

# End User Training

Refrigerator CF850

# IMPORTANT NOTES

- **PLEASE NOTE :**

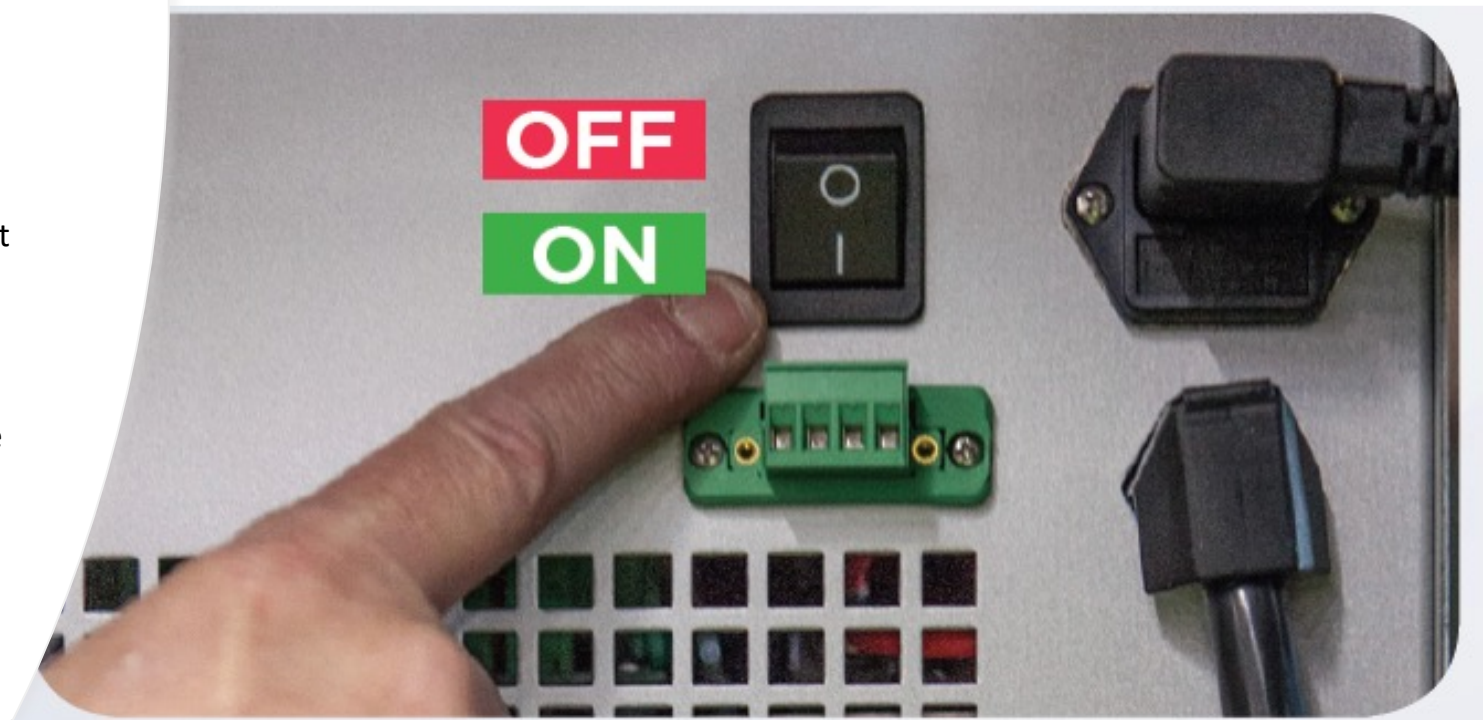
- It may happen that the refrigerator's batteries enter in deep discharge.

- This may happen :

At the time of the first usage of the refrigerator, if the importation process was long.

