

# User's Manual

Subject: Compressible Limb Therapy System

Model: WHF-324(POWER-Q1000PLUS)



- Keep this user's manual where you can easily find after reading it.
- Warranty is included in this user's manual
- Caution : Make sure to read this user's manual if you want to keep the Product in a good condition.
- This is a medical device.



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## 1. Product Name, Model, Descriptions



	Descriptions
Product Name	Compressible Limb Therapy System
Model	WHF-324(POWER-Q1000PLUS)
Size	260 X 200 X 125 (mm)
Rated Voltage	AC 220~240V, 50/60Hz
Power consumption	50 VA
Adjustable Time	0~30 minutes
Maximum Pressure	300mmHg±10%
Weight [Main Body]	2.0 kg

## 2. Country, Manufacturer, Address, A/S Center

- ① Country : Republic of Korea
- ② Manufacturer : WONJIN MULSAN CO., LTD.
- ③ Address : 2F, 89, Geomdan-ro, Seo-gu, Incheon, Korea.  
Tel : +82-32-816-0552 Fax : +82-32-816-0557  
www.wonjininc.net
- ④ A/S Center : +82-32-816-0552

### 3. Cautions

- This is for user safety and prevention against the property damage. Please read it carefully prior to using the product.



#### Warning

If instruction is not followed, the user may die or cause serious damages.



#### Cautions

If instruction is not followed, the user may cause injuries or incur financial loss.

	Manufacturer		Serial Number
	Caution		Date of Manufacturer
	Temperature Limitation		Operating Instructions
	Pushing prohibited		Humidity Limit
	Follow the instructions for use		Sitting prohibited
	General prohibition sign		Keep dry
	Stepping prohibited		This means not to take the device apart
	Type BF Applied part		Authorised representative in the European community
	This means to unplug the power cord.		Class II equipment
	KIWA CERMET (NB no. 0476)		General mandatory action sign
	General warning sign		Please do not throw any electrical equipment (including hose marked with this symbol in your bin)
<b>IP 21</b>	2: Protected against solid foreign objects of 12.5mm Ø and greater 1: Protection against vertically falling water drops.		

















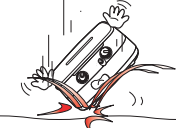



- User should wear clothes before wearing cuffs.
- Operator-enabled : This device can be used by professional, trained personnel or lay operator.
- Environment : This device can be used both in hospital and at home.

## Side Effects.

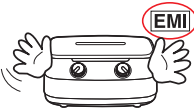














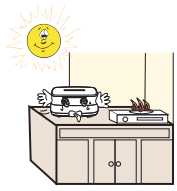
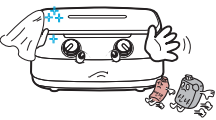



### These people can cause side effects.

- Using medical electronic implant device (artificial heart)
- A person who is in pulmonary edema, heart disease, vein cancer, high blood pressure, high fever.
- A person who have skin disease such as skin burn, dermatitis, bed sore, purulent disease, malignant tumor and etc.
- A person who took skin surgery (skin graft) on the part of use.
- A person who has blood vessel disease such as series artery hardening or other angina, cardiac infarction and etc.
- Cases the suspected blood clot presence.
- Not contact parts of physical deformity or pins inserted. (artificial joint, beads, metal, and so on)
- Right after the operation as a varicose veins.
- Recovering patients since after the surgery, pregnant woman, children.
- In the case of increasing of pain after use this machine.

**Warning**

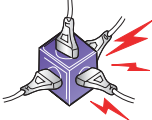

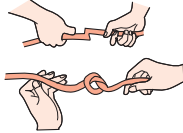





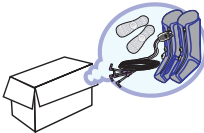

<p>Please avoid same time with medical equipments for artificial life preservation, installation style medical equipments like electrocardiograph etc. Please avoid to users the device to whom in too high blood pressure or obstacle in blood circulation.</p>  	<p>Do not use this product if you are experiencing inflammation, an infection, pain of unknown origin, or bleeding [Internal or external] at near the site of application</p>  
<p>Do not place the heavy things on the power cord. Also, do not press it with a table or a chair. (It may. Cause an electric shock, an electric leakage, or fire.)</p>  	<p>Do not soak the device in the water because it is an electrical product.</p>  
<p>When plugging or un plugging the power cord from the wall outlet, please remove moisture from hands. (It may cause the electric shock, electric leakage or fire.)</p>  	<p>Check up the suitable voltage to be used and use the device. (The user may be burned, get shocked or be injured)</p>  
<p>Please use after wearing underwear or sportswear not to touch directly in skin with the cuffs or pad.</p>  	<p>Do not use the device if you feel pain or make you feel uncomfortable. Stop the use immediately. Be careful when you zip up the cuff. Clothes, hair or skin may get stuck in the zipper.</p>  
<p>Try not to drop the device on the floor because it might be much vibration or shock on it. (The device may be damaged.)</p>  	<p>Do not use by purpose except massage. Keep infants and children away from this device due to the risk of electric shock or other injuries.</p>  

