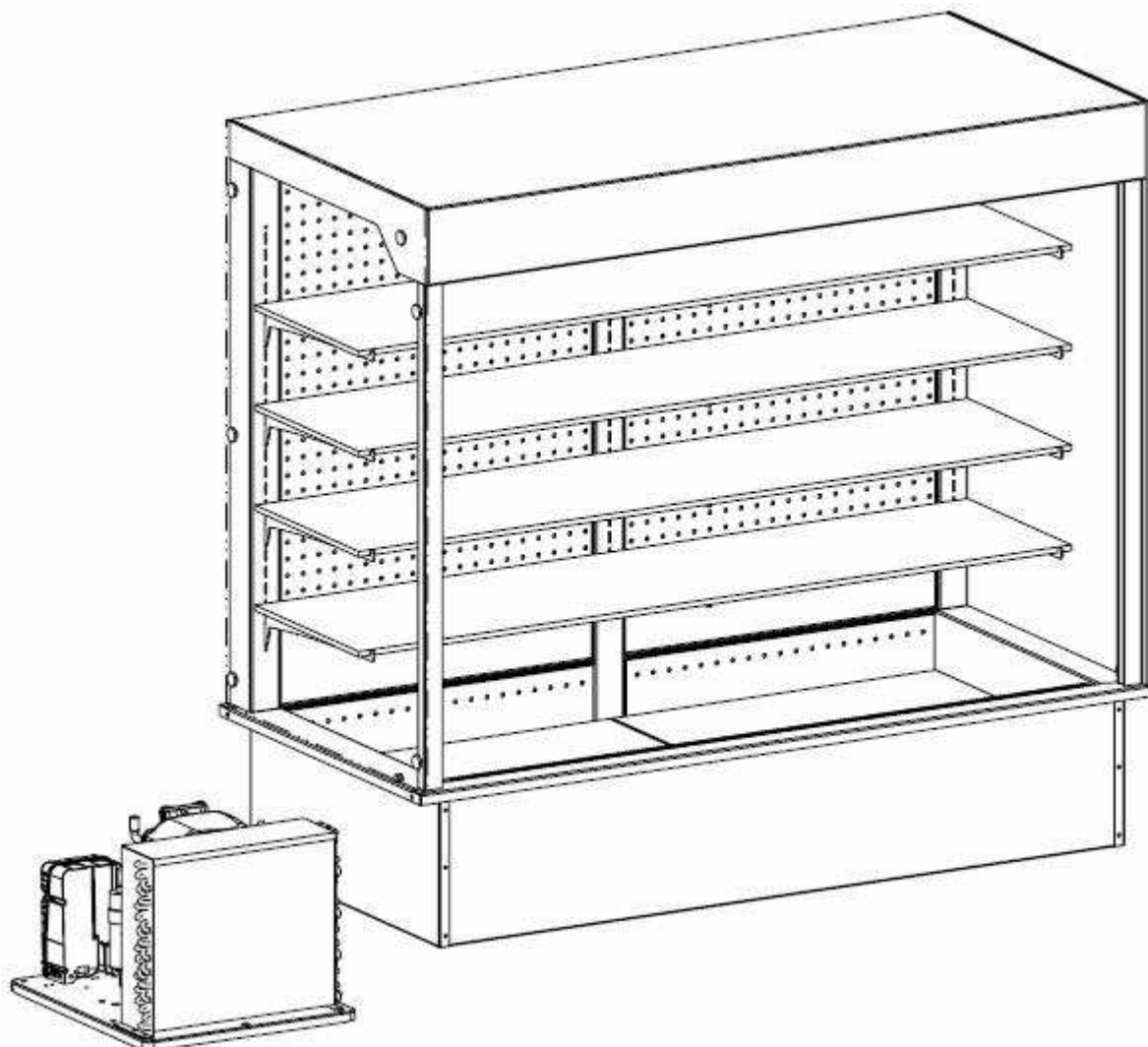
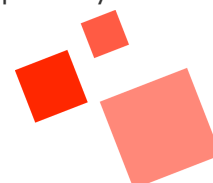


**VISIO-LINE – REFRIGERATED WELL WITH 4 LEVELS
GLASS CABINET FOR LONG-TERM SELF-SERVICE**

A34208 (2GN): 820 x 700 x 290+1050 mm
A34213 (3GN): 1150 x 700 x 290+1050 mm
A34215 (4GN): 1475 x 700 x 290+1050 mm

Rue Charles Hermite
Z.I des Sables – BP 59
54110 Dombasle-sur-Meurthe
France
Tel.: + 33 (0)3 83 45 82 82
Fax: +33 (0)3 83 45 82 93
www.vauconsant.com

Limited company with executive board and supervisory board
capitalised at €1,000,000
Postal cheques: 2145 J Nancy
NAF 28.93.Z
RCS Nancy B 757.804.042
Intracommunity VAT n° FR 52 757 804 042



Manual to be read and kept

Contents

Introduction	3
Installation	4
Commissioning / Use	7
Cleaning	8
Diagnostic	9
Maintenance	10
Thermostat instructions / settings	11
Electric and refrigeration diagrams	14
Spare parts	16
Technical support / Warranty	17

Introduction

Performance of the unit

The 4-level refrigerated well with 4 levels glass cabinet for long-term self-service is designed to keep food at a temperature of:

- +3°C on average at core at a room temperature of 25°C for 4 hours
- +5°C on average at the food core at a room temperature of 25°C for 24 hours

The temperature of the food provided should be between 0°C and 3°C.