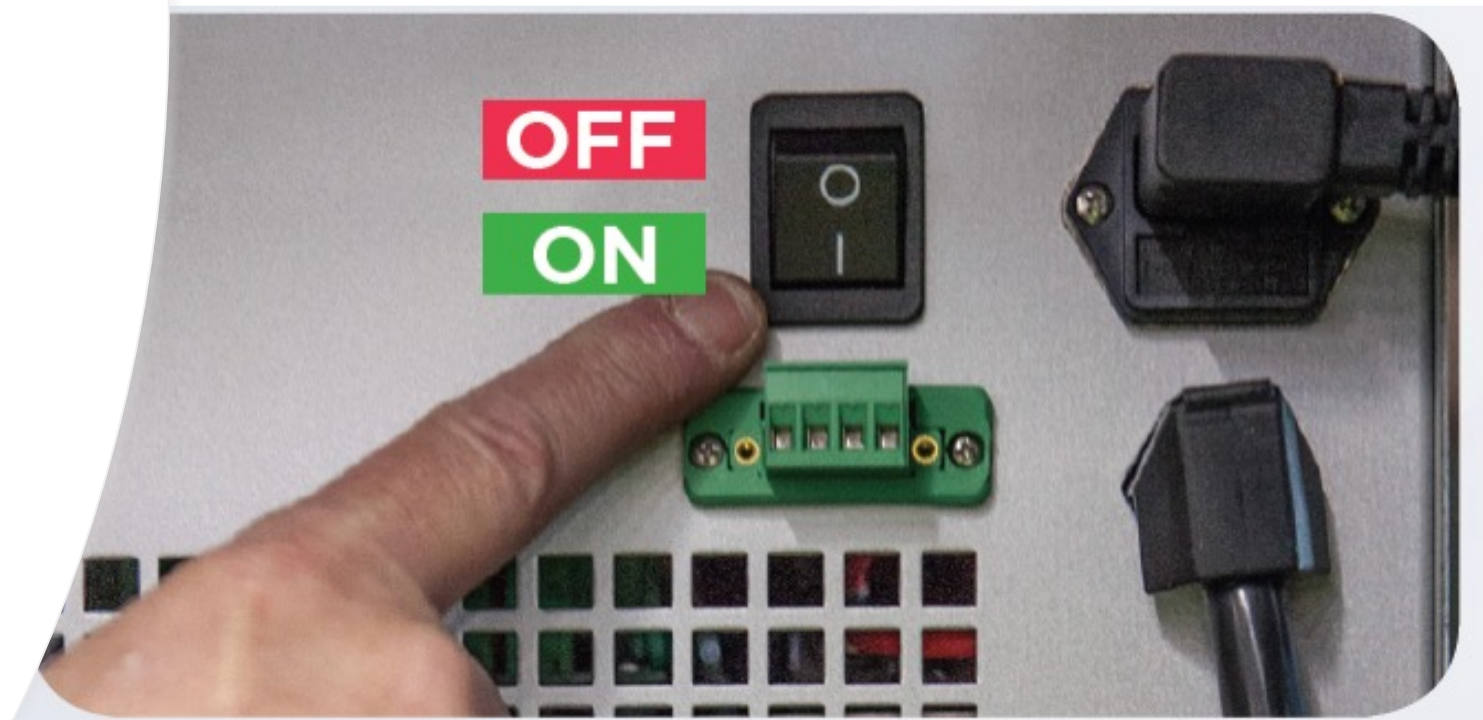
If the refrigerator was left tuned ON for a long period, without powering it with the vehicle's engine or with 220V electrical current

- In this event you need to **turn ON the refrigerator and let it to charge with 220V electrical current for 24 hours**. If the discharge persist, contact B Medical Systems, since the batteries may need to be replaced.



## CHARGING THE REFRIGERATOR (24 h before delivery)

- 24 hours before the delivery plug the refrigerator to 220 V current
- With the door tightly closed, turn on the refrigerator and let it charge for 12 h
- Monitor the 220V current and, if possible, use a current stabilizer.
- After 12 hours, turn OFF the refrigerator and unplug the 220 V cable and store it inside the vehicle.





