LED is on while the compressor is running. Flashes during temperature setting.
- Defrosting. This LED is turned on during defrosting cycle.
- Evaporator fan. This LED is turned on while the evaporator fan is running.
- Alarm. This LED is turned on if an alarm occurs. Refer to **Temperature Setting** and **Error Codes**.

Temperature Setting

Note: The cabinet temperature is factory adjusted to 5°C for the refrigerator and -20°C for the freezer.

The Temperature setting is as follows:

- Push the P button, the compressor lamp flashes.
- Push + or − to set the temperature.
- Push P again to save the set value. The Compressor lamp is turned off, unless the compressor is running.

Alternatively, do not operate any buttons for 15 seconds, the controller switches back to temperature display, and the set value is saved automatically.

If there is a power failure, the controller will remember the settings. When the power returns, the cabinet will start up again.

Temperature Alarm

The controller is equipped with a temperature alarm, which constantly monitors the cabinet temperature. The lamp lights, if an alarm has occurred.

The following alarms can be displayed:

AL: Low Temperature Alarm

AH: High Temperature Alarm

Id: Open Door Alarm

Note: Warm temperature alarm and Cold temperature alarm limits are relative to setpoint and for factory preset values, refer to **Table 11**. In case of setpoint adjustment, alarm limit values will change accordingly.

DOMINIQUE DUTSCHER SAS

Table 11. Alarms

Models	Cold Temp	Warm Temp	Door Open
TSE0405SV TSE0405GV TSE1205SV TSE1205GV	0°C	10°C	Yes
TSE0420FV TSE1220FV	-30°C	-10°C	

Note: Temperature Alarms will display after 5 minutes of delay and Door open alarms will display after 1 minute of delay.

Note: Alarm values are relative to factory setpoint temperature.

Table 12. Set Range Values

Models	Set Range	Default
TSE0405SV TSE0405GV TSE1205SV TSE1205GV	+1°C to +12°C	+5°C
TSE0420FV TSE1220FV	-15°C to -25°C	-20°C

Note: Unit performance may change when modifying default settings.

Displaying Alarm Values

- Push the ⊖ button, and keep pushed for 1 second.
- Push ⊕ or ⊖ until "LS" is displayed. Now, push P and one of the alarm codes above is displayed. Use the ⊕ or ⊖ button to select the wanted value. Push P again, and the alarm values are displayed.

Example - alarm AH

8.0	the temperature alarm value is 8.0°C
dur	alarm duration
h01	the alarm lasted for 1 hour... (continues)
n15	.....and 15 minutes
AH	selected alarm value

Each value is displayed alternately for approx. 1 second.

To exit the alarm menu, push ⏻ and the selected alarm is displayed (in this example "AH"). Push ⏻ again, and the current cabinet temperature is displayed.

Deleting Alarms

Push ⊖, and keep pushed for 1 second. Push ⊕ or ⊖ until "rLS" is displayed. Now push P. Then push ⊕ or ⊖ within 15 seconds and set "149" push. Push P again, and the display flashes "----" for 4 seconds. The alarms are now deleted, the ⚠ LED is turned off, and the controller returns to temperature display.

Error Codes

Pr1	If error Pr1 is displayed, it means that the temperature sensor is defective. Request service assistance. In the meantime, the cabinet will aim to maintain the set temperature.
Pr2	If error Pr2 is displayed, there are problems with the evaporator sensor. The sensor should be replaced as soon as possible. Request service assistance.

Defrosting

TSE0405SV / TSE0405GV / TSE1205SV / TSE1205GV:

Defrosting is automatically performed 4 times for every 24 hours, by circulating the air inside the cabinet during compressor standstill periods. The defrost LED ❄ lights to indicate the defrosting cycle is running.

TSE0420FV / TSE1220FV:

Defrosting is automatically performed 4 times in every 24 hours, by a heating element mounted at the evaporator.

DOMINIQUE DUTSCHER SAS

Manual defrosting:

If the cabinet is operating under severe load (frequent door opening and frequent replenishment), manual defrosting can become necessary.

Manual defrosting is performed as follows:

Push ⊕ for 4 seconds, and defrosting is started. The defrost LED ❄ lights to indicate the defrosting cycle is running.