Performance tests have been conducted in laboratory with Tylose Pack Tests.

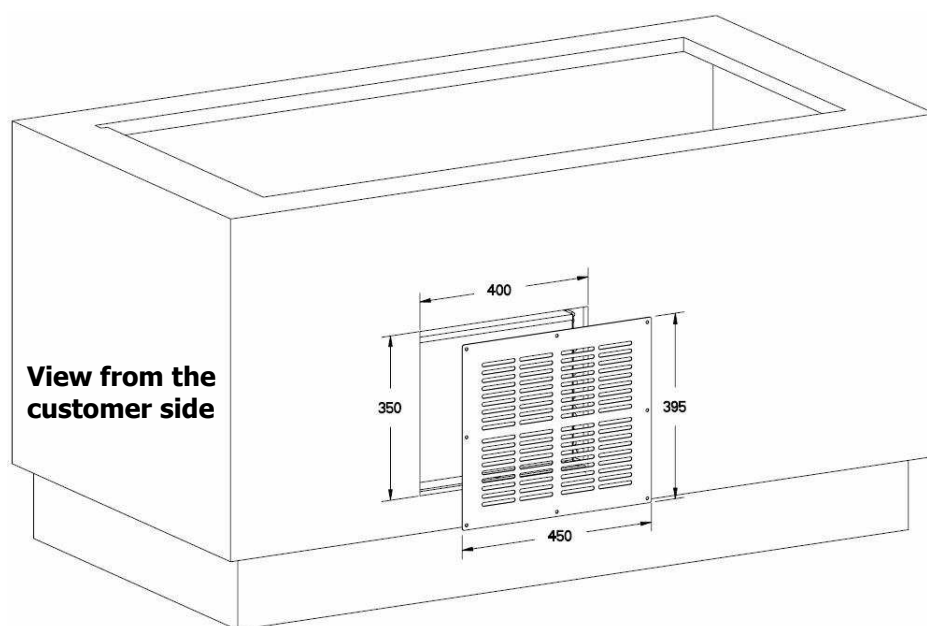
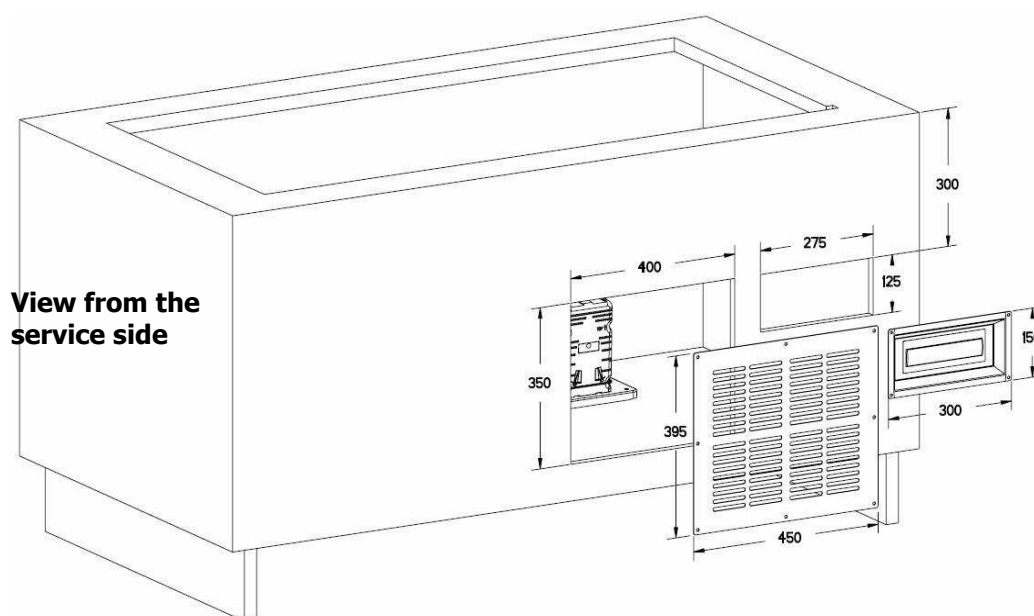
The UVC lamp option is a means of limiting development of bacteria.

These units comply with applicable EC norms and should be installed and used following the instructions in this manual to ensure good performance and to be covered by the warranty.