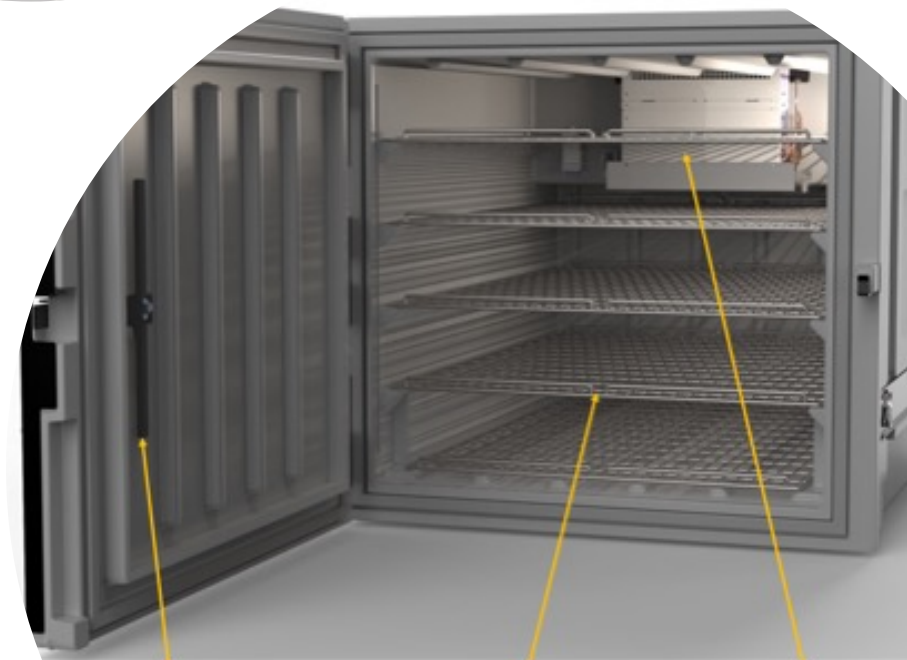
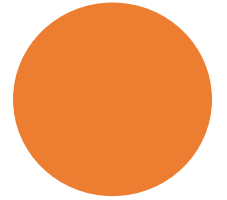
# THE DELIVERY DAY

- **DO NOT TURN THE VEHICLE'S ENGINE ON**
- **DO NOT PLUG THE REFRIGERATOR TO 220V CURRENT**
- With the door tightly closed, turn on the refrigerator and wait for it to reach 5°C
- Soon after, the internal temperature is displayed, the **cooling systems** and **internal fans start**.
- THE REFRIGERATOR IS RUNNING ON BATTERY MODE, about 2 hours until the refrigerator's temperature reaches 5°C, depending on ambient temperature)
- **NOTE: 24 HOURS BEFORE A ROUND OF DELIVERIES, MAKE SURE TO CONNECT THE REFRIGERATOR TO AC CURRENT 220V FOR 12 HOURS**



# LOADING VACCINES

- Never store them by touching the side surfaces in the cabinet of the device.
- Do not load vaccines higher than the maximum dose indicated.
- It is advisable to keep the vaccines on the provided metal shelves.
- Keep packages containing vaccines in tidy rows.
- Different vaccines should be kept separately for easy identification. **PER HEALTH UNIT OR PER VACCINE TYPE**
- The airflow to the fan should never be hindered. Ventilation slots should therefore never be blocked or covered.
- **NEVER STORE FROZEN ICEPACKS IN THE REFRIGERATOR**
- **Be sure you received all the needs from all health facilities so that you can pre pack the vaccines per health facility**

