Wandkühlregale

SLIM GD

ISA S.r.l.
Via del Lavoro, 5
06083 Bastia Umbra - Perugia - Italy
Tel. +39 075 80171 - Fax +39 075 8000900
www.isaitaly.com

Sistema di Qualità ISO 9001 Cert. CISQ/CSQ 9130.TAIF

Sistema di Qualità ISO 14001 Cert. CIS ECO ISO 9191.ISA3

CO_2 / 100% Green generation

EN

SLIM GD

USE AND MAINTENANCE MANUAL

428000454037

The manual contains symbols to attract the reader's attention and highlight particularly important aspects. The table below illustrates the meaning of the various symbols used.

	**Read the instructions manual**
	**Use of protective clothing**
	**Danger: Live electrical parts**
	**Requests for maintenance or operations must be carried out by qualified staff or technical after-sales centres**
	**Attention / Danger**
	**Important information**
	**Information**
	**Operations that must be performed by two persons**
	**Visual check**
	**Notes / Important Notes**
	**C**ondensing **U**nit on **B**oard
	**R**emote **C**ondensing **U**nit

INSTALLATION

This manual supplies the information necessary for correct unpacking, procedures for positioning and connection to mains electricity.

1 STORAGE and UNPACKING

The appliance, with or without the packaging, should be carefully stored inside warehouses or in areas away from the elements and direct sunlight, at a temperature between 0**0** and **+40** °C.

The appliance should only be moved by qualified personnel operating forklift trucks, the power of which should be suited to handling the weight of the product: when performing this task, the appliance MUST be placed on the special pallet supplied.

Unpack the appliance by removing the screws fixing it to the pallet.
All packaging materials are recyclable and should be disposed of in accordance with local regulations.
Please destroy "plastic" bags to prevent them from becoming hazardous to children (suffocation).

2 INSTALLATION - POSITIONING - ENVIRONMENTAL CONDITIONS

Attention
Suitable for installation in a dry, well ventilated room. There should be a good air flow around the compressor and condensing unit. Therefore the area around the unit should not be obstructed by boxes or other objects.
Position the appliance away from heat sources (radiators, stoves of all types, etc.) and away from the effects of continuous currents of air (e.g. caused by fans, air conditioning vents, etc.). If it is unavoidable to install near a heat source, use a suitable insulating plate,
Also avoid exposure to direct sunlight; all of this causes the temperature inside the refrigerated compartment to rise with negative consequences on operation and energy consumption. Do not use the appliance outdoors and do not leave it exposed to rain.

3 ELECTRICAL CONNECTION

Attention
Check that the network voltage matches the one displayed on the identification plate of the appliance, and that the required power is adequate.
Check on the socket that the power supply voltage provides rated voltage (±10%) when you start up the compressor.
The plug should be directly connected to the electrical socket. It is forbidden to connect the plug to the socket by means of multiple socket extensions or adaptors.
The plant power supply socket must be fitted with a disconnection device from the mains electricity (dimensioned to the load and in compliance with Standards in force), which guarantees complete disconnection in category III (3) over-voltage conditions and therefore protects the circuits against earth faults, overloads and short circuits.
Do not route the electricity cable in passageways.

Attention
Earthing is necessary and mandatory by law.

ROUTINE

The **Staff in charge of the appliance** must control and respect the expiry dates for maintenance, given in the table below, calling the authorised **Technical After-sales assistance** when indicated.

OPERATION	FREQUENCY	MAINTENANCE	EXTRAORDINARY	AUTHORIZED PERSONNEL
Cleaning the external surfaces	Depending upon Use and Necessity	X		**User**
Cleaning the accessible internal parts (without the use of tools)	Depending upon Use and Necessity	X		**User**
Control power supply cable, plugs and/or electric sockets	Monthly Every 6 months	X		**User**
Check integrity of sealing gaskets	Monthly	X		**User**
Cleaning of defrost water collection tray	Every 6 months Depending upon use and necessity	X		**Technical Assistance**
Condenser cleaning	Monthly Every 6 months	X		**Technical Assistance**
Check the compressor oil level (whenever present)	Every 6 months	X		**Technical Assistance**
Air tank draining (whenever present)	Every 6 months	X		**Technical Assistance**
Check pneumatic connections (whenever present)	Every 6 months	X		**Technical Assistance**
Check the integrity of chiller system piping	Every 6 months	X		**Technical Assistance**
Inspect cables and internal power connections	Every 6 months	X		**Technical Assistance**
Cleaning condensate drying sponges (whenever present)	Every 6 months	X		**Technical Assistance**
Lamp / LED replacement (if present)			X	**Technical Assistance**
Control panel replacement (ECU - thermal switch - etc.)			X	**Technical Assistance**
Power cable, plug and/or socket replacement			X	**Technical Assistance**

Attention

After any maintenance task, you **MUST** perform the electrical safety tests, as required by standard CEI EN 50106.

