



USER MANUAL

Some functions be different depending on the models or configurations. Please refer to the actual machine when operating. Machine functions and operating instructions may be updated and modified without further notice.

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ORIGINAL



Waste Electrical and Electronic Equipment (WEEE)

This symbol on the product or its packaging indicates that this product must not be disposed of with household waste. Instead it is your responsibility to take the product to a designated collection point for the recycling of electrical and electronic equipment. Proper disposal and recycling helps prevent negative consequences for the environment and human health. For more detailed information about recycling of this product, please contact your local authority, your household waste disposal service, or the retailer from whom you purchased the product.



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CONTENT

CONTENT.....	2
VENDING MACHINE MAIN FEATURES	3
VENDING MACHINE APPEARANCE	4
VENDING MACHINE MAIN PARTS	5
INSTALLATION GUIDE- FIRST STEPS.....	6
VENDING MACHINE SAFETY PRECAUTIONS.....	7
VENDING MACHINE COMPONENTS FUNCTIONS INTRODUCTION	8
SHOPPER SCREEN	8
Selection & Puchase Interface.....	8
MERCHANDISER MENU.....	9
A, General	10
B, Item & Slot.....	11
C, Temperature setting.....	12
D, Sale & Payment	13
E, Sys. Setting (system settings)	15
SERVICE MENU	16
TROUBLESHOOTING.....	18
TECHNICAL SERVICE SCHEDULE- MAINTENANCE AND CLEANING	20
REFRIGERATION SYSTEM CLEANING	21
DD-TYPE REFRIGERATOR CLEANING	21
APPROACH COOLER.....	22
MERGE and UNMERGE CARGO LANE OPERATION	23
ADJUSTMENT OF LAYER HEIGHT AND MOTOR WIDTH	24
EXPLOSIVE SCHEME	25
EU DECLARATION OF CONFORMITY (DOC).....	28
ENERGY LABELS (EPREL).....	29
CONTACT US.....	30

VENDING MACHINE MAIN FEATURES

Full body steel structure, strong and durable;

The cargo lane is variable in size and suitable for selling goods of different sizes; optional temperature control system for heating and refrigerating goods;

It can receive cashless and coins (not included), and prefill coins (optional with the function of prefill cashes to change);

MDB compatible;

Photoelectric drop detection;

Support constant temperature mode, the user only needs to set the target temperature, the machine can choose the temperature control mode independently; 2-25 Celsius can cool or heat.

Support the shopping cart function, can purchase multiple products at a time (purchase up to 5 items at a time);

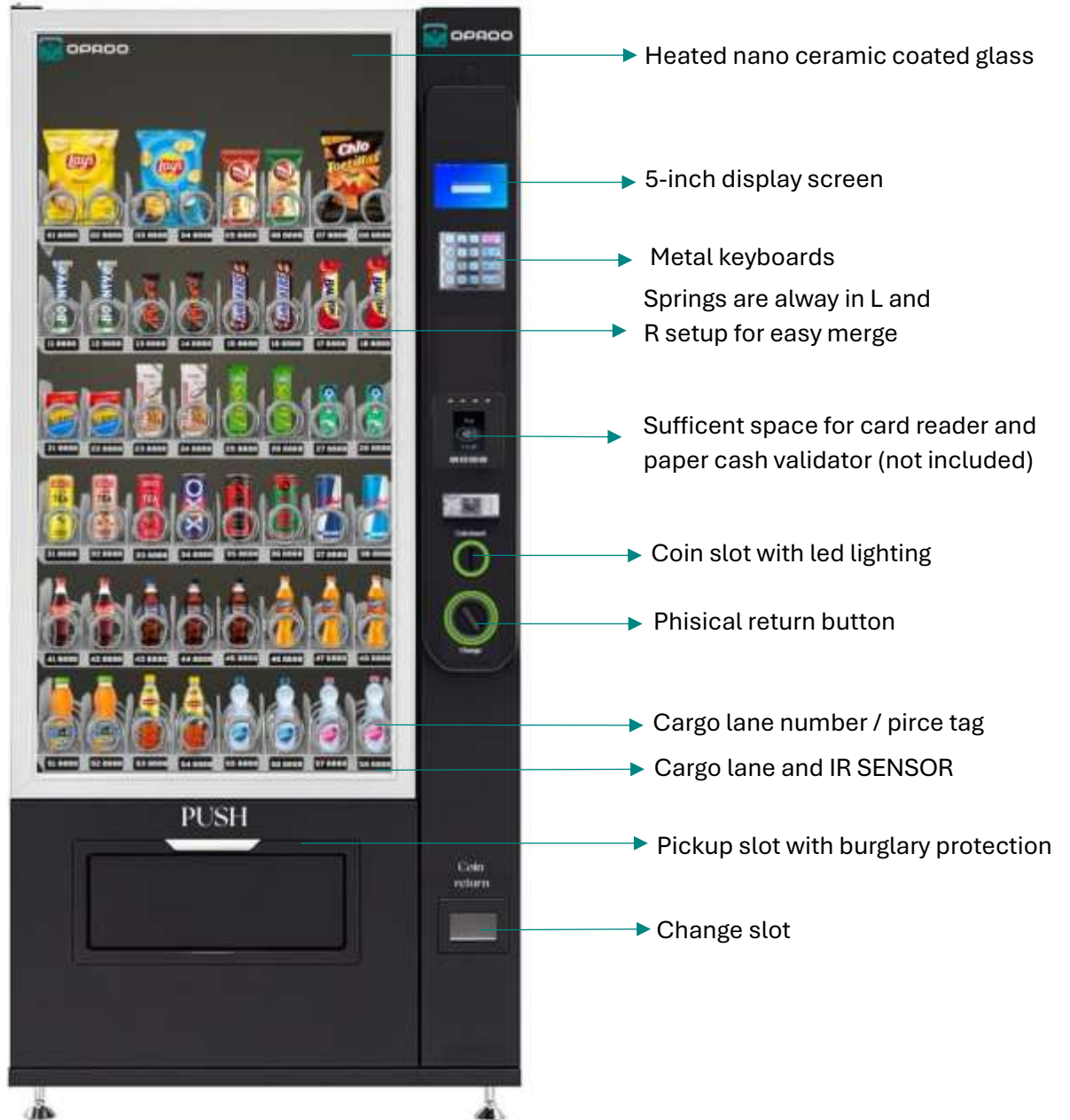
The overall foaming process of the machine has better insulation effect, more energy saving and greater structural strength of the machine;

Has CE certificate;

Compact cooler with R-1234YF gas;

User screen language can be set;

VENDING MACHINE APPEARANCE



The picture is for reference only. If the picture does not match the actual machine, please refer to the actual machine!