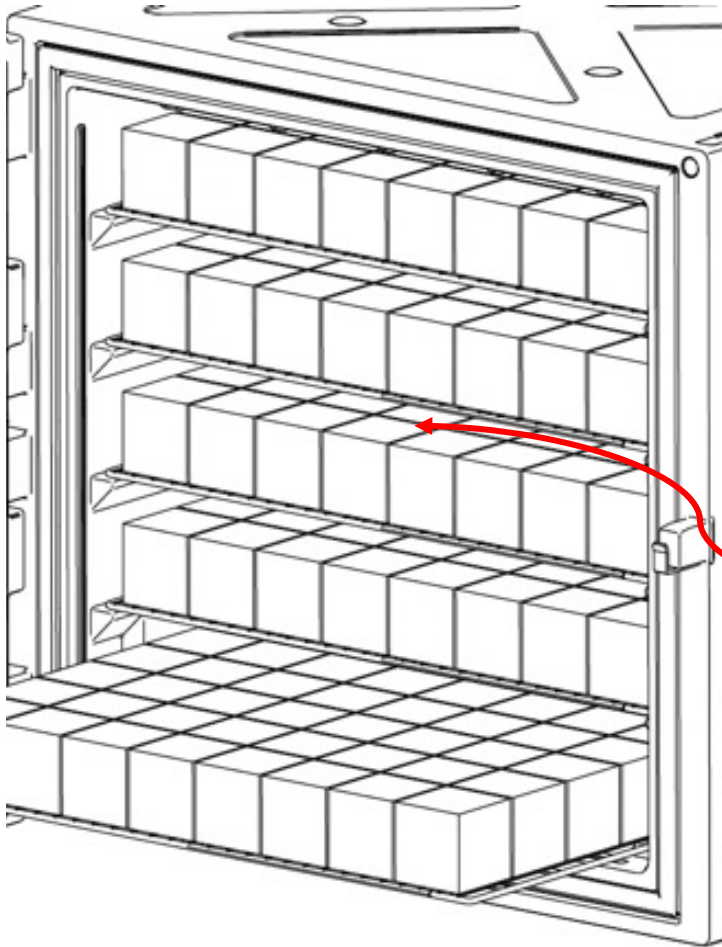


Emergency door opening from inside

5 stainless steel shelves

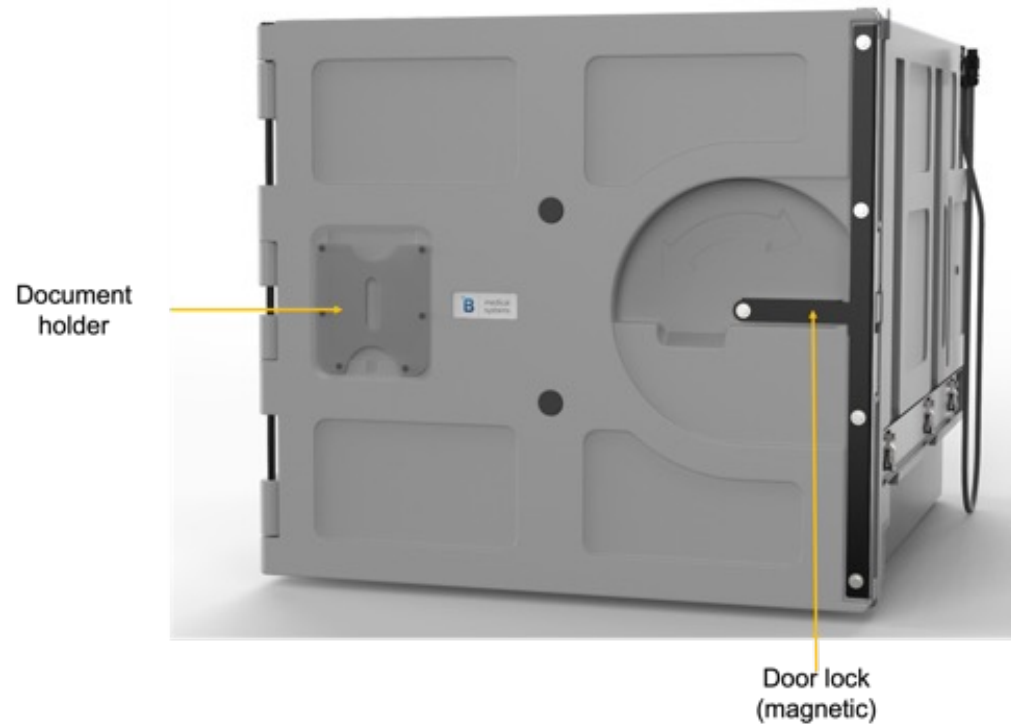
Cooling unit

# REMOTE TEMPERATURE MONITORING DEVICES



- Keep about 2 cm of space between the rows for air circulation.
- When the refrigerator is not totally full, use a wire, tape, or card box to keep the packages to move freely in the shelves.
- If you repack vials, make sure that that you guarantee no free spaces between vials, avoiding it to move and break by hitting each other.
- Turn on the Parsyl Trek device and place it in a central place in the refrigerator, for example, in the middle of the 3rd shelf.