**!** **Cautions**

<p>Do not use it in an environment with too much electromagnetic wave. It may cause damage to the device and/or cause malfunctioning.</p>   	<p>Do not store the garments near a stove, cigarette or other heat generating device as this is a fire hazard. Do not store the garments near needles, scissors or other sharp objects as they may damage the garments.</p> 
<p>Be careful that water or other substance cannot be inserted inside of the device.</p>   	<p>If this device should malfunction or fail to operate, do not attempt to open, repair, or disassemble the main unit or this device. (It may lead to a risk or fire, electric shock, or injury to the user.)</p> 
<p>While using this product, remain stationary and do not attempt to walk or move around.</p>   	<p>Use the device within 20 minutes when using it once. (At first, start from 5 minutes, and increase the time slowly considering your physical strength. "If you use it continuously for a long time, it may have a reverse effect on you")</p> 
<p>If you have not used the device for a long time, or if you use it in cold areas. * The device may not operate normally. In this case, use the device after operating it three or four times at the strength of Low-Medium-High in regular sequence.</p>   	<p>Keep the product out of the direct rays of the sun or heating equipments including gas stove. It may cause the product modification or discoloration.</p> 
<p>When cleaning the product, wipe off with a dry cloth without any chemical substance or detergent. It may cause the product external damage such as discoloration and peeling off.</p>   	<p>Please dispose the product according to the waste procedure. It may cause the environmental pollution.</p> 



## Cautions

<p>Please use the exclusive power outlet and do not plug several cords at once. It may cause the fire, electric shock or other injuries.</p>  	<p>Be careful about air hose not to be twisted or bent.</p>  
<p>Do not keep the device at too low temperature in winter time. It may be hardened and damaged.</p>  	<p>Do not machine wash the cuffs or submerge them in water. The cuffs may be gently wiped with a moistened towel or cloth. If necessary, a mild detergent may be used.</p>  
<p>If you wish to keep the device for a long time, place it in its box.</p>  	

## Others

- There is possibility that infant or child may be strangled by cable or hose. Please keep the device away from reach of infant or child.
- Please be aware that children may be choked by swallowing the small parts. Please keep the device away from reach of infant or child.
- This equipment needs to be installed and put into service in accordance with the information provided in the manual.
- Wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can effect this equipment and should be kept at least a distance 0.23M away from the equipment.



## 4. Purpose, Name of each parts

### ① Purpose

Compressible Limb Therapy System is a pneumatic pressure treatment system That repeats expansion sleeves to help blood circulation and prevent blood clots or clogs.

### ② Main body



### ③ Accessories

... Basic sets ...

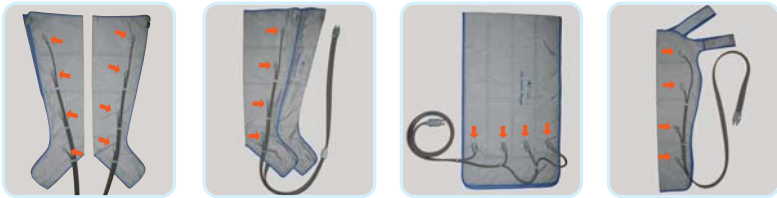


... Accessorie ...



## 5. Preparation before use

- ◆ Please put the main body in a pouch bag
  - ① Select proper cuff or pad to put.
  - ② Connect hose with below picture.



- ③ Put cuff or pad to use if conjunction was ended.




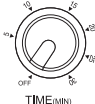



- Use leg cuffs when unfold leg, you can Pressure sole a foot using the pressure band.
- The waist pad could be used through abdomen and hip, you can pain when wrapping the region of chest.
- Put the shoulder cuff to wrap the shoulder with fixed band.

- ④ Connect hose to the main body.



## 6. How to Use

<p><b>1. Insert the power plug into the outlet.</b></p> <ul style="list-style-type: none"> <li>• Check up the suitage to be used and use the device.</li> </ul>	
<p><b>2. Insert the hose connector into the body.</b></p> <ul style="list-style-type: none"> <li>• Wear the cuff to be used.</li> </ul>	
<p><b>3. