USER MANUAL



- Please carefully read all the safety precautions and instructions before using the device.
- Service fee may apply for any damaged caused by misuse and not taking proper safety precautions.

WARNING

- Use only the correct power outlet
- t 110V/220V Compliant

Never disassemble and/or modify the controller

Don't break or change the seal of the controller. This may lead to the damage of the controller.

Avoid storing device in unventilated areas or areas near open flame. Storing the capsule near chemicals or corrosive gas could result in fire or electrical shock

Consult with a Hue Light professional for safe-use instructions

When using this device with other devices, contact Hue Light for safe-use instructions.

Schedule regular maintenance

To ensure safe operation of the device, perform regular maintenance and follow user instructions.

Use caution when moving the device

Avoid vibration and physical shock during transportation.

Notify users of the following precautions during pressurization and

decompression

- Allow the user to follow the equalizing attempts during pressurization and decompression. Breathing hard while covering the nostrils and the mouth can help to clear the ears.
- Stop the device when the user complains of pain in the ears.
- Carefully observe the user during operation.

SAFETY NOTE

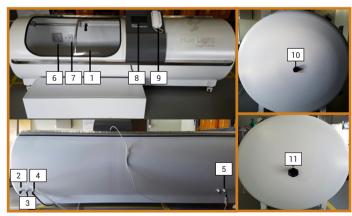
- Do not open the system's case
- Do not open the door of the capsule during the operation
- Store a fire extinguisher near the capsule
- Avoid placing sharp items and flammable materials near the device

OPERATIONAL CAUTIONS

- 1) The following users should avoid using this device:
 - a) users with cold/flu
 - b) drinkers
 - c) users with ear infections (i.e. mid-ear infection, otitis externa)
 - d) users with compressed-air disease
 - e) users with expanded lungs
- 2) Rapid exhaustion of the compressed air may lead to pain in the ears
- 3) If a user exhibits abnormal behavior, stop the device and move the user to a safe place
- 4) Place a fire extinguisher outside of the capsule for emergency
- 5) Avoid static shock when touching the entrance door

PRODUCT DETAILS





FIRE WARNING

RO-101

Never use and/or carry flammable objects or objects that are sensitive to high pressure in the capsule.



PURPOSE OF THE DEVICE

The device delivers oxygen to the users' tissues by exposing the user inside the hyperbaric oxygen capsule with highly concentrated oxygen generated through highly compressed air pressure.

SPECIFICATIONS

No	Subject	Features				
1	User Capacity	Single per operating session				
2	Air Input	Sourced motor's rated pressu		sure	motor: Ma	pressures of the supply ix air-supply of 80kPa with (air-supply pressure pump
		Compression speed during operation		50 kpa within 10 minutes		
3	Exhausion	Exhaust Control Valve		60 seconds (± 20 sec) from 40kPa to 20kPa		
		Decompressing Speed		within 10 minutes from 45kPa to 0kPa		
		Emergency exhaust valve		within 30 seconds from 45kPa to 0kPa		
4	Ventilation	Oxygen level		0~100% ± 5% (Oxygen sensor)		
		Carbon Dioxide		0~10,000 ppm ± 5% (@ 1 atmospheric pressure) (Carbon dioxide sensor)		
		Humidity		Less than 60% (humidity sensor)		
5	Air Permeability	Pressure Leakage	9		5% of maxi 30 minutes	mum allowed pressure at
6	Temperature	Max operating temp during the		the compre	ssion	< ±5 degrees
		Max operating temp during the		the decomp	pression	< ±4 degrees
		Maximum instantaneous temp		•		Less than 40 Max (duri the compression)
		Temp allowed inside the capsule during the operation				Less than 32
7	Measured Data	LCD Touch Display			hours with	1 min interval
		Recorded Pressure		(0.1kPa unit operation, <5 % margin of error)		
		Oxygen Concentration 20.9% ~ 30% (margin of error: <5%)				
8	Noise Level	Equal-pressure C			< 70dB(A)	
		Compressing/dec			< 90dB(A)	
9	Control Panel	Compression	0~50kPa setting (Basic unit : 1kPa)			
		Decompression	Decompressing while at a compressed setting (set from 50 to 0 kPa)			
		Ventilation	Control the level from 0~100L with the ventilation flowmete knob			
		Communication method	Interphone (9V, separate power source/battery)			
10	Control Panel Display	Pressure	Pressure level inside the capsule			
		Temperature	Temperature inside the capsule			
		02	Oxygen concentration level inside the capsule			
		CO2	Partial pressure of CO_2 inside the capsule			
		Operating time	Max 3 hours (1 min interval)			
		Power Control	Power S/W, basic setting display (START COMPRESSION)			
11	Door Opening	Made of polycarbonate				
	, ,					