FAILURE - TECHNICAL SUPPORT

If the appliance is not working properly or stops working, **before contacting** the **Customer support centre**, check the following:

FAULT	CAUSE	SOLUTION	AUTHORIZED PERSONNEL
The appliance is not working	Blown protective fuse	Previously find the cause of the intervention of the switch, and then re-introduce the new fuse.	**User**
	The master switch is open	Close the master switch.	**User**
	The plug is not inserted	Insert the plug.	**User**
	Electric black-out	If the black-out should be prolonged, transfer the product into an appropriate cold storage container.	**User**
The internal temperature is not low enough	Evaporator/s obstructed completely by ice	Carry out an additional defrosting cycle.	**User**
	The wrong temperature has been set on the electronic control board	Set the appropriate temperature.	**User**
	The appliance is affected by draughts or is exposed to direct or reflected sunlight	Remove any excessive draughts and prevent any direct or reflected sunlight.	**User**
	Insufficient cooling air flow from air condenser	Remove anything that may affect air flow inside the condensing unit (paper sheets, cardboard, grids with an insufficient number of holes, etc.).	**User**
	Internal fans at standstill or with fans damage	Contact the **Technical Assistance** service	**Technical Assistance**
	Internal ventilation is too high	Contact the **Technical Assistance** service	**Technical Assistance**
	Low electronic control board efficiency	Contact the **Technical Assistance** service Replace the electronic control board. The control unit must only be replaced with an original replacement from ISA, if specifically made for **R290** refrigerant. Replace the temperature probes only after checking which of the two is not operating efficiently.	**Technical Assistance**
	air condenser clogged with dust or dirt	Contact the **Technical Assistance service.** Clean the condensing unit thoroughly.	**Technical Assistance**
	Insufficient refrigerant load in the cooling system	Contact the **Technical Assistance** service Find the cause behind the lower amounts of coolant and eliminate it. Top up the coolant. If necessary, empty the system before topping up.	**Technical Assistance**
The compressor does not start-up or operates for a few moments	Electrical power shortage to appliance	Check if there is a power cut. Close the various switches on the power supply line.	**User**
	The power supply voltage is too low	Check that the network voltage of the power supply cable is 220V +/- 10%.	**User**
	Set temperature too high	If the set temperature is higher than that of the air in the display area, the compressor does not activate itself. Set a more suitable temperature if the current value is not low enough	**User**
	The pressure switch (if any) was activated at maximum pressure	Contact the **Technical Assistance service.** Check the reasons why the pressure switch is operating at maximum pressure levels, such as: air condensing unit blocked, condensing unit fan stopped, ambient temperature too high, pressure switch broken.	**Technical Assistance**

1 ALARMS LOG (where applicable)

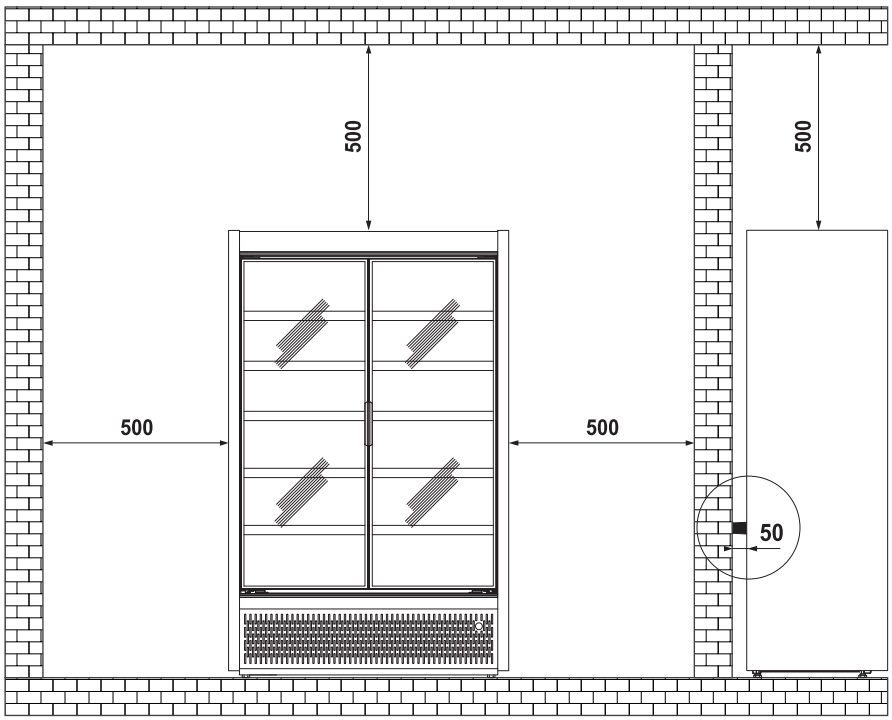
ALARM	DESCRIPTION	OUTPUTS	AUTHORIZED PERSONNEL
P1 **E0**	Broken thermal switch probe. Compressor output as per "CON" and "COFF" parameters	The alarm starts a few seconds after the probe breaks down; it stops a few seconds after the probe starts working again properly. We recommend checking the probe connections before replacing it. Contact the **Technical Assistance service.**	**Technical Assistance**
P2 **E1**	Broken evaporator probe. Set time for defrosting	The alarm starts a few seconds after the probe breaks down; it stops a few seconds after the probe starts working again properly. We recommend checking the probe connections before replacing it. Contact the **Technical Assistance service.**	**Technical Assistance**
HA **HI**	High temperature alarm	The alarm stops automatically on reaching the temperature set. Check programming. Contact the **Technical Assistance service.**	**Technical Assistance**
LA **LO**	Low temperature alarm	The alarm stops automatically on reaching the temperature set. Check programming. Contact the **Technical Assistance service.**	**Technical Assistance**
EA **IA** **CB**	External alarm	The external alarm stops after the digital infeed is deactivated. It should be restarted automatically. The alarm is linked to the intervention of the pressure switch and/or the compressor circuit breaker, when present. Contact the **Technical Assistance service.**	**Technical Assistance**
ETc **RTF**	Real time clock is broken	Reset the clock. If the alarm does not stop, replace the clock. Contact the **Technical Assistance service.**	**Technical Assistance**
EE	Machine parameter error	The instrument is damaged. It should be replaced Contact the **Technical Assistance service.**	**Technical Assistance**
EF	Operating parameters error	The instrument is damaged. It should be replaced Contact the **Technical Assistance service.**	**Technical Assistance**

