

# User instructions

Oscar Vaccine & Medication Cabinet VXT

Oscar Pharmacy Cabinet VXT



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## General description

Oscar Vaccine and Medication Cabinets are intended for use by healthcare professionals in the administration of drugs.

Oscar Pharmacy Cabinets are intended for use by pharmacy staff in the administration of drugs. The refrigerators should only be used by trained personnel who are familiar with the content of this instruction manual.

The refrigerators are equipped with a temperature alarm and an electronic control system allowing the minimum/maximum temperature to be read off. The temperature differential is less than 1 degree. In the event of any fluctuation a temperature alarm is triggered.

Our medication cabinets come equipped with stainless steel inner shells and chrome steel shelves with real Plexiglas inserts. They are burglar proof, with ASSA oval safety locks, and they are explosion proof.

The warranty period is two years and applies to malfunctions occurring during the warranty period. The warranty does not apply to faults occurring during or after changes to the product's area of application or to external damage and wear.

The refrigerator is calibrated when it is delivered from the factory.

## Product overview

Product number	Name	Volume
1-415	Vaccine and Medication Cabinet VXT15, right	45 litres
1-416	Vaccine and Medication Cabinet VXT15, left	45 litres
1-415G	Vaccine and Medication Cabinet VXT15, glass door, right	45 litres
1-416G	Vaccine and Medication Cabinet VXT15, glass door, left	45 litres
1-420	Vaccine and Medication Cabinet VXT20, right	70 litres
1-421	Vaccine and Medication Cabinet VXT20, left	70 litres
1-420G	Vaccine and Medication Cabinet VXT20, glass door, right	70 litres
1-421G	Vaccine and Medication Cabinet VXT20, glass door, left	70 litres
1-425	Vaccine and Medication Cabinet VXT25, right	100 litres
1-426	Vaccine and Medication Cabinet VXT25, left	100 litres
1-425G	Vaccine and Medication Cabinet VXT25, glass door, right	100 litres
1-426G	Vaccine and Medication Cabinet VXT25, glass door, left	100 litres
1-430	Vaccine and Medication Cabinet VXT30, right	140 litres
1-431	Vaccine and Medication Cabinet VXT30, left	140 litres
1-430G	Vaccine and Medication Cabinet VXT30, glass door, right	140 litres
1-431G	Vaccine and Medication Cabinet VXT30, glass door, left	140 litres
1-435	Vaccine and Medication Cabinet VXT35, right	180 litres
1-436	Vaccine and Medication Cabinet VXT35, left	180 litres
1-435G	Vaccine and Medication Cabinet VXT35, glass door, right	180 litres
1-436G	Vaccine and Medication Cabinet VXT35, glass door, left	180 litres
1-445	Vaccine and Medication Cabinet VXT45, right	320 litres
1-446	Vaccine and Medication Cabinet VXT45, left	320 litres
1-445D	Vaccine and Medication Cabinet VXT45, full door, left	320 litres
1-446D	Vaccine and Medication Cabinet VXT45, full door, right	320 litres

1-445G	Vaccine and Medication Cabinet VXT45, glass door, right	320 litres
1-446G	Vaccine and Medication Cabinet VXT45, glass door, left	320 litres
1-325	Vaccine and Medication Cabinet VXT325, right	325 litres
1-326	Vaccine and Medication Cabinet VXT325, left	325 litres
1-325G	Vaccine and Medication Cabinet VXT325G, glass door, right	325 litres
1-326G	Vaccine and Medication Cabinet VXT325G, glass door, left	325 litres
1-400.	Vaccine and Medication Cabinet VXT400, right	400 litres
1-401.	Vaccine and Medication Cabinet VXT400, left	400 litres
1-400G	Vaccine and Medication Cabinet VXT400, glass door, right	400 litres
1-400G	Vaccine and Medication Cabinet VXT400, glass door, left	400 litres
1-325	Pharmacy Cabinet VXT325, right	325 litres
1-326	Pharmacy Cabinet VXT325, left	325 litres
1-400	Pharmacy Cabinet VXT400, right	400 litres
1-401	Pharmacy Cabinet VXT400, left	400 litres
1-400G	Pharmacy Cabinet VXT400, glass door, right	400 litres
1-401G	Pharmacy Cabinet VXT400, glass door, left	400 litres

## Before you start

**Read these user instructions before installing and using the product!**



### General information

### Safety instructions

1. The refrigerator contains R134a (Tetrafluoroethane), a gas that is certified as non-toxic and non-flammable.
2. Do not touch the cooling element during normal operation, this is because some components may be sharp and can result in cuts.
3. Do not store explosive substances such as aerosol cans containing a flammable propellant in the refrigerator.
4. The insulation in the refrigerator is expanded polystyrene (EPS) and contains "pentane" which is flammable if it comes into direct contact with a naked flame.
5. The refrigerator has an automatic defrost function.
6. Do not use mechanical or other products to hasten the defrosting process
7. Do not use sharp objects to remove any ice. This can cause damage to the cooling element.
8. Never pull, bend or damage the power cable.
9. Never use a power cable that is defective or in poor condition. If a power cable is damaged it must be replaced by authorised personnel or by the manufacturer.
10. Always remove the lock plate before sending the refrigerator for disposal.
11. The small bottle contains glycerol and helps to measure the temperature in the cabinet and must not be emptied.
12. Where the refrigerator is not fitted with a lock and the door is slammed, air pressure can cause it to open again; for this reason the door should be closed carefully.