VENDING MACHINE MAIN PARTS

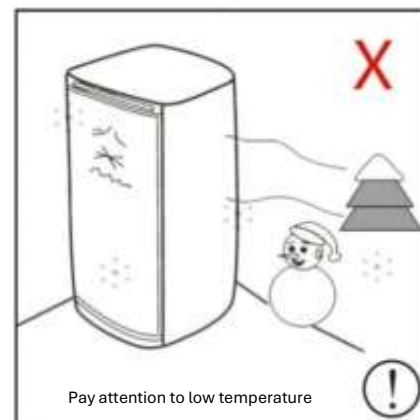
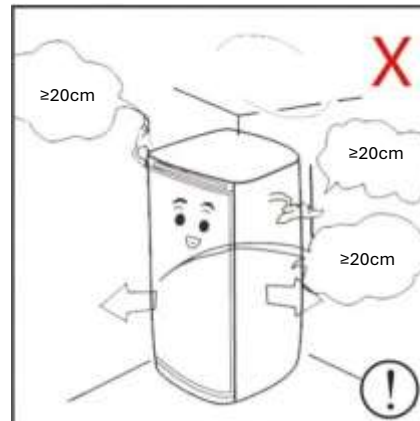
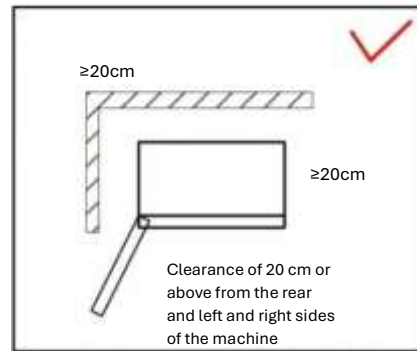
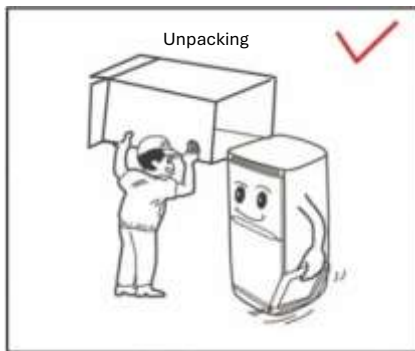
Refrigeration machine internal display



The picture is for reference only made form an OPROO SN 10 machine, if the picture does not match the actual machine, please refer to the actual machine.

INSTALLATION GUIDE- FIRST STEPS







1. After receiving the machine, check whether the packing is in good condition first. If there is any damage, please consult with the logistics and call our company directly.
2. Please remove all packaging components such as wood board, protective film, foam and cable tie before use.
3. Place the machine in your business position, it must be dry, well ventilated, keep away from heat, keep away from rain, avoid low temperature, avoid water splash, solid and stable ground, 20cm above the wall.
4. After the machine is placed, let the machine stand for more than 30 minutes, then turn on the power to ensure the normal operation of the machine. To turn on the cooling, the machine should be allowed to stand for 4-5 hours to open, otherwise it will affect the compressor.



ALARM

The power supply of vending machine must be grounded! Ungrounded machine can not be used! Otherwise, there are serious security risks!

VENDING MACHINE SAFETY PRECAUTIONS

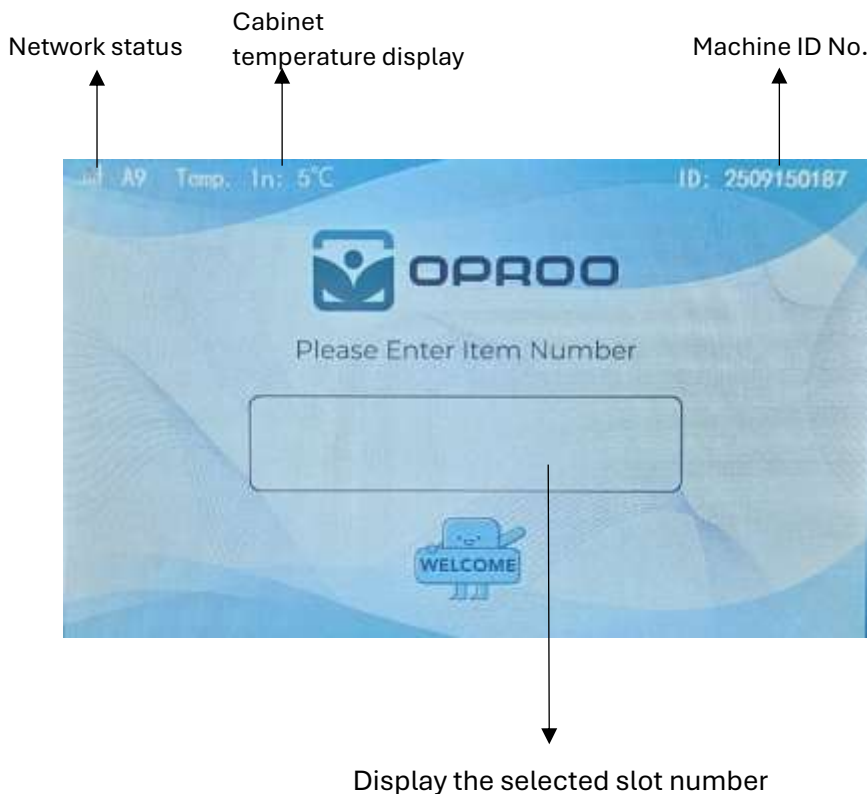
<p>1. Use minimum AC 220V/50Hz/10A power supply. If the voltage fluctuation range exceeds 200~240V, which may cause machine failure.</p> 	<p>2. A reliable three-hole socket with grounding must be used, otherwise there is danger of electric shock. After the machine is installed in place, the plug should be easily accessible.</p> 
<p>3. Do not damage the power cord.</p> <p>a. Be sure to hold the plug tightly (do not pull the power cord directly), pull out directly from the socket.</p> <p>b. Do not let the machine press on the power cord, or manually step on the power cord.</p> <p>c. When moving the machine away from the wall, be careful not to crush or damage the power cord.</p> <p>d. When the power cord is damaged or the plug is worn out, in order to avoid danger, do not continue to use the machine. It must be replaced by a professional by the manufacturer, the maintenance department or the like.</p> 	<p>4. When cleaning, repairing or replacing the machine parts, please unplug the power cord to prevent electric shock.</p> 
<p>5. It is strictly forbidden to dismantle and modify the machine privately. The maintenance machine must be carried out by professionals.</p> 	<p>6. Push the door of the pickup slot with one hand, and put another hand into the pick-up box to pick up the goods. The pick-up door is heavy. Be careful not to clamp the hands. When the children need to use it, the help of adults are necessary.</p> 

VENDING MACHINE COMPONENTS FUNCTIONS INTRODUCTION

- Cargo lane: the tray is separated by a partition, and the passage for the goods is a spring
- Main board: a core component that controls the operation of the vending machine;
- Cash slot: used for putting in cashes when the consumers want to purchase goods, and prefill cashes, the cash must be paved and sent in a single tile, otherwise it is not recognized;
- Coin slot: used for putting in cashes when the consumers want to purchase goods, and prefill coins, and must be put one by one when the coins are put in;
- Coin validator (not included): used for receiving, recognizing, storing, and matching cashes with optional prefill change function;
- Refrigeration and heating system: refrigerating or heating goods;
- 5- inch display screen: used to display information to users and also for operators;
- Metal keyboard: used for product selection and menu operation input;
- Machine lock: used to lock the machine door and container to prevent the loss of goods;
- Coin return button: After the coin has been inserted or the coin is jammed, the button can be used to return the coin to be inserted;
- Change slot: the exit window where the user takes the change or the coin that the coin validator does not recognize;
- Pickup slot: the area where the user takes the purchased item;
- Power cord: used to connect an external power supply, you must use a reliable grounding socket;
- POS Device: used for credit card acceptance (optional)
- Cargo lane number / price tag: used to identify the cargo lane number, price information, making it easy to buy.