INSTALLATION II

1 INSTALLATION

Attention

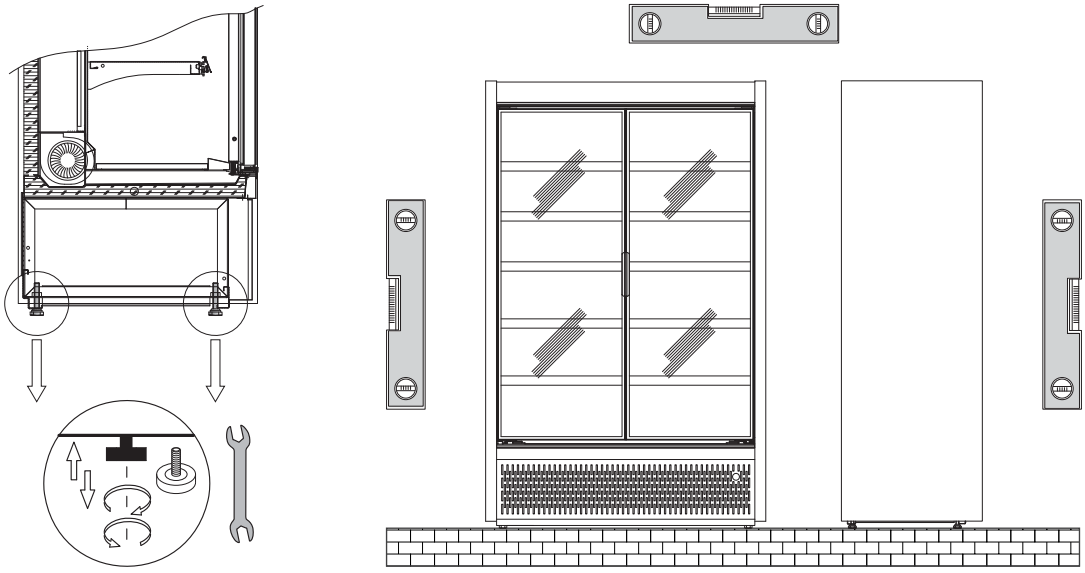
It is fundamental to respect the distances indicated (mm) for correct installation of the appliance.



2 LEVELING / POSITIONING

Attention

The appliance is set-up with height-adjustable feet for stabilisation of the floor.
After positioning it is necessary to level the appliance to the ground.
After positioning it is necessary to stabilise the appliance to the ground.
(all supports must touch ground).



3 LOAD LIMITS

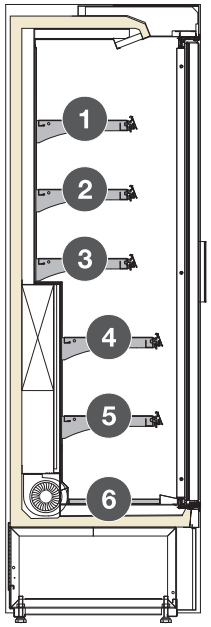
Attention

It is fundamental not to exceed the load limits indicated in order not to alter the correct air circulation and thus prevent a high product temperature.

4 LOAD LIMITS ON COUNTERS (Kg)

Attention

It is absolutely necessary to respect the (max) weight limits indicated for each shelf in order to prevent the deformation or breakage of the shelves themselves.



SHELF N°		100	130
1	Kg	36	45
2	Kg	36	45
3	Kg	36	45
4	Kg	36	45
5	Kg	36	45
6	Kg	36	45