Installation

- **Installation:**

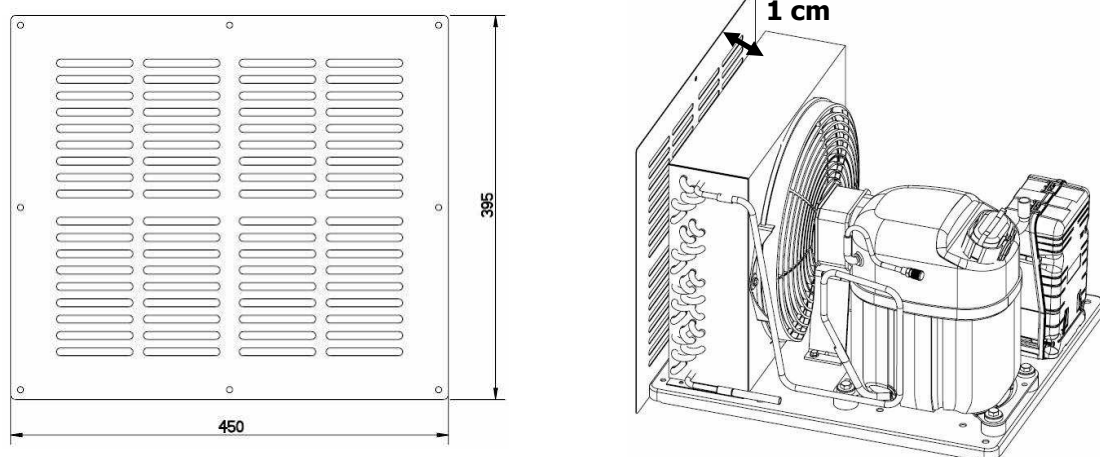
- Insert the module into the purpose-cut slot.
- Mount the switch cabinet vertically, using its angle bracket.
- Before connecting the switch cabinet (fuse holder) to the power grid, it is imperative to control its tension to adapt it to that mentioned on the manufacturer' plate of the unit. The mains supply should be protected by a differential circuit breaker.
- The switch cabinet must be located in **closed premises**.
- Seal the top with a silicone joint..



Refrigeration connection
Installation of the condensation generator

The condensation generator should be positioned facing the ventilation grid provided which is the same format as the condenser.

It is imperative to position the condenser **as close as possible** (1 cm) to the ventilation grid.

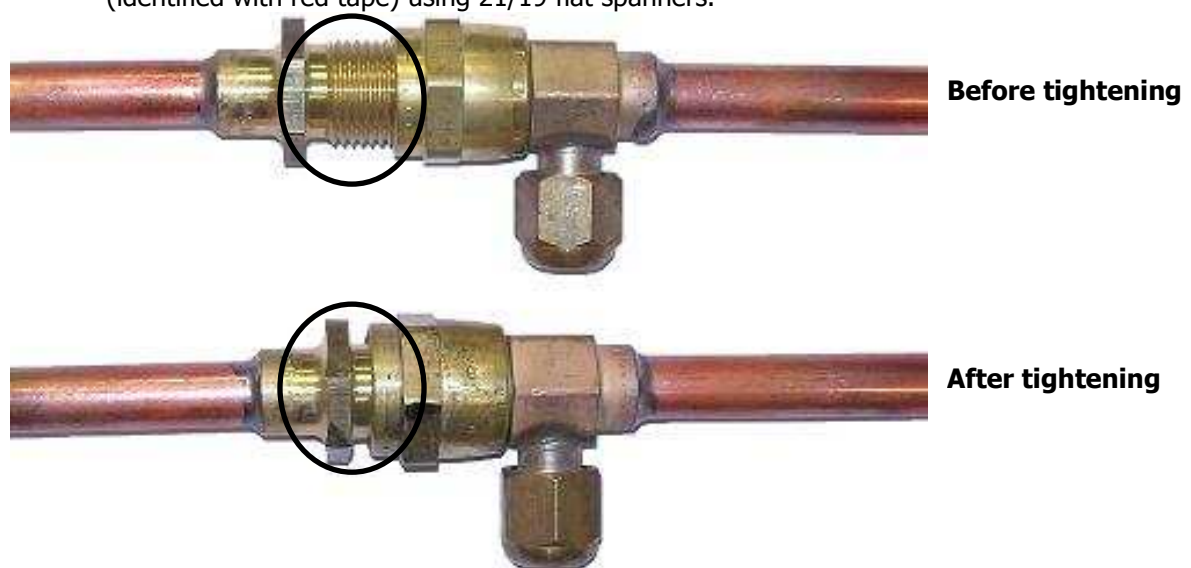


Connect the refrigerating circuit, following the refrigeration diagram.

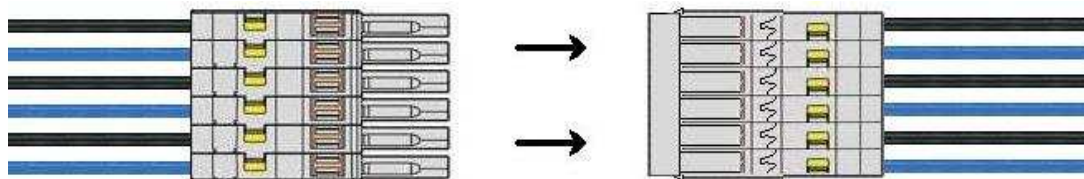
- **Option with condensation generator supplied**

Tightening of self drilling connection

1. Manually tighten both $\frac{1}{2}$ female and male connections with protective cap
2. Use two flat 27/33 spanners to strike the $\frac{1}{2}$ protective caps
3. Continue to tighten to obtain the tightness (2 cycles of tightening force)
4. Test tightness with soapy water or a leak detector
5. Repeat the operation with both $\frac{1}{4}$ female and male connections with protective cap (identified with red tape) using 21/19 flat spanners.