⚠ **Note:** Do not use sharp or pointed objects to accelerate the defrosting process.

Defrost Water

The cabinet produces water during defrosting, which is led into a tray in the compressor compartment. A re-evaporation pipe from the refrigeration system, placed in the tray, re-evaporates the water.

Note: It is recommended to clean the tray and water trap when necessary - at least once a year. Remember to disconnect the cabinet before cleaning.
Be careful not to damage the re-evaporation pipe during cleaning.

Keylock

The keys can be locked and in this way secured against unauthorized use of the equipment.

To lock the keys:

Press ⊖ and ⏻ at the same time for 1 second, "Loc" is shown to indicate the keys are locked.

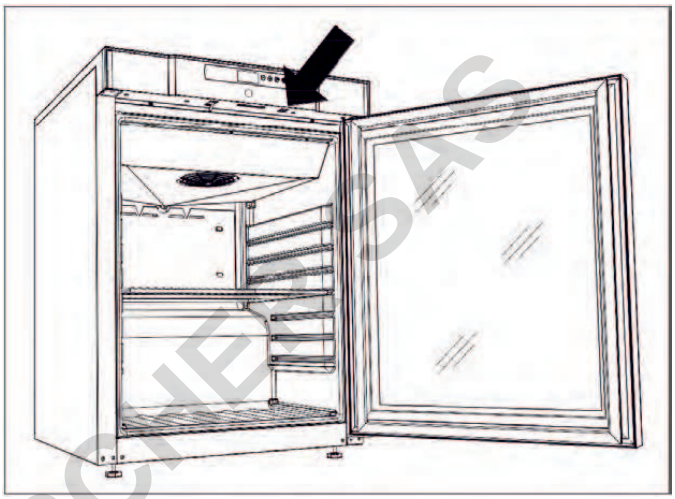
To unlock the keys:

Press ⊖ and ⏻ at the same time for 1 second, "UnL" is shown to indicate the keys are unlocked.

Illumination

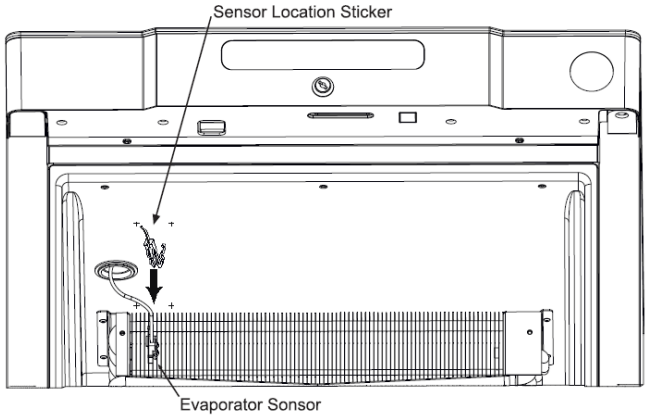
Note: Applies only to models with glass door.

The light can be switched on or off by the switch underneath the control panel.



Evaporator Sensor Location

The evaporator sensor is positioned as indicated by arrow in the below figure.



DOMINIQUE DUTSCHER SAS

Reversing the Door

The door can be changed from right hand-hinged to left hand-hinged, or vice versa.

To do so, proceed as follows:

Models with Solid Door:

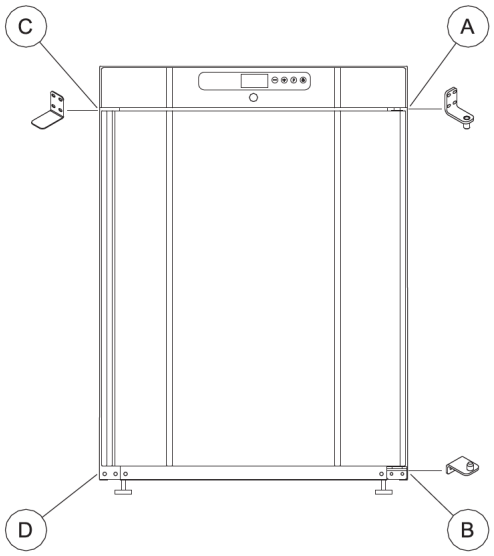


Figure 7. Solid Door

1. Switch off the power at the mains socket.
2. Remove the screws that keep the control panel in place, two from the front and two from the back. Pull the panel a little forward, and then lift it upward.
3. Remove the hinge from position A and lift off the door.
4. Dismantle the hinge from position B and mount it at position D.
5. Shift the bracket from position C to A.
6. Rotate the door 180°, and then fix it at position D.
7. Mount the hinge that removed from position A to C.
8. Fasten the control panel same as before.
9. Apply power to the cabinet again.
10. In case of gasket gap in cabinet, use hinge spacer. You can find these spacers in plastic bag where manual and keys are kept.