# REMOTE TEMPERATURE MONITORING DEVICES



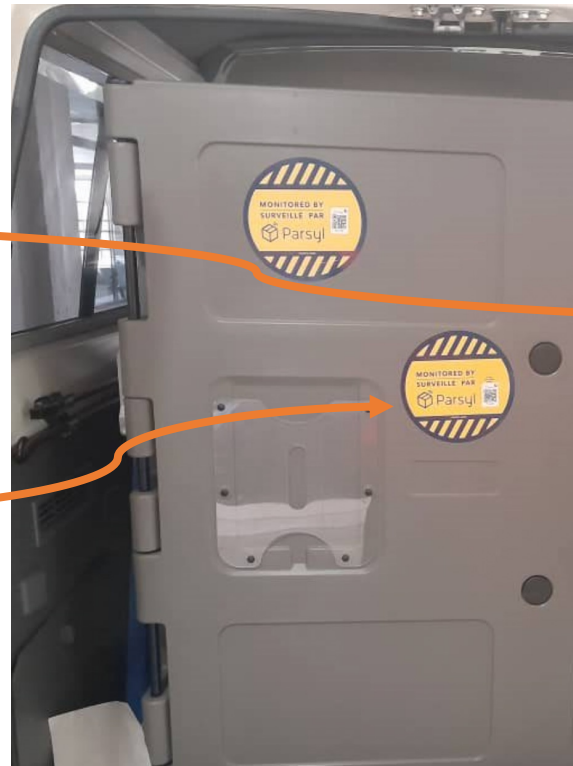
After loading the vaccines, close and lock the lid properly.

- Turn on a second Parsyl Trek device and place it on the door, in the document holder.



# REMOTE TEMPERATURE MONITORING DEVICES

- Check that the Parsyl device is ON (slide the switch to the right)
- BEFORE LEAVING AND AT EACH ARRIVAL AND DOOR OPENING:
- On your smartphone turn the Bluetooth function ON, scan the QR code from the stickers place at the refrigerator's door (all the stickers) and transfer data





# BEFORE LEAVING FOR DISTRIBUTION



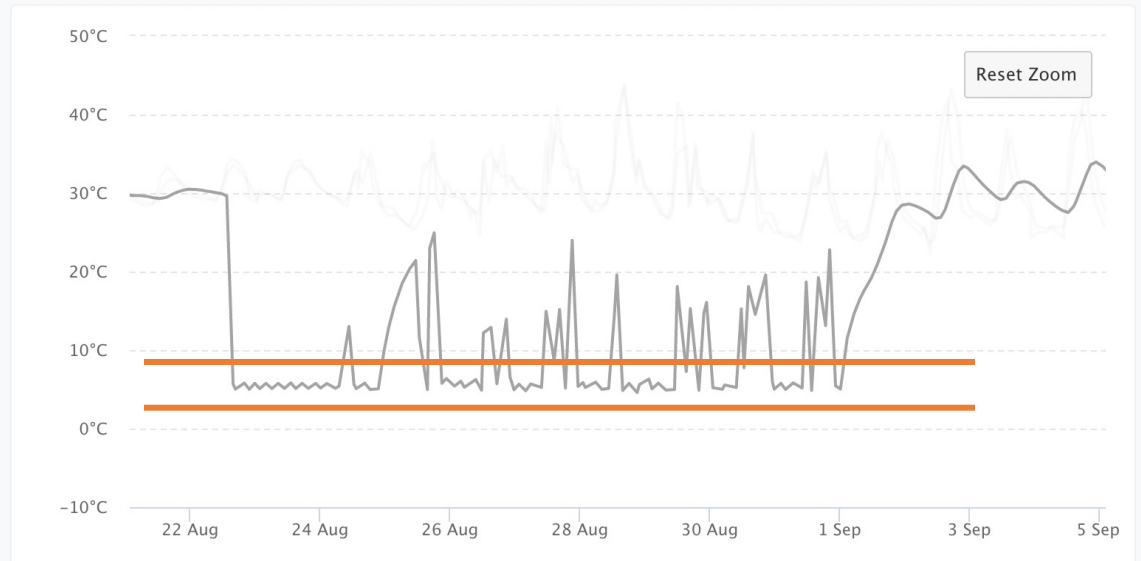
- After loading the vaccines and closing the refrigerator's door:
  - If the temperature is within the correct range you can leave for distribution
  - Check the refrigerator's temperature at the display and with the Parsyl App on your Smartphone
  - If the temperature is not within the range, inform the Cold Chain Responsible person to discuss further action