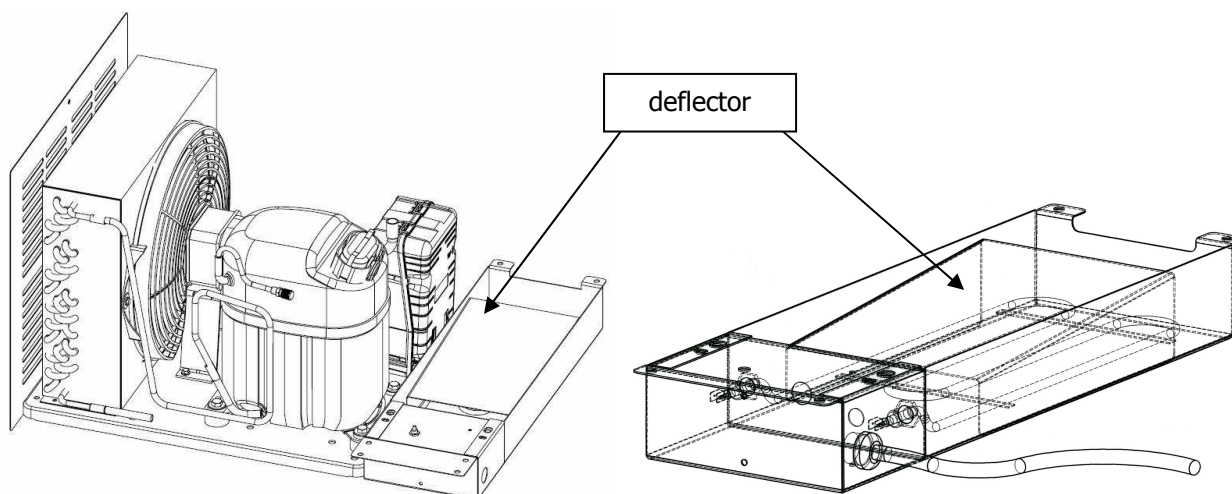


Connect the pluggable connectors



Evaporation tray option

- The tray should be preferably positioned in front of the generator to facilitate exit of condensate vapours and avoid hot air intake.
- The evaporation tray's supply cable should be connected to the socket located in the switch cabinet of the unit.
- The deflecting sheet placed in the evaporation tray is used to guide the steam. It should be positioned at the centre of the evaporation tray (or should have the same play each side of the sheet) and should follow the incline direction, as shown on the diagrams below.



- Mount the draining tube on the plug, not forgetting the joint supplied. Place the tube at the other end in the clip provided on the evaporation tray.

NB: The evaporation tray is only designed to evacuate defrosted water.

Installation of the ventilated evaporation tray

If the generator is at a distance, the tray should be placed in front of a grid to facilitate output of condensate vapours.

- **Option with condensation generator not supplied**

The connection should be done by a professional refrigeration expert.

Commissioning / Use

- ***Commissioning:***

Switch the glass cabinet on two hours before filling it.

- ***Use:***


Glass cabinet

Press the  thermostat button.

Once the thermostat is on, the generator starts a minute afterwards (safety time) to supply the glass cabinet.

The thermostat is set in the factory after tests.

When the temperature required is reached, the generator stops automatically.

Press the  thermostat button to stop regulation of the unit.

Lighting

Press the  thermostat button to switch lighting on and off.

Setting of the thermostat

See section "User instructions for the XW60L thermostat"

Automatic defrosting


This function is built into the thermostat, it is set in the factory.

See section "User instructions for the XW60L thermostat"

Cleaning

Always take care to switch off the appliance with thermostat before cleaning. This unit is not impermeable to water. Do not use a high pressure water jet to clean it inside or out.

**Risk of burning the eyes!**

If the UVC lamp option is mounted on the unit, check that the lamp is off. If not, switch the thermostat off by pressing on the  button

Every day:**• Metal surfaces:**

Stainless steel should be cleaned with soapy warm water or a special product for high quality metal surfaces. Never use abrasive sponges or scourers to avoid scratching the surface.

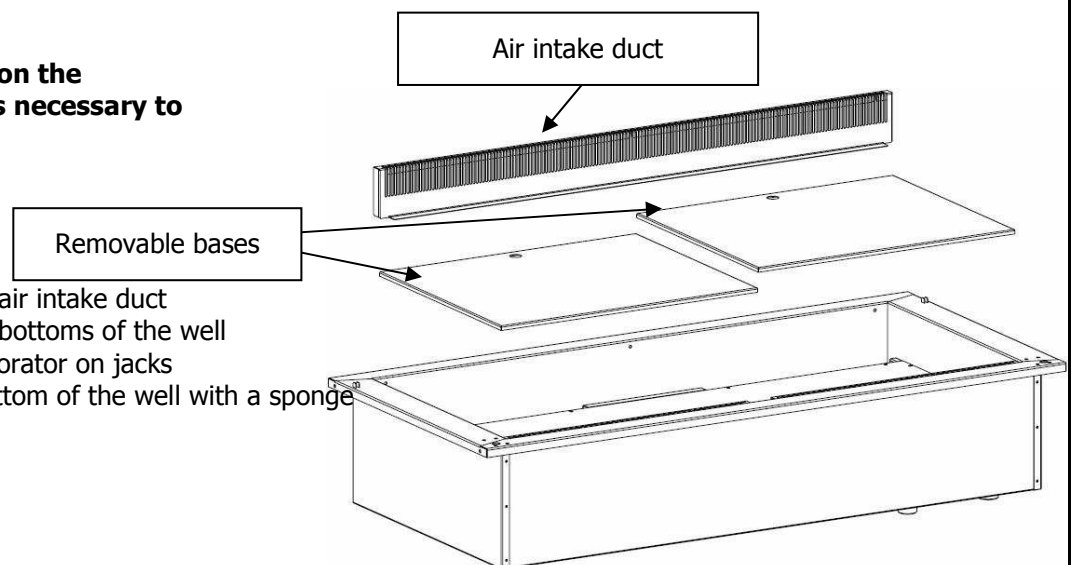
• Glass:

Clean using a high quality glass cleaning product and clean cloth. Never use abrasive sponges or scourers to avoid scratching the surface.