SHOPPER SCREEN

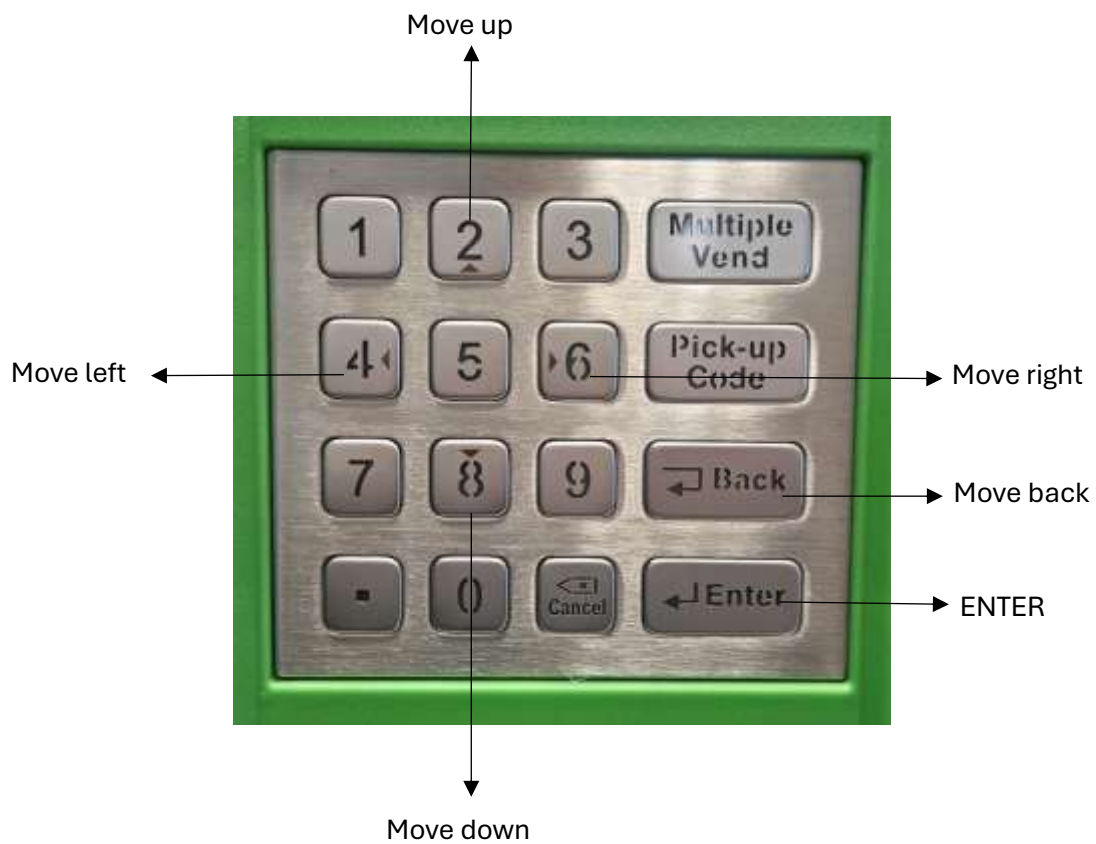
Selection & Puchase Interface



MERCHANDISER MENU

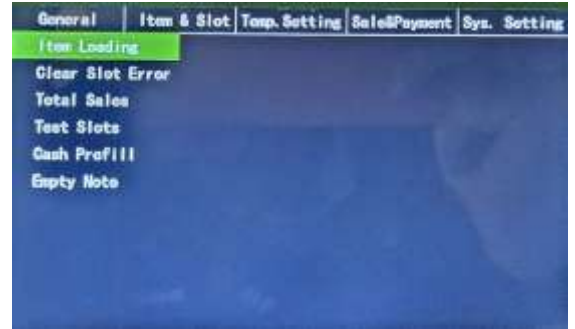
1. Open the machine door
2. provide passworld (default 00000000)
3. You can find 5 main menu:
 - a. General
 - b. Item&slot
 - c. Temp. Settings
 - d. Salecpayment
 - e. system settings.

You can navigate in the menu with the keyboard as follows:



(there is a time control in the menu, so the machine can exit after certain idle time)

A, General



1. Item Loading

Fill all the cargo lanes according to the products set in the background. Press the "Enter" button.

The existing quantity of all cargo lanes is refreshed to the cargo lane capacity. Pressing the "Back" button does not refresh the existing quantity.

2. Clear Slot Error

When the cargo lane failure is cleared, the faulty cargo lane spring will rotate one full turn back to the initial position (reset)

3. Total Sales:

Press the "Total Sales" button to instantly see the data accordingly.

4. Test Slots

Input the starting cargo lane number and ending cargo lane number, and set the number of cycle tests (turn off the optical inspection before testing the cargo lane or block the optical inspection by hand when the cargo lane rotates, otherwise the spring can not be reset)

5. Cash Prefill

Check whether the change amount of the input is consistent with the current prefill amount displayed. Confirm that there is no mistake and press the "Enter" button.

6. Empty Note

Press "ENTER" To Empty Bill Recycle Emptying

B, Item & Slot

1. Clear Slot Error

Press the “Clear Slot Error” button

With „Back” button the slot error log is visible

By pressing the „ENTER” the error log is deleted



2. Test Slots

Input the starting cargo lane number and ending cargo lane number, and set the number of cycle tests (turn off the optical inspection before testing the cargo lane or block the optical inspection by hand when the cargo lane rotates, otherwise the spring can not be reset)

3. Set Price

Press the digital keyboard to input the initial cargo lane number and ending cargo lane number to be set, and set the selected cargo lane number price. Press “Enter” to save the setting.