Step 4

# DOOR OPENING

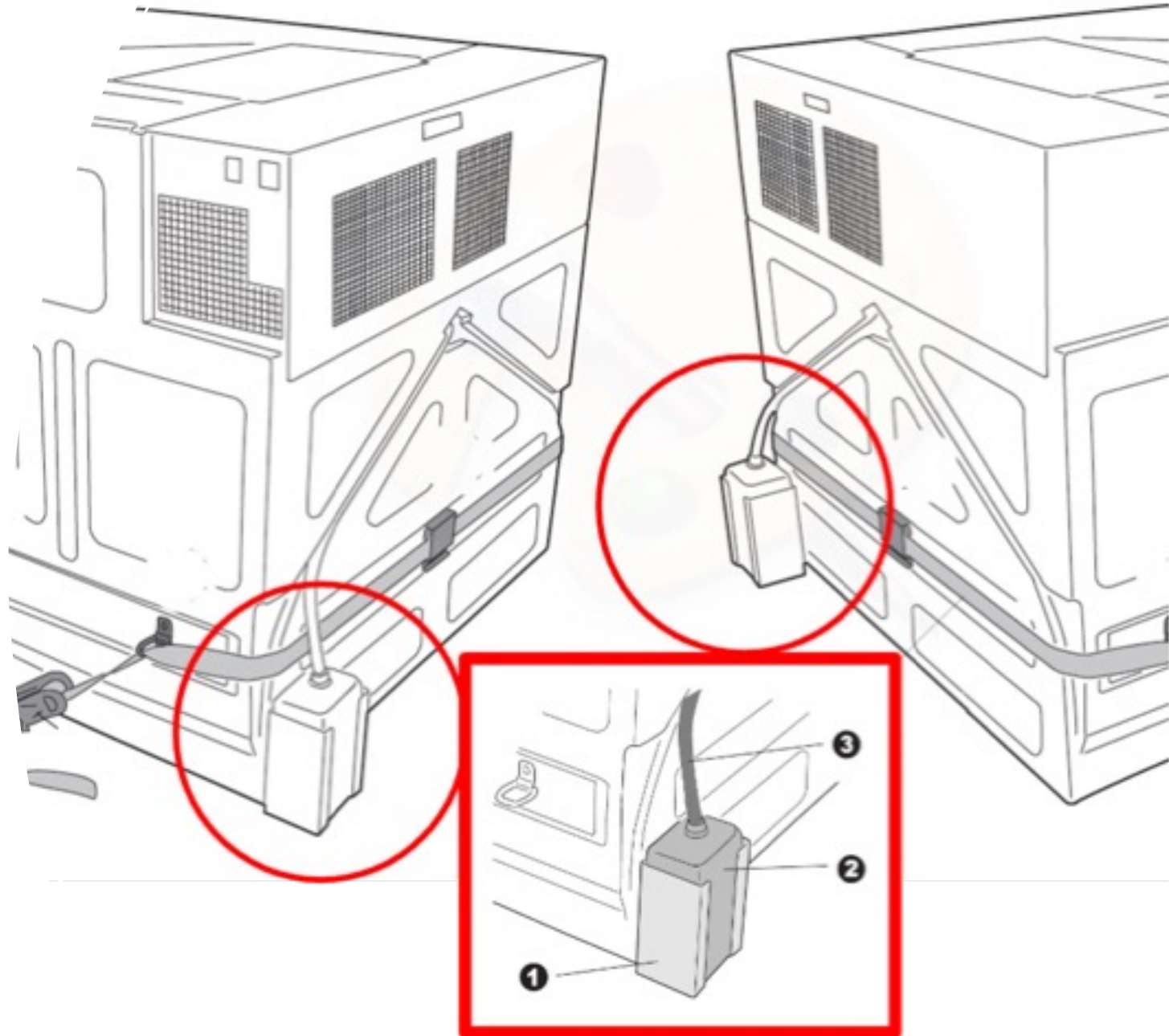
- REDUCE THE OPENING OF THE DOOR TO A MINIMUM
- Pack vaccines per health facility
- At the delivery point avoid opening the refrigerator's door multiple times.