• Bottom of the well under the evaporator:

Risk of cutting on the evaporator, it is necessary to wear gloves.

1. Remove the air intake duct
2. Remove the bottoms of the well
3. Lift the evaporator on jacks
4. clean the bottom of the well with a sponge



Diagnostic

Symptoms	Possible causes	Remedies
The generator does not start	No electricity supply	Switch on the thermostat
	Thermostat off	Check the general circuit breaker Check the fuse in the switch cabinet
	Faulty supply	Check tightening of the lugs and wires on all the internal and external cabling of the switch cabinet
Thermostat glass cabinets P1	Faulty probe	Replace the probe
Icing up of the evaporator	The unit is not level	Put the unit level
	Incorrect settings	Configure the thermostat to the settings supplied in this manual.
Thermostat switched on No Cold COMP light off	Incorrect settings	Check settings of the thermostat.
	DEF light on	Defrosting period. To delete it, switch the thermostat off and back on again.
Thermostat switched off No Cold COMP light on	Incorrect settings	Check settings of the thermostat.
	Faulty connections	Check the generator's connections
Not enough ventilation	Faulty ventilators	Check the outlet voltage. Check the voltage on the ventilators. If the voltage is right, replace the faulty ventilator(s)
	Icing up	See the icing up section above

NB

Fuses should be replaced by the same type and caliber.

If you have not solved your problem, contact a refrigeration professional.

Maintenance

Always remember to **switch off** the appliance by opening the fuse holder before any maintenance operations.

- **Features:**

Reference	Capacity	Power		Evaporation tray option + 600 W
		Refrigeration	Electric	
A34208	2GN	1185 W	1000 W	
A34213	3GN	1727 W	1450 W	
A34215	4GN	2126 W	1900 W	

- **Procedures:**

Every 4 months, check that the condenser is not blocked and clean it properly.

Every year, check:


- That the condenser ventilator works properly
- That the evaporator ventilators work properly
- The jacks move up and down properly

The installer should check electric connections when commissioning the unit then once a year.

Any maintenance operations should be done by a professional.

User instructions for the XW60L thermostat

1. Warning

- **Important:** disconnect electrical connections before any intervention.
- **The appliance should not be opened.**
- In the event of a breakdown, send the appliance to  **Vauconsant**, with a detailed description of the problem observed.

2. General description

The **XW 60L** is a regulator with microprocessor aimed at medium or low temperature refrigeration applications. It has 4 relay outputs to control the compressor, defrosting, evaporator ventilators and lights.

It also has two NTC probe inputs, one to control temperature, the second to control temperature at the end of evaporator defrosting.

Regulation is obtained by the temperature measured by an atmospheric probe with positive differential with respect to the set point: when the temperature increases and reaches the set point plus the differential, then the compressor starts. It stops when the temperature reaches the set point again.

3. Keyboard



To display and modify the set point. In the programming mode, used to select a setting or confirm an operation.

By pressing this key for 3 seconds when the maximum or minimum temperature is displayed, it will be erased.



To display the maximum temperature recorded. In programming mode, is used to browse through the list of settings or increase the displayed value. By pressing this key for 3 seconds, the rapid refrigeration cycle starts.



To display the minimum temperature recorded. In programming mode, used to browse through the list of settings or reduce the displayed value.



By keeping it pressed down for 3 seconds, defrosting starts.



Starts or switches off lighting



Switches the appliance on or off.

COMBINED KEYS



+



To lock or unlock the keyboard.



+



To enter programming mode.



+



To leave programming mode.



a. Lock and unlock the keyboard

LOCK THE KEYBOARD





and














Press the  and  keys at the same time for more than 3 seconds. The "POF" message is displayed and the keyboard is locked. It is then only possible to see the set point, minimum and maximum temperatures and activate or deactivate the lights and regulator.

UNLOCK THE KEYBOARD


Press the  and  keys at the same time for more than 3 seconds. The "POn" message is displayed and the keyboard is unlocked.

b. Meaning of the LEDs

The function of each LED is described in the following table:

LED	MODE	FUNCTION
	ON	Compressor on.
	Flashing	Programming phase (flashes with ) Anti-short cycle on
	ON	Ventilator on
	Flashing	Programming phase (flashes with )
	ON	Defrosting on
	Flashing	Drainage in progress
	ON	Rapid refrigeration cycle on
	ON	Signals an alarm In "Pr2" indicates the settings also present in "Pr1"
	ON	The light is on

c. Display the minimum temperature


Press and release this key.

The "Lo" message is displayed followed by the minimum temperature recorded.
By pressing this key again or waiting 5 seconds, the normal display returns.

d. Display the maximum temperature


Press and release this key.

The "Hi" message is displayed followed by the maximum temperature recorded.
By pressing this key again or waiting 5 seconds, the normal display returns.

e. Reboot minimum and maximum temperatures

To reboot the recorded temperature, when the maximum or minimum temperature is displayed, press on the SET key until the "rST" code starts to flash.

N.B.: After an installation, reboot the recorded temperature.

f. Display and modify the set point


Press the SET key and release it immediately: the set point value is displayed.
The SET LED flashes.

To change the value, press  or  within 10 seconds.