Note: Use of spacer behind hinge to avoid gasket gap.



Figure 8. For TSE0405SV, TSE1205SV and TSE0420FV models

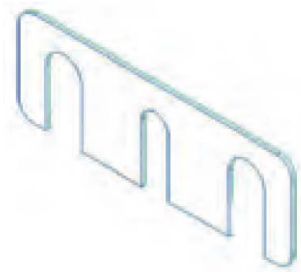


Figure 9. For TSE0405GV, TSE1205GV and TSE1220FV models

Models with Glass Door:

The door should only be reversed by a service technician from Thermo Fisher Scientific or an authorized refrigeration company with knowledge of Thermo Fisher Scientific's products.

DOMINIQUE DUTSCHER S

Cleaning

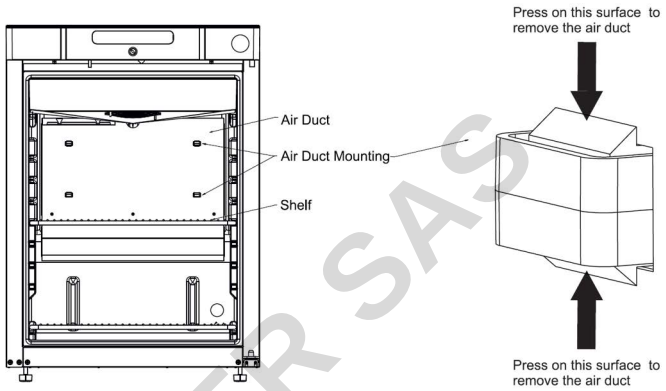
- Insufficient cleaning will cause that the product will not work at optimum performance, or eventually it will be defective.
- Before cleaning, the product should always be disconnected.
- Do not flush the product with water, do not use water jet or steam hose as this may cause short-circuits in the electrical system.
- Cleaning agents containing chlorine or compounds of chlorine as well as other corrosive means, are not to be used, as they might cause corrosion to the cabinet and the refrigeration system.
- The compressor compartment and in particular the condenser must be kept free from dust and dirt. This is best done with a vacuum cleaner and a brush.
- For the external maintenance and cleaning-Use a hot soapy damp cloth. After cleaning rinse off with a moist cloth only containing water. Finalize the cleaning by wiping the cabinet dry, using a dry cloth. Cabinets with stainless steel exterior, should be treated with stainless steel polish at the end.
- The product should be cleaned internally with a mild soap solution at suitable intervals and checked thoroughly before it is put into operation again.
- Clean the duct from condenser by means of soft wire brush, blower or vacuum cleaner by every 4 months.

Note:

- Do not use water for cleaning the condenser.
- For cleaning user interface/UI screen, it is recommended to use damp cloth.

Air Duct Removal

1. Switch off the power at the mains socket.
2. Remove the shelves.
3. Remove air duct by pressing the air duct mountings.



Door Gaskets

The door gasket is an important part of refrigerator/ freezer. A door gasket with reduced functionality, reduces the tightness of cabinet. This might cause increased internal humidity resulting in an iced-up evaporator (leading to reduced refrigeration capacity), and in worst case reduced life cycle of the cabinet.

Therefore, it is important to be aware of the condition of the gasket. Regular inspection is recommended.

The gasket should be cleaned regularly with a mild soap solution.

If a gasket needs replacement, contact your dealer.

When the unit is not in operation

If the product is taken out of operation, and need to be prepared for long-term storage, clean the inside compartment, the door and door gasket thoroughly with a hot soapy damp cloth.

It is advisable to leave the cabinet open during long term storage, in order to minimize the risk of bad smell and the building of mold inside the cabinet.

DOMINIQUE DUTSCHER SAS

Service

The refrigerating system and the hermetically sealed compressor require no maintenance - they merely must be kept clean.