# DAILY MAINTENANCE

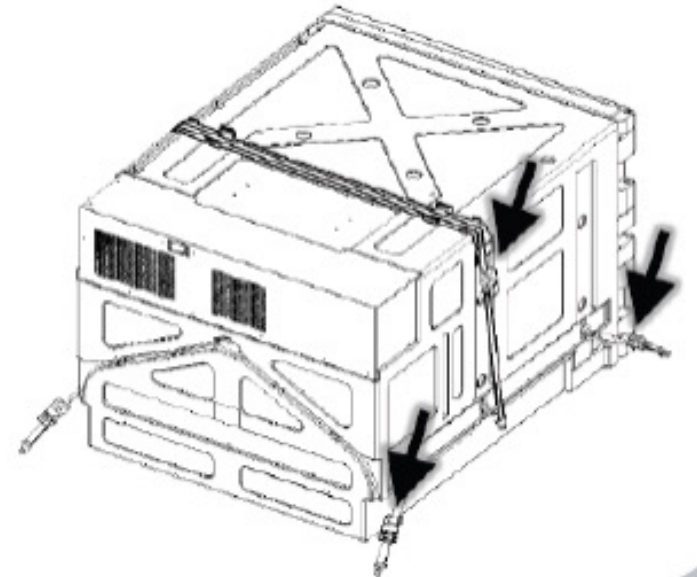
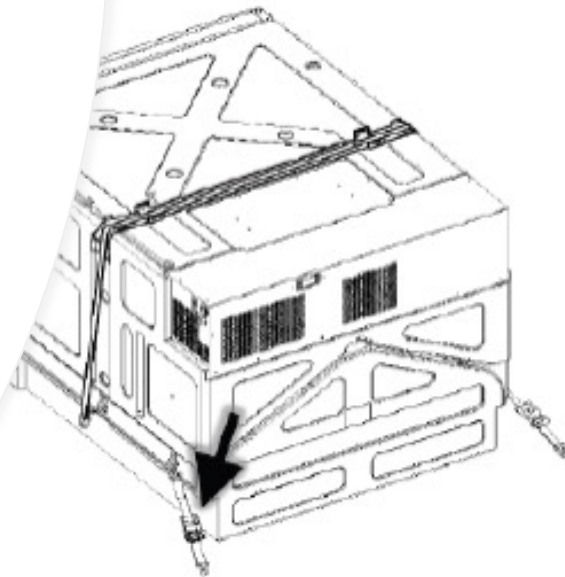
---

- Evacuate the condensation water as described:
- Remove the drainage tube from the vessel
- Slide the vessel out of the bracket the bracket.
- Empty the water and wash the vessel
- Slide the vessel into the bracket the bracket.
- Insert the drainage tube into the vessel



# DAILY MAINTENANCE

- Verify the lashing belts are Tightly fastened.
- All lashing belts and belt guides should be fixed in the correct position.