To store the new set point value, press the SET key again or wait 10 seconds.



g. Start manual defrosting


Press the DEF key more than 2 seconds and manual defrosting starts.

h. Enter the Pr1 programming mode


To enter "Pr1" (settings accessible to the user):



Enter the programming mode by pressing simultaneously on the SET and DOWN keys for a few seconds ( and  flash).

The regulator displays the 1st setting in "Pr1".

i. Enter the Pr2 programming mode

To access settings present in "Pr2" (accessible to technicians), please contact  **Vauconsant**, who will give you the secret code to access these settings.

4. Alarm signals

Message	Cause	Outputs
"P1"	Atmospheric probe fault	ON alarm output Compressor output depending on "CO _n " and "COF" settings
"HA"	High temperature alarm	ON alarm output Other outputs unchanged
"LA"	Low temperature alarm	ON alarm output Other outputs unchanged
"EE"	Memory breakdown or fault	ON alarm output Other outputs unchanged
"dA"	End of defrosting alarm	ON alarm output Other outputs unchanged

The alarm message is displayed until the alarm condition is reseted. All alarm messages are displayed alternately with the atmospheric temperature except for "P1" which flashes. To reboot the "EE" alarm and start normal operation again, press on any key. The "**rSt**" message will be displayed for 3 seconds.

a. The EE alarm

The regulator includes an internal memory checking system. The "**EE**" alarm flashes when an internal memory fault has been detected. In this case, the alarm output is activated.

b. Alarm reset

"**P1**" probe alarms (probe defect), "**P2**": they stop automatically 10 seconds after the probe has resumed normal operation. Check the connections before putting back the probe.

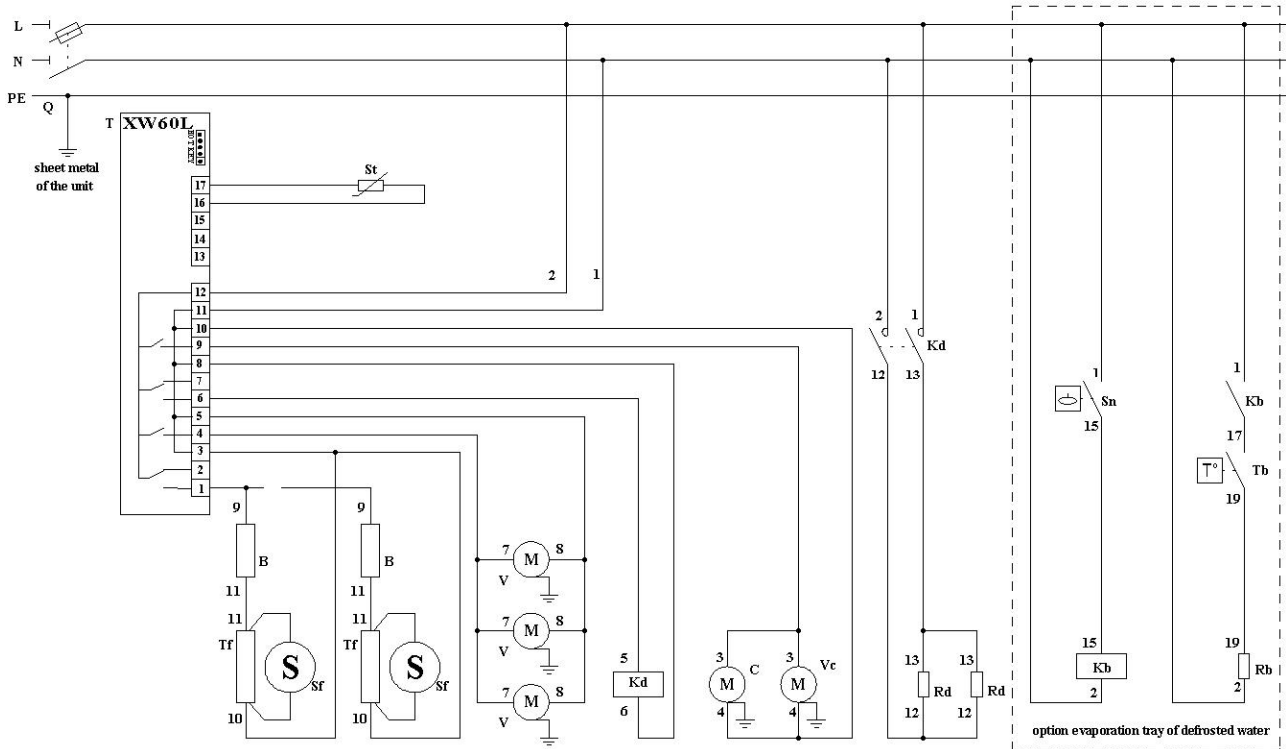
"**HA**" and "**LA**" temperature alarms: they stop automatically when the regulator's temperature returns to normal values or when defrosting starts.

5. Settings programmed in the factory

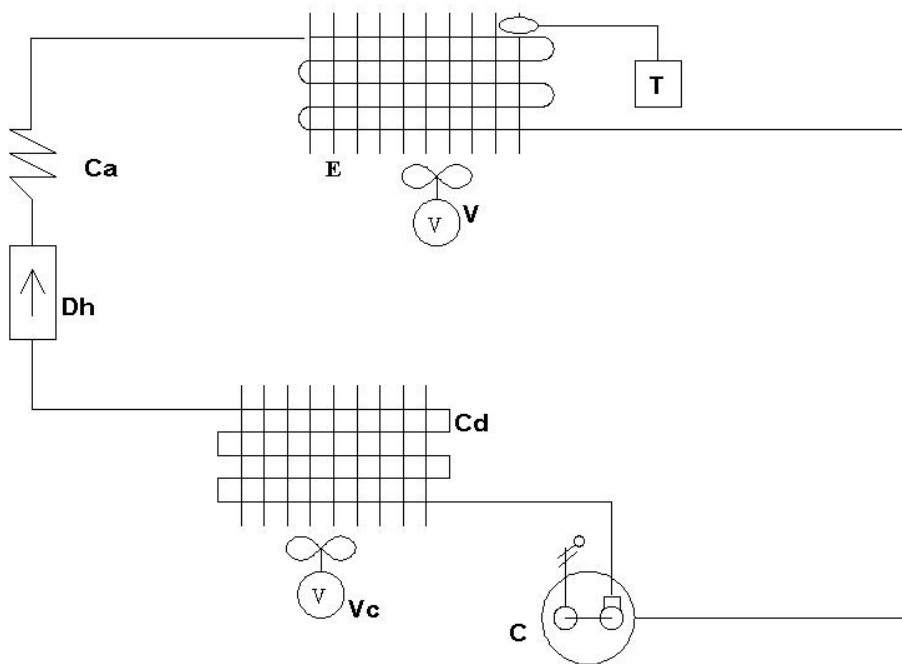
Setting	Name	Value
Set	Set point	4
Hy	Differential	1
AC	Anti-short cycle time	1
rES	Resolution	dE
tdF	Type of defrosting	rE
IdF	Interval between defrosting cycles	1
MdF	(Maximum) defrosting time	4
ALU	High temperature alarm	8
ALL	Minimum temperature alarm	2
ot	Atmospheric probe calibration	9
P2P	Presence of evaporator probe	N
Adr	Serial address (not used)	1
P2r	Access to the list of protected settings (read only)	
Fdt	Drainage time	3

Generator option supplied

Electric diagram

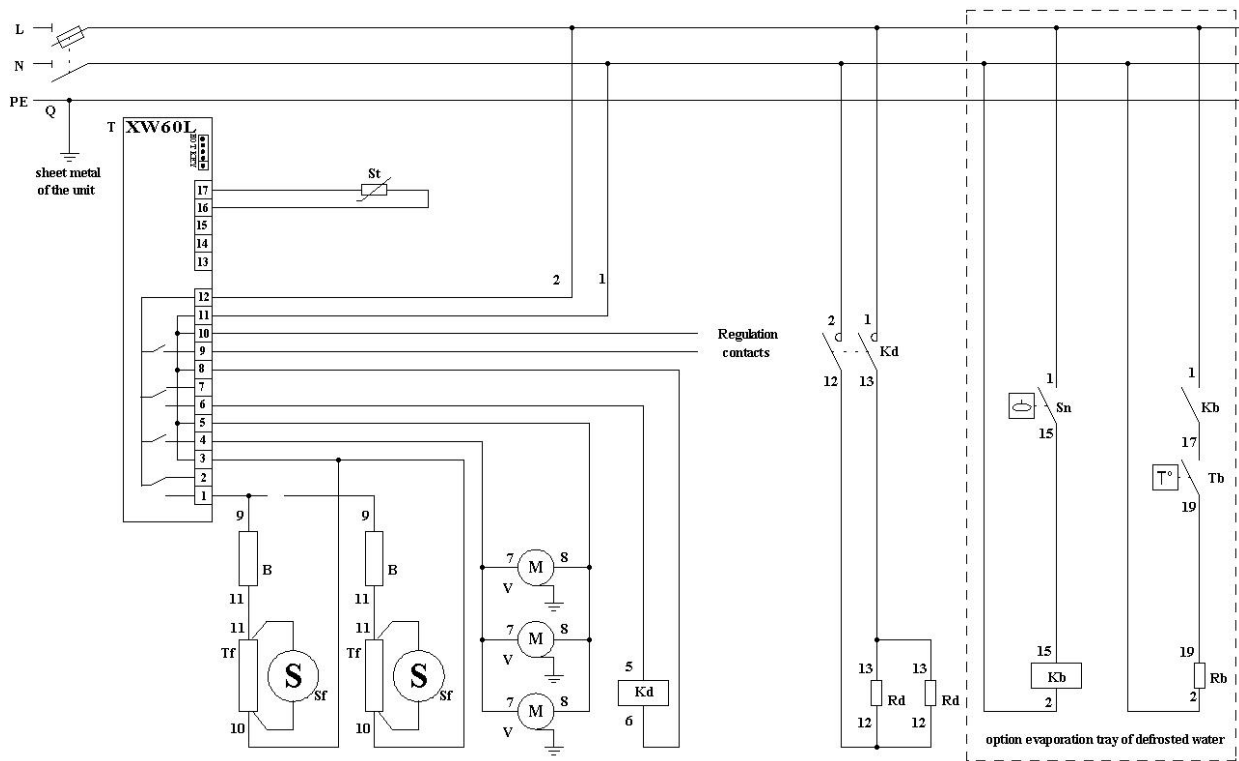


Refrigeration diagram

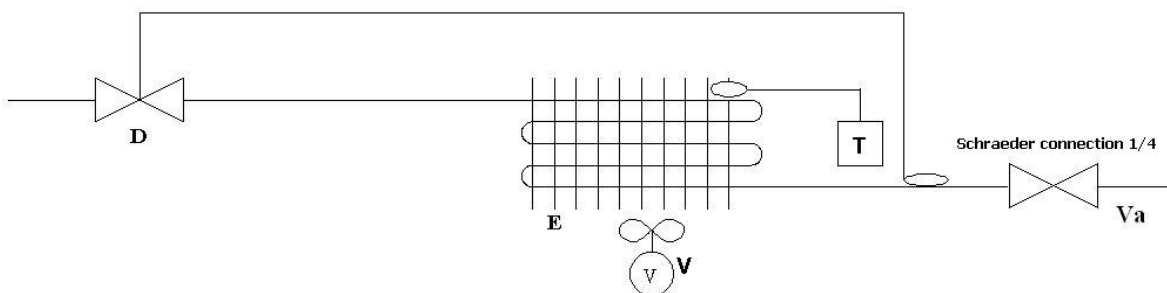


Generator option not supplied

Electric diagram



Refrigeration diagram



Caption

B	Ballast	Rd	Defrosting heating element
C	Compressor	Sf	Starter
Ca	Capillary	Sn	Evaporation tray water level probe
Cd	Condenser	St	Temperature probe
D	Reducing valve	T	XW60L thermostat
Dh	Dehydrator	Tb	Evaporation tray safety thermostat
E	Evaporator	Tf	Fluorescent tube
Kb	Evaporation tray contactor	V	Tray ventilator
Kd	Defrosting contactor	Va	Schraeder 1/4 connection
Q	Fuse holder	Vc	Condenser ventilator
Rb	Evaporation tray heating element		

Spare parts

Code	Name	Unit capacity		
		2GN	3GN	4GN

Accessories				
02.4250	Gas jack for evaporator	X	X	X
03.1082	Glass shelf 10 mm thick, 775x360mm	X		
03.1084	Glass shelf 10 mm thick, 1105x360mm		X	
03.1086	Glass shelf 10 mm thick, 1430x360mm			X
03.1090	Side glass 6 mm thick 1050x690mm	X	X	X
09.2692	Rigid shutter 771mm	X		
09.2694	Rigid shutter 1,101mm		X	
09.2696	Rigid shutter 1,426mm			X

Electric equipment				
06.0810	Armoured defrosting heating element 570 mm 450W	X		
06.0812	Armoured defrosting heating element 890mm 675W		X	
06.0814	Armoured defrosting heating element 1,220mm 900W			X
06.3410	Evaporator ventilator 119x119x38 mm ref 4656 ZWU	X	X	X
12.0272	Dixell XW60L thermostat	X	X	X

Refrigerating equipment				
12.2518	Evaporator length 580 mm	X		
12.2520	Evaporator length 900 mm		X	
12.2522	Evaporator length 1,230 mm			X

Compressor generator				
12.2780	CAE 9480 ZMH condensation generator	X		
12.2800	CAE 9513 ZMH condensation generator		X	
12.2806	CAJ 4517 ZH-517 F condensation generator			X

Fluorescent tube lighting				
06.4780	590mm fluorescent tube	X		
06.4784	970mm fluorescent tube		X	
06.4786	1,200mm fluorescent tube			X
06.4810	Ballast for 18 W tube	X		
06.4812	Ballast for 36W tube		X	X
06.4820	Water resistant sheath for 590mm tube	X		
06.4828	Water resistant sheath for 970mm tube		X	
06.4822	Water resistant sheath for 1,200mm tube			X

Technical support

sav@vauconsant.com

Spare Parts Department: +33 (0)3 83 45 82 78

Hotline: +33 (0)3 83 45 44 48

Fax: +33 (0)3 83 45 82 75

Warranty

The appliance's warranty applies as of the **shipment date** from our factory in Dombasle Sur Meurthe (France) for a period of **12 months. It does not cover breakage of the glass.**

To benefit from the warranty, the buyer should order by fax or email, specifying the warranty application with appliance reference found on the identification plaque. On reception of the appliance, the buyer should return and pay shipment for the defective appliance, within fifteen working days. Any appliance not returned shall be invoiced. Any appliance bought from another supplier may not benefit from a credit as covered by the warranty.

Transport and labour costs are to be paid by the buyer.

The buyer is invited to make any reservations to customers for appliances stored without commissioning on delivery, particularly for refrigerated and electrical equipment.

The warranty does not extend to wear caused by defects or poor maintenance of equipment or damage caused by knocks or improper use.

Any warranty also excludes incidents caused by fortuitous events or force majeure, unidentified causes or causes by the buyer's actions of any form whatsoever: improper location, faults linked to use (operation, maintenance not in accordance with this manual, unqualified staff, etc.), modification of the equipment, repair conducted outside the terms of this manual, spare parts, etc.

Liability

Vauconsant's liability is strictly limited to the obligations defined above and it is formally agreed that Vauconsant shall not be required to pay compensation.

Under no circumstances shall Vauconsant be required to pay compensation for any immaterial or indirect damage such as: loss of business, loss of profit, loss of an opportunity, commercial prejudice, shortfall.

In any case, Vauconsant's civil liability, for all causes, with the exception of corporal damage and fraud or serious misdemeanour, may not exceed the sum of the contract.

The buyer and its insurers shall not take legal action against Vauconsant and its insurance companies above and beyond the limits and exclusions set out above.