4. Set Stock

Press the digital keyboard to input the initial cargo lane number and ending cargo lane number to be set, and set the existing number of the selected cargo lane number. Press “Enter” to save the setting (the existing number must be consistent with the actual number of goods in the cargo lane)

5. Set Capacity

Press the digital keyboard to input the initial cargo lane number and ending cargo lane number to be set, and the maximum capacity of the selected cargo lane. Press „ENTER” to save the setting. 199 means infinite

6. Set Drop Sensor ON/OFF

Dropsensor can be deactivated for the whole machine or for the selected parts. Press „ENTER” to save the setting setting. You can also perform a self test.

7. Set Split/Merge

Merge Slot: Enter the cargo lane number and the associated cargo lane number into one cargo lane. Press the “Enter” button to save the settings.

Split Slot: Enter the cargo lane number and associated cargo lane number to split into 2 cargo lanes, press the "Enter" button to save the settings.

C, Temperature setting



1. Set Temp mode:

You can select from 4 modes: Cool, heat, auto and disable, press the "Enter" button to save the settings.

2. Set target Temperature:

Press number keys in the the keyboard to enter the target temperature and press the "Enter" button to save the settings.

3. Glass heating

Glass heating can be activated or deactivated.

4. Defrost Interval:

Set the defrosting time and downtime defrosting cycle (defrosting time interval), press the "Enter" button to save the settings.

5. Glass heat ON/OFF:

Press ▲ 2 / ▼ 8 in the keyboard to select Disable or Enable, select whether the glass heating is on, press the "Enter" button to save the settings.

6. LED Light ON/OFF:

Press ▲ 2 / ▼ 8 in the keyboard to select Disable or Enable, select whether the lighting strip is on, press the "Enter" button to save the settings.

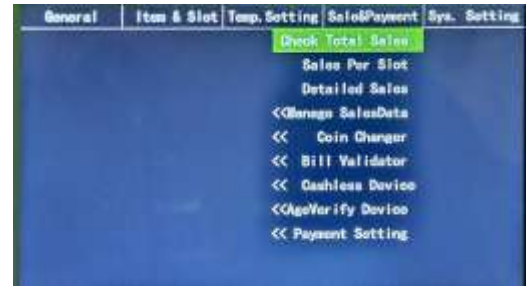
7. Power management

Vending machine power, compressor power can be adjusted by time accordingly.

D, Sale & Payment

1. Check Total Sales

Press the “Check Total Sales” button to instantly see the data.



2. Sales per slot

Sales data per slot can be viewed.

3. Detailed Sales

Press the “Detailed Sales” button to instantly see the detailed sales data.

4. Manage sales data

You can delete sales data or set a password to access sales data

5. Coin Changer

Set Coin Change ON/OFF:

Press ▲2/▼8 to select to disable or enable coin change. If the machine needs coin change, the coin change switch must be turned on. Press ”ENTER” to save the settings.

Enable Coin Denominations:

After the coin type is enabled, 14 digits (02-15) must be turned on (blue in the selection box is on , blank is off), press the Enter button to turn it on or off the Enables, press the 4/6 button to shift left and right. If the 00 bit enable is on, it means receiving 0.5 euro coins, 01 bit enable is on, it meansreceiving 1 euro coins, press the Back button to the previous interface after setting is completed.

6. Bill Validator

Set Bill Escrow ON/OFF

Press ▲2/▼8 to disable or enable Bill Escrow. If the machine needs bill change, the bill change switch must be turned on. Press “Enter” to save the setting.

Enable Bill Denominations

After the bill type is enabled, 10 digits (06- 15) must be turned on (blue in the selection box is on, blank is off), press the Enter button to turn it on or off the Enables, and press the 4/6 button to shift left and right, from 00-05, they’ re 1 euro, 5 euro, 10 euro, according to the specific needs of users to open the corresponding enable, press the Back button to automatically save and return to the previous interface after the setting is completed.

7. Cashless Device

Set IC Card Reader

Select "ICCard ON/OFF" and press **Enter**. In the IC Card Reader menu, you can choose Disable, Offline, or Online mode.

Set POS Device ON/OFF

Press ▲2 / ▼8 in the keyboard to select to disable or enable the POS Device, press the "Enter" button to save the settings.

8. Age verify device:

In case of an age verification device is used, in this menu it can be disabled or enabled for the whole machine or by slot.

9. Payment setting

„Accept limit“:

Set the maximum receiving amount, too low will cause the machine not to accept large denomination notes. If the machine is set 20, the 50 and 100 denomination notes will not be accepted.

„Set Auto Change Dispensing“:

Press ▲2 / ▼8 in the keyboard to select to disable or enable the Auto Change switch, press the "Enter" button to save the settings.

„Set Coin Exchange Without Sale“

Press ▲2 / ▼8 in the keyboard to select to disable or enable the Coin Exchange Without Sale switch, press the "Enter" button to save the settings.

„Set Low Change“

When the low value of no change is set to 0, even if the machine has no change, the machine purchase interface will not prompt "insufficient change". When the machine prompts that the change is insufficient, the purchase of goods needs to be invested in coins equal to the price of goods. Otherwise, it may not give the change after the purchase of goods.

„Clear Balance“: Set Upon Timeout When the balance of the machine is not found, and there is not enough for change, if no operation is performed within the set timeout period, the system will clear the balance and not give you the change. The cleared balance will be counted in the "Auto Clear Balance Upon Timeout". The machine does not clear the balance when the time is set to 0 or 9.

E, Sys. Setting (system settings)



1. Multiple Vend

Set Multiple Vend ON/OFF:

Press ▲2/▼8 in the keyboard to select to disable or enable the shopping cart, press the "Enter" button to save the settings.

Set Multiple Vend Qty Limit

The shopping cart switch must be enabled before setting the number of shopping carts. The maximum number of shopping carts can be set to 5. After the setting is completed, press the "Enter" button to save the settings.

2. Pick-up Code Vend

Set Pick-up Code ON/OFF

Press ▲2/▼8 in the key board to select to disable or enable the pick-up code switch, press the "Enter" button to save the settings.

3. Network Diagnose

Press the "Network Diagnose" button to instantly see the data.

4. Set Voice Tips

Set Audio Guidance ON/OFF

Press ▲2/▼8 in the keyboard to select to disable or enable the Voice Tip switch, press the "Enter" button to save the settings.

5. Set admin password

Press the keyboard to input the original password, then input the new password and retype the new password, press the "Enter" button to save the settings.

6. About the machine

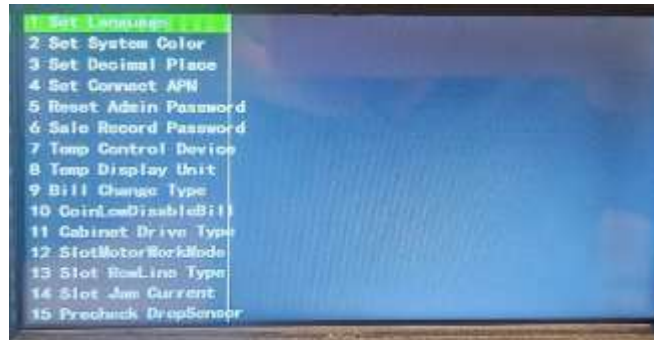
The local number (local ID number), hardware version information and software version information can be queried.