If refrigeration fails, first investigate whether the unit has been unintentionally disconnected or switched off at the socket, or whether a fuse has blown.

If it is not possible to find the cause of the refrigeration failure, please contact your dealer.

When reporting a malfunction please state the type and serial number (S/N) of the cabinet. This information is found on the data plate.

DOMINIQUE DUTSCHER SAS

Warranty

Domestic Warranty • 24 Months Parts and Labor.

International Warranty • 24 Months Parts and Labor.

During the first twenty four (24) months from shipment, Thermo Fisher Scientific Inc, through its authorized Dealer or service organizations, will at its option and expense repair or replace any part found to be non-conforming in material or workmanship.

Thermo Fisher Scientific Inc reserves the right to use replacement parts, which are used or reconditioned. Replacement or repaired parts will be warranted for only the unexpired portion of the original warranty.

This warranty does not apply to damage caused by (i) accident, misuse, fire, flood or acts of God; (ii) failure to properly install, operate or maintain the products in accordance with the printed instructions provided; (iii) causes external to the products such as, but not limited to, power failure or electrical power surges; (iv) improper storage and handling of the products; (v) use of the products in combination with equipment or software not supplied by Thermo Fisher; or (vi) installation, maintenance, repair, service, relocation or alteration of the products by any person other than Thermo Fisher or its authorized representative. To obtain proper warranty service, you must contact the nearest authorized service center or Dealer. Thermo Fisher Scientific Inc's own shipping records showing date of shipment shall be conclusive in establishing the warranty period. At Thermo Fisher's option, all non-conforming parts must be returned to Thermo Fisher postage paid and replacement parts are shipped FOB Thermo Fisher's location.

Limitation of Liability:

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL, OR IMPLIED. NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY. THERMO FISHER DOES NOT WARRANT THAT THE PRODUCTS ARE ERROR-FREE OR WILL ACCOMPLISH ANY PARTICULAR RESULT.

THERMO FISHER SHALL NOT BE LIABLE FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT IMITATION, DAMAGES TO LOST PROFITS OR LOSS OF PRODUCTS.

DOMINIQUE DUTSCHER SAS

Regulatory Compliance

Market Specific Labels

The European CE marking is applied on products that meet all the applicable requirements of the European Directives. Products not marked with a CE marking either do not operate in the 230V / 50Hz voltage range or are not intended to be sold to the EU Member States or European Economic area (EEA).

The RCM marking is applied on products that meet all the applicable requirements of the regulations. Products not marked with the RCM marking either do not operate in the 230V / 50Hz voltage range or are not intended to be sold to the Australian or New Zealand region.

Please reach out to the manufacturer for declaration requests or questions regarding regulatory conformity.

Product Safety

It is important to use only accessories as supplied or recommended by Thermo Fisher Scientific.

The maximum limit of 10 mA shall not be exceeded when tested according to Clause 5.5 (Measurement of protective conductor current) of EN 50678 VDE 0701.

Hydrocarbon Refrigerant Service Notes

This unit employs natural hydrocarbon refrigerants. For mechanical repairs such as recharge or compressor replacement, it should only be carried out by a certified refrigeration technician, due to the nature of hydrocarbon refrigerants.

Electromagnetic Compatibility

WARNING: EMC Registration is done on this equipment for business use only. It may cause interference when the product would be used in home. This warning statement applies a product for business use. The use of accessories, transducers, and cables other than those specified, with the exception of transducers and cables sold by the manufacturer of the equipment or system as replacement parts for internal components, may result in increased emissions or decreased immunity.

DOMINIQUE DUTSCHER SAS

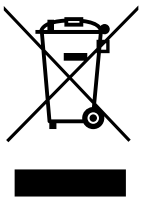
Material Content and Evaluation of Chemicals

Thermo Fisher Scientific is determined to reduce the impact we have on the environment, and committed to meeting all compliance obligations to evaluate, communicate, and register any Substances of Very High Concern (SVHC), and finding alternates where appropriate.

Our compliance is witnessed by written declaration from our suppliers and/or component testing. This confirms that any potential trace contamination levels of the substances listed above are below the maximum level set by the latest regulations or follow established exemptions of the regulation due to their application.

WEEE Compliance

This product is required to comply with the European Union's Waste Electrical & Electronic Equipment (WEEE) Directive 2012/19/EU. It is marked with the following symbol. Thermo Fisher Scientific has contracted with one or more recycling/disposal companies in each EU Member State, and this product should be disposed of or recycled through them. Further information on our compliance with these Directives, the recyclers in your country, and information on Thermo Fisher Scientific products which may assist the detection of substances subject to applicable directives are available at www.thermofisher.com/WEEERoHS



DOMINIQUE DUTSCHER SAS

End of Life Care

Some considerations and suggestions are listed below for proper disposal of this product. While addressing these actions for safe recycling and disposal, please follow all guidelines, Safety Data Sheets (SDS), or regulations applicable to your country and region.

- This product has materials and components that may be recycled or reused according to local guidelines and regulations.
- Remove all samples and items before defrosting a unit to room ambient temperatures.
- Clean up any chemical or biological safety hazards using appropriate methods.
- Remove the cabinet door to help prevent entrapment inside of a unit.
- Have a certified technician remove the refrigerant and compressor, drain the compressor and oil from the system, and dispose properly. Note that oil may be infused with refrigerant and should be handled with care by someone experienced with refrigerants used in this product, as listed on the serial data plate.

DOMINIQUE DUTSCHER SAS

Troubleshooting

The table below lists information regarding the possible causes and actions to be taken for the most common faults, which do not need automatically technical servicing.

Servicing on the electrical system must also be carried out by trusted electricians.

Problem	Possible Causes	Solutions
The unit does not switch on.	Controller set to “Stand-by”	Switch on the controller.
	No Mains	Check the plug, outlet, fuses and electrical line
	Power plug not connected to the electrical outlet.	Connect the power cord to the electrical socket
	Control panel fault	Contact Technical Support
Unit does not reach the set temperature	Too much material has been placed in the compartment	Reduce the quantity and leave space between the shelves and walls
		Place products in the cabinet a few at a time after the temperature has stabilised
	Prolonged or too frequent door openings	Reduce door openings and close the door more quickly
	Ambient temperature is too high.	Air condition the environment
	Electronic controller operating fault	Contact Technical Support
	Cooling system operating fault	Contact Technical Support
The unit is noisy	Unit instability	Eliminate the cause.
	Contact with objects (e.g. cardboards, polystyrene or other materials)	Move and/or remove objects touching the equipment
Repeated alarm or fault signals or alarm noticed	Unit has detected an alarm.	Visualize alarms Alarm and Failure Warnings
Products wet	Formation of ice in the evaporator or sudden defrosting	Contact Technical Support.
	High humidity level in the environment	Air condition or ventilate the environment
Glass door wet	High humidity level in the environment	Air condition or ventilate the environment

DOMINIQUE DUTSCHER SAS

thermo scientific

Contact Information

Thermo Fisher Scientific products are backed by a global technical support team ready to support your applications. We offer cold storage accessories, including remote alarms, temperature recorders, and validation services.
Visit www.thermofisher.com/cold or call:

Countries	Sales
Austria	+43 1 801 40 0
Belgium	+32 2 482 30 30
France	+33 2 2803 2180
Germany National toll free	0800 1 536 376
Germany International	+49 6184 90 6940
Italy	+39 02 02 95059, 434-254-375
Netherlands	+31 76 571 4440
New Zealand	+64 9 980 6700
Nordic/Baltic/CIS countries	+358 9 329 100
Russia	+7 (812) 703 42 15
Spain/Portugal	+34 93 223 09 18
Switzerland	+41 44 454 12 12
UK/Ireland	+44 870 609 9203
USA/Canada	+1 866 984 3766
Australia	+61 39757 4300
China	+86 21 6865 4588, +86 10 8419 3588
India toll free	1800 22 8374
India	+91 22 6716 2200
Japan	+81 45 453 9220
Other Asian Countries	+852 2885 4613
Countries not listed	+49 6184 90 6000

DOMINIQUE DUTSCHER SA

Thermo Fisher Scientific (Asheville) LLC
275 Aiken Road
Asheville, NC 28804
United States

Find out more at thermofisher.com/cold

ThermoFisher SCIENTIFIC

© 2025 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. 335157H01 1225