### Before using the medication and pharmacy cabinet

1. Remove the protective plastic from the white panel if desired.
2. Mount the adjustable feet on the base (applies to units above 140 litres). Position the cabinet.
3. If several cabinets are being installed side by side fit spacers between them.
4. The cabinet must always be secured to the wall with the anti-tip protection.
5. Install the power cable.
6. Wipe clean visible components in the cabinet using a damp cloth.
7. Remove the protective plastic from the Plexiglas shelves and insert the appropriate trays.
8. Position the defrost water container on the bottom shelf.

**Installing the medication and pharmacy cabinet**

1. The cabinet is set to an operating temperature of +5 °C which is measured in 50 ml of fluid. The alarm range is +2-+8 °C. When the power cable is plugged into the wall socket the display will show the current temperature and PF.
2. Wait 4 hours, or until the cabinet displays the correct temperature. The cabinet is now ready for use.
3. Press on the button at the far left to reset PF (Button No. 2).
4. Note that the refrigerator shelves are designed for a maximum load of 12 kg.
5. Note that goods must not be stored on the bottom of the refrigerator.
6. Note that goods must not be loaded outside the shelf and/or against the back of the refrigerator.
7. To ensure optimal circulation in the refrigerator there should be an airflow between the goods, in other words between the packaging.
8. The power supply to the medication cabinet is 230 V ~50 Hz, 95 W.
9. The refrigeration unit refrigerant is R134a.
10. The refrigerator has a service class of 6.
11. Do not place heavy objects on top of the medication cabinet.
12. For refrigerators with a volume of 140 litres and above: To keep the refrigerator stable mount the adjustable feet supplied. Adjust the feet by turning them.
13. The pharmacy cabinet can be provided with an external alarm cable. Connect to NC when installing.
14. The length of the alarm cable is 2 metres.
15. If the power cable is damaged it must be replaced by authorised personnel or by the manufacturer.
16. The length of the power cable is 3.5 metres.
17. The refrigerator is factory calibrated.

# Operation

## Daily routine

1. Check and document the maximum and minimum temperatures once a day.
2. Press the max and min buttons respectively and note the temperatures.
3. Finish by resetting.
4. Reset by depressing button 2 for at least 3 seconds.
5. rES is displayed and the reset is complete.
6. Check the defrost water container (the large bottle), empty as necessary.

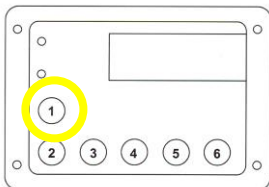
## In the case of alarm

1. Press button 2 (2) briefly to shut off the acoustic signal.
2. Press button three (3) to record the maximum temperature.
3. Press button four (4) to record the minimum temperature.
4. When the correct temperature has been obtained finish by resetting.
5. Reset by depressing button 2 (2) for at least 3 seconds.
6. rES is displayed and the reset is complete.

## At PF (power fail) in display

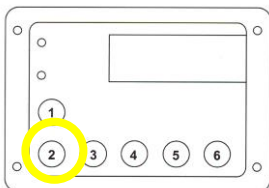
1. PF appears when there is power failure and the temperature is higher than +8 degrees C when the power come back.
2. Press button two (2) briefly to acknowledge which causes PF to disappear from the display.

## Description of the display



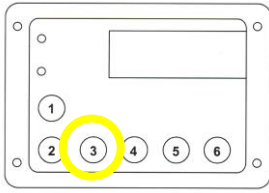
Button one (1) (concealed): Manual defrost and up.

This button is used if extra defrosting is required. Depress the button for 3 seconds to start extra defrosting. Button one (1) is also used together with button five (5) to adjust the temperature. See the instructions for button five (5)

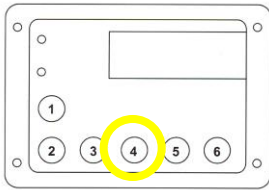


Button two (2): Alarm reset and down

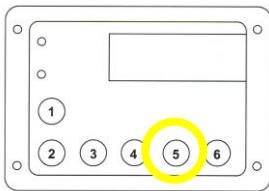
Press briefly to shut off the audible alarm. To reset the minimum/maximum function values depress for 3 seconds until rES is shown in the display. This button is also used together with button five (5) to adjust the temperature. See the instructions for button five (5).