Factory reset: In this menü type the machine ID. After that confirm your selection by the code „000000” The machine is going to restart and all data is lost.

SERVICE MENU

To enter the service menu, the default code is **80515**

Please type 80515 and press enter.



IN the service menu there are 43 options:

1. set language: english or chinese language for service menu ncan be selected
2. set system color: Default is „BRIGHT”, otherwise the messages has different color and position on the screen
3. set decimal plate: no. of Decimal plates can be selected
4. set connect apn: For remote connection the APN of the given simcard provider can be set
5. reset admin pass: admin pass can be reseted. Verify code is: „...”
6. sale record pass: Sale record pass can be reseted, Verify code is: „...”
7. temp control device: If the machine is equipped with a separate temp control device (visible next to main switch) than select „Temp controller”, if not than „On Board”
8. temp display unit: select Celisu or Farenheit
9. bill change type, if you want the bill validator to work with change function or without: You can select by
 - a. Amout,
 - b. note CNT
 - c. Note OnebyOne
10. Low coin level can disable bill validator: If coin value is low you can disable bill validator
11. cabinet drive type:
 - a. Driver Board
 - b. Main BOard: All Oproo SN series is in this category
 - c. Lift Board:
12. Slot Motor Work mode:
 - a. locker
 - b. spring: All Oproo SN series is in this category
 - c. Bolt
13. Slot Row Line Type
 - a. 10Slot/layer: select this if you use SN06, SN08 or SN10 machine
 - b. 12Slot/layer: select this if you have SN12 machine
14. Slot Jam Current
15. Precheck Drop sensor, if drop sensor is mailfuntions machine stops selling:
 - a. ENable
 - b. Disable
16. Dropsensor Auto mode
 - a. Enable
 - b. Disable
17. Set location Time: if machine is online you can select the server time, otherwise please type with the keyboard the date in the following format YYYYMMDDHHMM

MANUAL OPROO SN series

18. Big Balance switch. If the balance is felt, but machine is unable to give a change (coin changer is empty) machine auto deletes the balance
 - a. Enable
 - b. Disable
19. Age verify device If you use age verification device you can select the type:
 - a. PAX OCR
 - b. ITC MSB
20. Set exe decie sw, You can activate or disactivate EXE
21. Set digi label Num: Oproo SN machines does not have digi labels so keep it off
22. not used in OPROO SN series (only available with digital price tag)
23. not used in OPROO SN series (only available with digital price tag)
24. Set curreny unicode
25. Defrosting time. YOU can set defrosting timy (default 20 mins) and interval (default 120mins)
26. Defrost cycle time
27. Heart beat Time: Frequency to reach the server if the machine is online
28. Sale order Tineout: The payment time can be set (defult 240sec)
29. Goods led flash: Led fash time after dispense can be set
30. Motor shake times: The movement of the spirals can be adjusted
31. Qr code display Sw: Please set this to disable in case of oproo SN machines
32. Spring Plugin to:J2:,J4: Extra device connections menu (like slave machine)
33. NDE1000 Plugin. you can choose J2, J4, J21A, J21B, J22A, J22B: Extra device connections menu (like slave machine)
34. Faults lock machine: After how many time of machine reports error the machine stops selling products
 - a. 0 or 9: Not locked
 - b. 1-8 lock after the selected time
35. Temp Out range lock: you can lock macine if the machine is out of the range of the temperature selected in menu 36
 - a. 0 or 9: Not locked
 - b. 1-8 lock after the selected time
36. Temp limit range: The working range of the temperature of the machine can be set
37. ICCARD sector: ICCARD Sector can be set
38. ICCARD pass: ICCARD PAss can be set
39. Check Card PW SW: Set pass for Check Crads on or off
40. CMD to Subunit: Tool for CMD to subunit: tool for CMD to Subunit: Sends commands to slave macine for parameter setting.
41. Ltype Low HType No: Low type range to disable high type
42. Connect PC setup tool: With this the machine can be connected to PC and software updated with a dedicated software
43. USB flash drive opt: It is out of order

Menü points can be different in different software versions.

TROUBLESHOOTING

Fault phenomenon	Possible causes	Approach
The machine has no power.	The power switch is not turned on	Turn on the machine power switch
	The insurance tube burned out	Check the machine to make sure the machine is not shortcircuited and replace the insurance tube of same specifications
	The leakage protection switch is OFF	Check the machine to ensure that no leakage occurs and turn on the leakage protection switch
	The power plug wire is damaged	Look for professionals to replace power plugs
	220V power is not connected	Check power supply lines to make 220V power supply normally connected
Not connected to the Internet	No Signal	1. Power off and restart the machine
		2. Check if the antenna connection is installed correctly and the antenna extension cable is intact.
		3. Confirm that whether the antenna is placed on top of the machine.
		4. Replace the flow card of different operators (not support the TELECOM for the time being)
		5. Change the position of the machine (maybe no network signal in that area)
Excessive traffic or downtime of card	Recharge the flow card	
Flow card locked	Contact the background to unlock, the flow card can only be bound to the specified machine, otherwise the card may be locked	
Lighting strip does not work	Lighting strip not turned on	Turn on the lighting strip
	Loose contact of lighting strip	Check the sockets of the lighting strip and re-plug the sockets
	The light strip is damaged	Contact with after-sales, change the lighting strip
Unable to choose cargo lane	Cargo lane failure not cleared up	Clear up cargo lane failures
Delivery failure	The cloud background is inconsistent with the product code set in the machine.	Match the cloud background and the machine's product encoding settings or enable background synchronization
	Product size does not match the cargo lane	Replacement of goods matching the cargo lane or adjustment of the cargo lane to the appropriate size of the goods
	Cargo lane capacity setting error	Clear the cargo lane failures and reset the correct cargo lane capacity T
The machine does not refrigerate	Refrigeration not turned on	Turn on the refrigeration (see the page of "SetTemperature Control Mode" in the Manual for details)
	Long-term use of the machine may lead to	Contact with after-sales, add refrigerant
Failure to reach the preset temperature	Too much dust in condenser	Clean the condenser with a non-metallic brush (pay attention to regular maintenance and cleaning)
	Not enough time to cool the goods	Pre-cooling goods in advance when they are popular
	High ambient temperature due to direct sunlight or other heat sources around the machine	Changing the placement environment of the machine
	Poor ventilation of the machine	Guarantee the clearance of 20 cm or above from the rear and left and right sides of the machine, and ensure the good ventilation of the machine