# WEEKLY MAINTENANCE

---

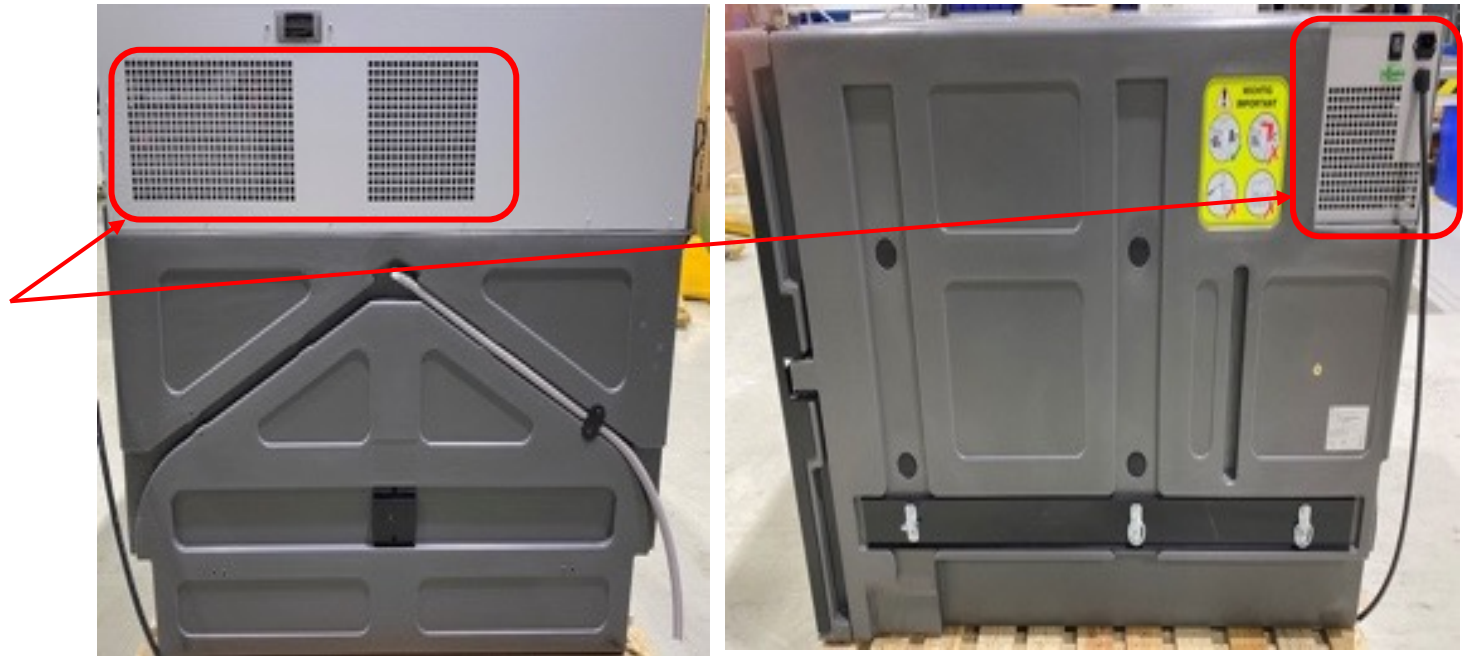


- If an increasing amount of condensation water is observed:
- Examine the gaskets on the lid, if they sit properly. Any gap between the cabinet and gaskets will allow outside air to go in and form frost early. In such cases the hinges should be adjusted, or the gaskets should be changed.

# MONTHLY MAINTENANCE

---

- Switch off the Unit and disconnect it from the power supply
- Clean the unit from any dust
- Clean the ventilation grids with a brush or a vacuum cleaner as described above.
- Clean the lid seal.



# YEARLY MAINTENANCE

- The batteries of the unit should be checked yearly by a **B Medical Systems qualified and authorized technician** and replaced if necessary.