**Button three (3): Max display**

Press the button to display the highest temperature.

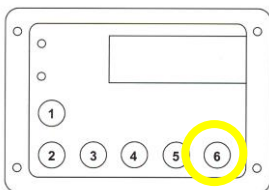
**Button four (4): Min display**

Press the button to display the lowest temperature.

**Button five (5): Checking the temperature and down**

Used to display the value set for the cooling compartment, for example +5 °C (factory setpoint). To change the value set for the cooling compartment, proceed as follows:

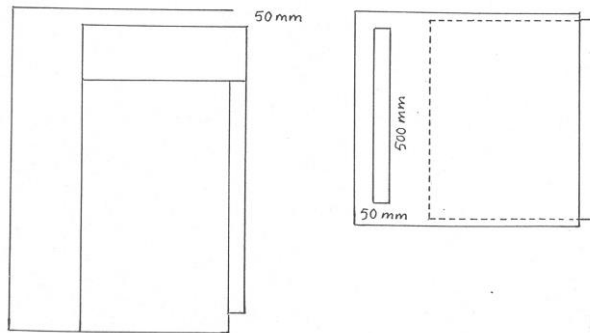
1. Depress control button five (5)
2. To increase the temperature press button one (1) at the same time.
3. To decrease the temperature press button two (2) at the same time.

**Button six (6): Main switch**

Depress for 10 seconds to switch the power on or off. Power is cut to the cabinet when the power cable is unplugged.



## Installation instructions



When the cabinet is being built in ventilation must be provided.

The ventilation hole above the cabinet must be at least 50 mm or one side must be open. Alternatively a 50 x 500 mm ventilation hole can be made in the panel above the cabinet. See illustration.

If the cabinet is installed in a high unit, the 50 x 500 mm ventilation hole must cut at the top of the panels to achieve a chimney effect. See illustration.

## Cleaning and maintenance

- Clean visible components using a damp cloth.
- Use cleaning products generally used in healthcare.
- Wipe clean using a dry cloth.
- Do not clean the medication cabinet by pouring water on it.
- Check the defrost water container (the large bottle), empty as necessary.
- Check that the defrost water hose running from the unit down to the defrost water container is clean.
- The small bottle contains glycerol and helps to measure the temperature in the cabinet and must not be emptied.
- The refrigerator has power cables, check that these are intact. Never use cables that are defective or in poor condition. If power cables are damaged they must be replaced by authorised personnel or by the manufacturer.
- The refrigerator is factory calibrated.

## Servicing instructions



**Always unplug the mains cable when undertaking repair and maintenance!**  
**If the mains cable is damaged it must be replaced. New ones can be bought from the supplier.**

### Mounting the refrigeration unit

1. Unplug the power cable from the wall socket.
2. Disconnect the sensor cable from the mounting bracket on the small bottle.
3. Remove the hood screw and remove the hood.
4. Remove the four screws holding the unit in place.
5. Lift the unit straight up. Take care to remove the sensor cable as well; there is a risk that it can be pulled apart.
6. Mount the new unit in the reverse order.

### Installing the medication and pharmacy cabinet

If the refrigerator needs to be moved or repositioned it is recommended that the cabinet be moved standing upright. The safest way to move or reposition the cabinet is described below. Use a sack truck.

1. Unplug the power cable from the wall socket.
2. Remove the medication and shelves from the refrigerator.
3. Remove the defrost water container and glycerol bottle.
4. Remove the anti-tip protection from the wall.
5. Move the refrigerator to the desired location. If the cabinet is to be transported in a vehicle the cabinet should be packaged.
6. If there are adjustable feet these should be mounted.
7. Secure the cabinet with the anti-tip protection.
8. Insert the shelves in the desired positions.
9. Install the defrost water container and glycerol bottle.
10. Plug the power cable into the wall socket.

If it is necessary (despite the recommendation to keep it upright) to transport the cabinet horizontally, take the following precautions.

1. Horizontal transport must only be undertaken internally and then only for short distances!
2. Remove the medication and shelves from the refrigerator.
3. Remove the defrost water container and glycerol bottle.
4. The refrigerator must be transported on its left-hand side.
5. The cabinet must stand upright for at least two hours before it is switched on.
6. If the cabinet has been exposed to low temperatures during transport it must stand upright for at least 6 hours before it is switched on.

## Warranty conditions

If a fault is detected the end customer must, without delay, contact Oscar Medtec AB or the retailer/installation engineer to raise the issue and describe the problem. If the product was purchased from a retailer/installation engineer they in turn must contact Oscar Medtec AB to describe the problem.

A claim must be made to Oscar Medtec AB immediately. In addition the following product warranty information must be provided:

- Serial number
- Type of product and part number
- Date of purchase and invoice number

The warranty does not cover faults caused by:

- Transport
- Negligence on the part of the user or overloading
- Failure to comply with the operating instructions on the part of the purchaser/user
- Voltage fluctuations (maximum permitted  $\pm 10\%$ )
- Lightning
- Repairs or changes to the design undertaken by a party other than a service company approved by the manufacturer

Nor does the warranty cover:

- Insignificant faults such as the repair of scratches that have no effect on the operation of the refrigerator.

In connection with a claim the customer will be debited for inspections carried out by the retailer or a representative of Oscar Medtec AB if no faults covered by the warranty are found.

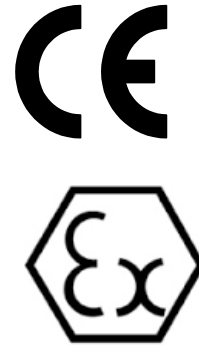
## Contact

Oscar Medtec AB, Arntorpsgatan 24, 442 45 Kungälv  
Telephone: +46 (0)303-170 50, Fax: +46 (0)303-13050, E-mail: [info@oscardmedtec.se](mailto:info@oscardmedtec.se)

# Technical information

Product	VXT15	VXT15G	VXT20	VXT20G	VXT25	VXT25G	VXT30	VXT30G	VXT35	VXT35G	VXT 45	VXT45D	VXT45G	VXT325	VXT325G	VXT400	VXT400G
Volume, litres	45	45	70	70	100	100	140	140	180	180	320	320	320	325	325	400	400
Temperature range	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C	2°-8 °C ± 0.6 °C
Temperature accuracy	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
XT control unit with an LED display, logging the maximum and minimum temperature, alarm if there is a deviation from the temperature range.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Country of manufacture	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Height, mm	700	700	700	700	850	850	1150	1150	1330	1330	2100	2100	2100	1800	1800	2100	2100
Width, mm	450	450	551	551	551	551	595	595	595	595	595	595	595	595	595	595	595
Depth, mm	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Weight, kg	35	43	39	47	43	51	54	66	60	72	84	84	104	90	104	99	119
Compressor	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Insulation	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS
Automatic defrosting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hinged	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left	Right/left
Material - exterior/interior	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel	White sheet metal/stainless steel
Cabinet shelves, wire and Plexiglas	1	1	1	1	2	2	3	3	4	4	6	6	6	5	5	7	7
Lock	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Noise level, db	32	32	34	34	34	34	34	34	34	34	36	36	36	36	36	36	36
Electricity consumption kWh/24 hours	0.69	0.87	0.69	0.87	0.74	0.92	0.82	1	0.86	1.04	0.92	0.92	1.1	1.65	1.17	1.17	1.35
Volt, V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Rated current	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	0.94 A	1.35A	1.35A	1.35A	1.35A	1.35A	1.35A	1.35A
Service class	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Maintains a temperature of 5°-10° C	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min	> 30 min
Compressor time, %	35	35	35	35	38	38	40	40	38	40	45	45	45	45	45	50	50
CE marked according to the Low Voltage Directive 2006/95/EC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S marked and tested by Intertek Semko according to EN 60335-2-89 and EN ISO 23953-2:2005	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RoHS Directive	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
EX classified	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DIN 58345	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
• standard / ◊ option / - not available																	

## EC declaration of conformity



This declaration of conformity is in accordance with:  
LVD (The Low Voltage Directive) 2006/95/EC  
The ATEX Directive 2014/34/EU  
The RoHS Directive 2011/65/EU

**Hereby declares that:**

Oscar Vaccine & Medication Cabinet VXT. Pharmacy Cabinet VXT

.....  
Model number

Oscar Medtec AB

.....  
*Manufacturer*

**The product:**

1. Meets the essential health and safety requirements relating to the design and construction of machinery and safety components set out in the abovementioned directives on condition that they are installed in accordance with the instructions provided. If changes are made to the product this declaration is invalid.
2. Is designed and manufactured in accordance with the following standards.

EN 13463-1 (2009)	Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements
EN13463-5 (2011)	Non-electrical equipment intended for use in potentially explosive atmospheres - Part 5: Protection by constructional safety 'c'
EN60335-2-89	Household and similar electrical appliances Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor.
SS-EN ISO 23953-2:2005	Refrigerated display cabinets Part 2: Classification, requirements and test conditions (ISO 23953-2:2005)/Amd 1:2012)
EN 60335-1:2012+A11	Household and similar electrical appliances - Safety - Part 1: General requirements

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Responsible for manufacture

Kungälv 20/06/2016

Place & Date .....

Signature ..... 

CEO Oscar Medtec AB

Position .....