VENDING MACHINE COMMON TROUBLESHOOTING

Fault phenomenon	Possible causes	Approach
Not accept coins	The power supply of the coin system is abnormal	1. Check whether the MDB line is in good contact; 2. Check whether there is DC24V access to coin changer and bill validator.
	Software disabled	1. The enables of coin type is not on, turn on the corresponding enables; 2. The enables of bill type is not on, turn on the corresponding nables;
	Be subjected to high requency in terferen ce	Remove high frequency interference (e.g. antenna, etc.)
	Installation of coin system is abnormal	1. The coin changer is not hanging correctly, reinstall the coin changer;
		2. The coin return button of the coin changer can not be pressed,which leads to no recovery. Correct the coin return press plate to ensure that the coin return button can recover normally.
	Dirty coin passage	Clean the passage of the coin system
	No coin recycle can be etected	If the trouble can not be eliminated by reinstall the coin recycle,please return the machine to the factory for repair.
	Do not accept large nomination notes	1. Set the limit value of put-in amount too low, reset the limit of putin amount;
2. Set the acceptable coin value is too high, the user may empty the coin hange area after purchasing the goods, sulting in the followup users can not get the change.		
Failure of bill jammed	Clear up the jammed bill.	
No change	Abnormal power supply	1. Check whether the MDB line is in good contact;
		2. Check whether the coin system has DC24V access.
	Software disabled	1. The coin change switch is not turned on. 2. Bill temporary storage switch is not on.
	There's no money in the coin recycle	Prefill coins
	No change due to the low exchange setting is wrong	When the value of put-in bill is too large, the setting of no change low value limit is too low, it is necessary to eset no change low value limit and supplement coins in the coin recycle
	No change for bills	Empty the bill change area and refill the coins.
	The coin changer has a problem of bill jam (the indicator light on the coin returning slot flashes)	1. Check whether coins are erected in the coin recycle, and if they are erected, reload the coins
		2. Check whether the surface of the coin is deformed or foreign body, change the coins or remove foreign body
3. Check whether the coin recycle is detached. If it is detached, please reinstall the coin recycle.		
4. Check that whether the coin return claw is damaged or not. If it is damaged, please return to the factory for repair.		
5. The base of the coin changer is not in place. Re-install the coin changer base.		

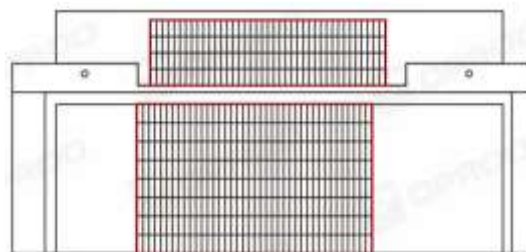
TECHNICAL SERVICE SCHEDULE- MAINTENANCE AND CLEANING

Cleaning Inspection Time and Content

		Cycle	Cleaning inspection time			
			When filling goods	Once a month	Once every six months	
Content	Vending machine exterior		○			
	Pickup slot		○			
	Cleaning	Cargo lane			○	
		Evaporator			○	
		Condenser			○	
		Metal keyboard		○		
		Metal keyboard			○	
		Panel		○		
		Inspectio	Leakage protection			○
LED Light					○	
Set installation status					○	

Cleaning of vending machines

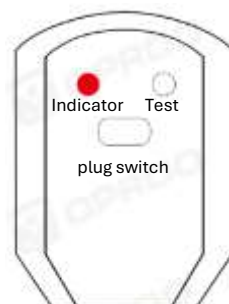
1. When the machine is dusty, wipe it with a dry cloth.
2. If the dirt is serious, wipe it with cloth dampened with water or diluted neutral detergent solution.
3. Do not use organic solvent or acid or alkaline liquid to clean, otherwise the panel may be cracked.
4. When removing the dirt from the vending machine, do not use chemical solvents such as paint solvents and banana water to avoid accidents.
5. The evaporator and condenser should be cleaned regularly with water every month. If necessary, rinse with water (refer to sticker of "Refrigerator Cleaning Guide " on the fuselage for details).
6. Open the machine door, undo the power plug, remove the bezel or the cargo bucket, and clean the dust with a non-metallic brush along the gap of the radiator.



Cleaning area of refrigeration system

Test Leakage Protection Switch

1. Press the test switch of the power plug. When the power indicator is off and the machine is powered off, it must be tested once a month.
2. If it is normal after the test, press the plug switch to turn on the power after 3 minutes.



REFRIGERATION SYSTEM CLEANING

1. Turn off the power switch



2. Undo the power supply plug



3. Rotate the sealing cover clockwise. When the sealing cover can no longer be rotated, the sealing cover can be removed outward.



4. Clean up the dust from top to bottom with a soft brush (not a metal brush) along the gap of radiator.



5. After cleaning, fasten both sides of the sealing cover to the notch, rotate half circle counterclockwise and fix the sealing



DD-TYPE REFRIGERATOR CLEANING

1. Turn off the power switch



2. Undo the power supply plug, and open the machine door



3. Turn off the fixing screw counterclockwise with the large flat screwdriver



4. Remove baffle and insulating tin



5. Clean up the dust with a nonmetallic soft brush the gap of the radiator.



6. After cleaning is completed, close the baffle and tighten it with



Note: When cleaning evaporator, please pay attention to not let the temperature probe touch the radiator and inner metal part of the evaporator. It should be fixed on the watercontaining plate to avoid affecting the cold storage temperature.

APPROACH COOLER

Move the small lock to the inner location and after that you can remove the whole dispenser unit and the cooler is achievable.



Unlocked: Dispense compartment can be removed to access cooler unit

Locked: dispense compartment unit cannot be removed.

MERGE / UNMERGE CARGO LANE OPERATION

Merge:

1. Remove the spacer pin at the bottom of the shelves
2. Remove the spacer between the springs you would like to merge
3. Merge the lanes in the merchandiser menü

Demerge:

Repeat the process above in reverse seps

ADJUSTMENT OF LAYER HEIGHT AND MOTOR WIDTH

Shelves Height:

1. Cut the tie-up cable, pull out the tray and disconnect the terminal behind the tray.



2. Use screwdriver to loosen and remove the screws of the cargo lane slide rail. Adjust the slide rail to the appropriate height and fix it with screws (Note: the height of the slide rail on both sides must be the same)