No.	Component	Features			
1	Sliding door	The entrance/exit of the capsule.			
		Clear view allows the manager to observe the user			
2	Exhaust valve	Capsule pressure controlling valve			
3	Pressure sensor valve	Pressor sensor controlling valve			
4	Air-supply valve	Valve to deliver the compressed air to the capsule			
5	Serial cable connecting jack	For temperature, Humidity, and interphone connection			
6	Internal Interphone	Alarm rings when press the call button			
7	ON/OFF remote	Air-supply/On, exhaust/Off control			
8	LCD touchscreen (7 inch)	Displays the chamber feature controls and status			
9	External interphone	Alarm rings when the receiver is picked up and the call button is pressed			
10	Pressure cut-off valve	Safety valve that operates when the internal pressure of the capsule is over 50kpa			
11	Emergency release valve	Can decompress within 1 minute from 40kpa to atmospheric pressure			

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HOW TO



1. Fix the body of the capsule by tightening the locking device of the caster and by turning it counterclockwise



- 2. Connect the power A/C. Connect the airsupply hose (10mm) and the scavenging hose (12mm) to the controller (as shown in the picture) and the capsule (back). Connect the display cable from the front of the capsule to the controller
- 3. Connect the exhaust hose, and air-supply hose to the back of the capsule.
- Make sure that the pressure sensor valve is properly connected at the back of the capsule.

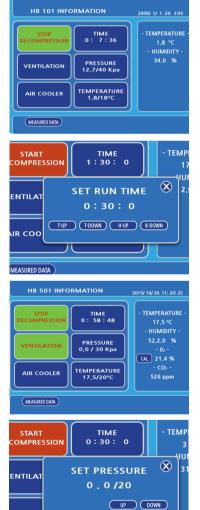


5. Connect the serial cable extender on the back of the capsule. Check the interphone and the remote inside and out to confirm that it works properly.

<Inside the capsule>

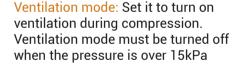
Setting & Operating the Device

Turn on the device. The LCD display will light up as shown.



Start mode: The air pump will turn on, and air will be compressed to the set pressure level. When the air compression starts, start mode switches to stop mode. When you touch the button, the air pump will stop and automatic decompression will start

Time mode: Set the time for compression



Pressure mode: Pressure setting could be set between 15 kPa - 50 kPa

How to prepare for the first run



(1) Set the pressure to 50kPa at max

(3) Check that

the interphone,

exhaustion valve

works properly

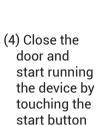
remote, and

emergency



(2) Set the run time to 180 min at max





The air pump will operate and the door will rise to tighten the gap and the compression will start



(5) Open the measured data to confirm the pressure difference for every 50 minutes

Check whether there's condensed liquid water in the cup placed on the right side of the base If the air cooler is not engaged (e.g. wintertime use), no water will form.

6. Check that all the features work properly

7. Now, the device is ready to be operated

Safety Features

Pressure Cut-off Safety Feature

Pressure cut-off valve (right side) operates at 48 kPa ± 5%.

Safety Valve

Operates when the air pump pressure is over 80 kPa max.

Opening door (closing and opening device)

The sliding door is manual and does not open when the pressure is above 0.1kPa.

Interphone

Communication tool between the user inside the capsule and the manager outside of the capsule. The alarm rings when call button is pressed.

Emergency Power

When the power is off, the solenoid valve opens to automatically exhaust compressed air.

Emergency Exhaust valve

While the exhaust valve (decompression valve) automatically closes when the power is on and opens when the power is off, emergency exhaustion valve immediately decompresses when manually opened.

Maintenance

After using the device

1) Leave the door open if the device is used frequently



Air cooler mode: Turn on to lower the humidity and the heat generated from the air pump

- 2) Wipe the inside mat of the capsule between uses
- 3) Store the device unplugged when it is not in use
- 4) When using the air cooler, always check and empty the water catch on the backside of the controller



A/S Warranty

If there is any issue with this product, you may qualify for 1 year of A/S service. A/S warranty coverage requires proof of purchase.

Paid Service

Product failure or damage due to the user's error Failure due to improper repair or modification Failure caused by natural disaster Damage caused by failure to observe any cautions specified in this manual

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