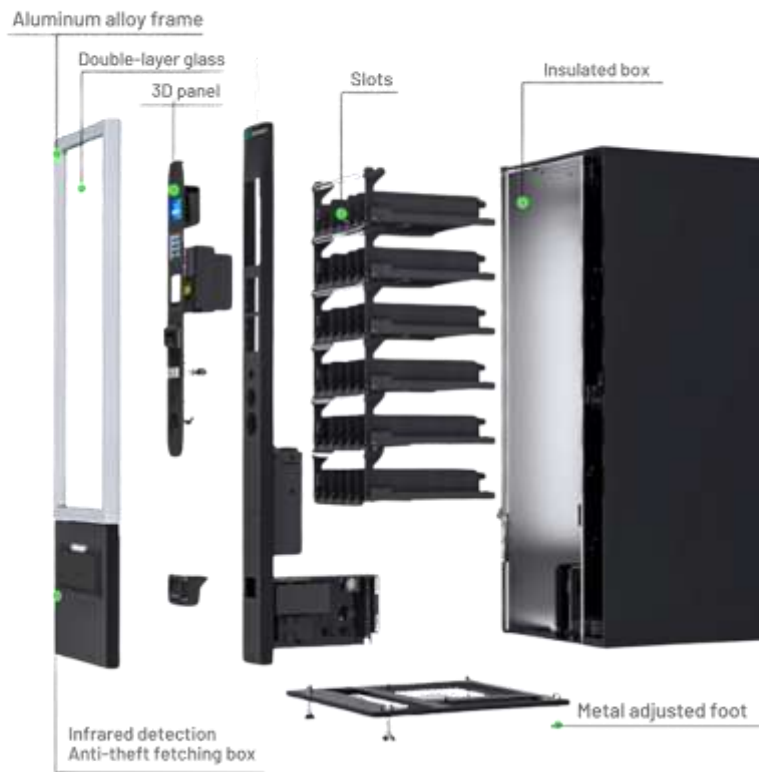


3. Connect the tray terminals, tidy up and bind the lane wiring harness, and push the lane into the main cabinet.

Remove the pin and slide the motor left or right freely.

EXPLOSIVE SCHEME

1. Machine

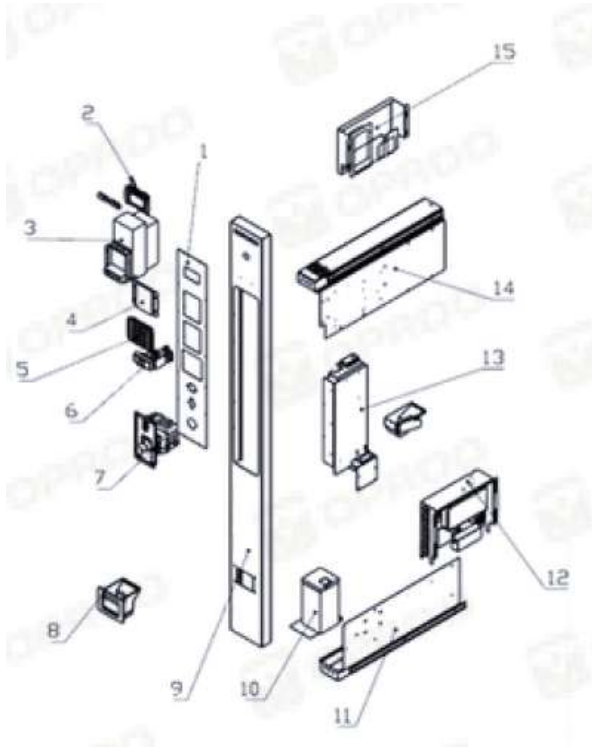


2. Tray / Layer Explosive Scheme



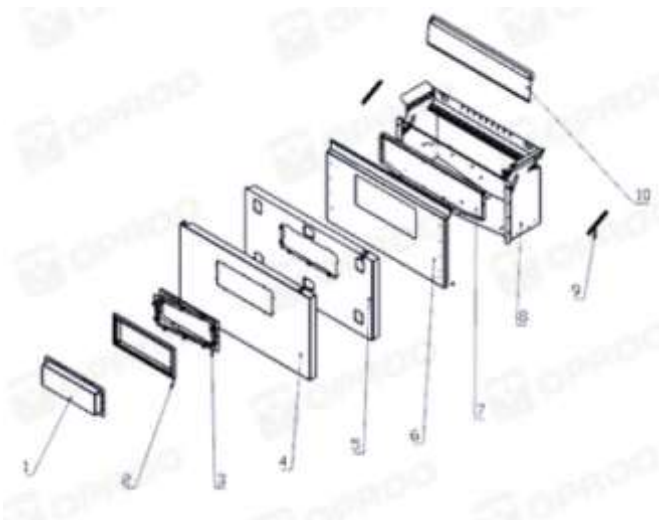
Item No.	Part Description	Quantity
01	Motor	10
02	Spiral Coin Clip	10
03	Tilting Slide Rail	2
04	Tray Guide Strip	2
05	Idler Wheel	4
06	Spiral	10
07	Tray	1
08	Metal Bar	1
09	Support Bar	10

3. Small Door Explosive Scheme



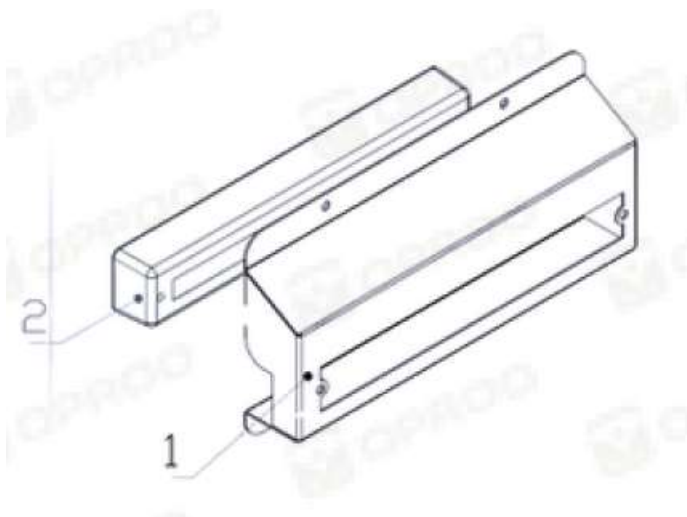
Item No.	Part Description	Quantity
01	Decorative Panel	1
02	12864 screen	1
03	Bill acceptor	1
04	Card reader	1
05	Metal keyboard	1
06	Lock	1
07	Coin Insert/Return Hole	1
08	Coin Change Box	1
09	Small Door	1
10	Coin Storage Box	1
11	Lower beam	1
12	Strong Power Box	1
13	Coin Changer	1
14	Upper beam	1
15	Weak Power Box	1

4. Delivery Box Explosive Scheme



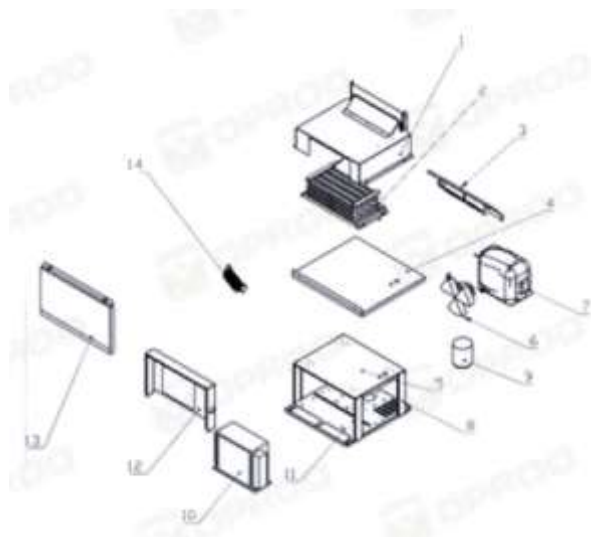
Item No.	Part Description	Quantity
01	Push Door Convex Plate	1
02	Push Door Decorative Plate	1
03	Push Door Cover Plate	1
04	Delivery Box Face Plate	1
05	Delivery Box Foam Layer	1
06	Delivery Box Mounting Plate	1
07	Push Door Internal Plate	1
08	Delivery Box	1
09	Anti-theft Connection Bar	2
10	Anti-theft Panel	1

5. Drop Sensor Explosive Scheme



Item No.	Part Description	Quantity
01	Drop Sensor Support Plate	1
02	Drop Sensor	1

6. Cooling System Explosive Scheme



Item No.	Part Description	Quantity
01	Decorative Panel	1
02	12864 screen	1
03	Bill acceptor	1
04	Card reader	1
05	Metal keyboard	1
06	Lock	1
07	Coin Insert/Return Hole	1
08	Coin Change Box	1
09	Small Door	1
10	Coin Storage Box	1
11	Lower beam	1
12	Strong Power Box	1
13	Coin Changer	1
14	Upper beam	1

EU DECLARATION OF CONFORMITY (DOC)

EU Declaration of Conformity (Doc)

We, Quvend Ltd as legal manufacturer of OPROO machines, declare under our sole responsibility that the product specified below comply with the relevant European Union directives, regulations, and harmonized standards.

Product Identification:

Product name: **OPROO SN** vending machine
 Type / Model: **SN06, SN08, SN10, SN12**
 Legal manufacturer: Quvend Ltd
 Address: 150 Gyömrői út Budapest 1103 HUNGARY.
 Email: info@oproo.com, web: <http://www.oproo.com>
 Tel: +36 703625452

Applicable Directives and Regulations:

- 2006/42/EC Machinery Directive (MD)
- 2014/35/EU Low Voltage Directive (LVD)
- 2014/30/EU Electromagnetic Compatibility Directive (EMC)
- 2014/53/EU Radio Equipment Directive (RED)
- 2011/65/EU RoHS Directive and (EU) 2015/863 amendment
- 2012/19/EU WEEE Directive
- 2009/125/EC Ecodesign Directive and Regulation (EU) 2019/2024
- Regulation (EU) 2017/1369 and Delegated Regulation (EU) 2019/2018 (Energy Labelling)

Applied Harmonized Standards:

- EN 55014-1:2021 – Electromagnetic compatibility – Requirements for household appliances electric tools and similar apparatus – Part 1: Emission
- EN 55014-2:2021 – Electromagnetic compatibility – Requirements for household appliances electric tools and similar apparatus – Part 2: Immunity – Product family standard
- EN 61000-3-2:2019 + A1:2021 – Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤16 A per phase)
- EN 61000-3-3:2013 + A2:2021 – Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems (equipment rated current ≤16 A per phase, not subject to conditional connection)
- EN 60335-1:2012 + A15:2021 – Household and similar electrical appliances – Safety – Part 1: General requirements
- EN 60335-2-75:2004 + A2:2008 – Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines



- EN IEC 60335-2-89:2022 + A11:2022 – Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor
- EN 62233:2008 – Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
- EN ISO 12100:2010 – Safety of machinery – General principles for design – Risk assessment and risk reduction
- EN IEC 63000:2018 – Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
- RoHS (2011/65/EU and amendments) – Restriction of the use of certain hazardous substances in electrical and electronic equipment
- (EU) 2019/2024, (EU) 2021/340, (EU) 2019/2018, (EU) 2021/341 – Ecodesign and energy labelling regulations for refrigerating appliances with a direct sales function

Factory certificates:

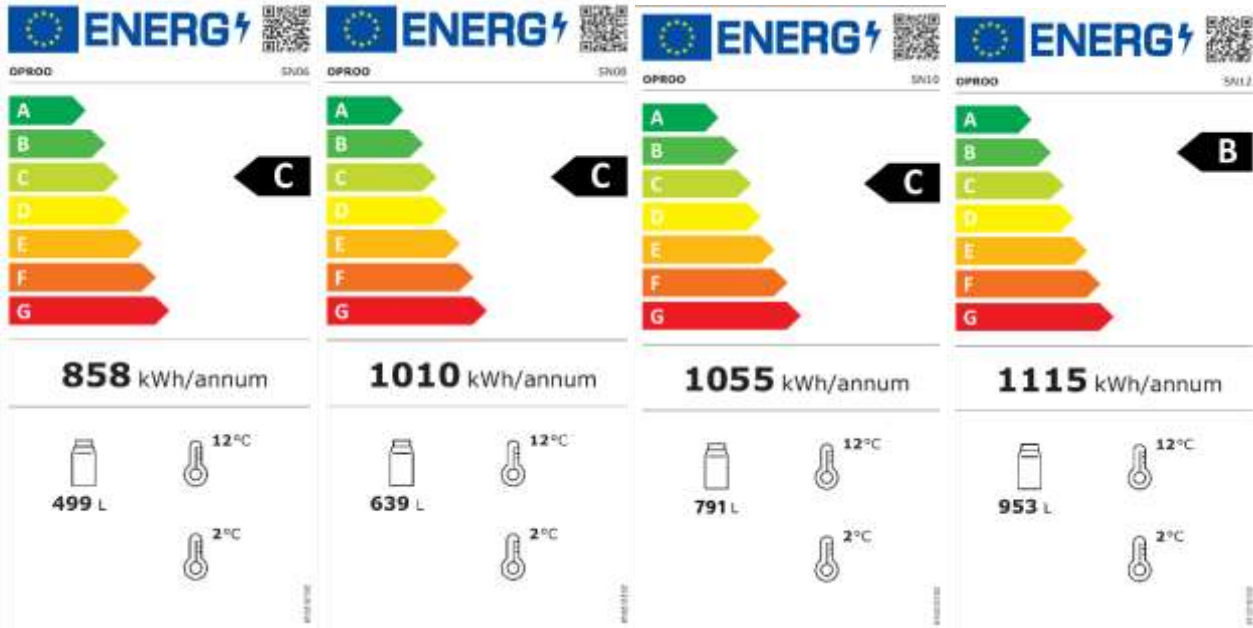
- ISO 14001
- ISO 9001

We hereby declare that the product(s) specified above conform to the essential requirements of the above directives and standards. This declaration is issued under the sole responsibility of the legal manufacturer.

Place and Date: Budapest 04.09.2025


 Name: **GÁBOR KÁSHORVÁNI**
1103 Budapest, Gyömrői út 151.
 Managing Director

ENERGY LABELS (EPREL)





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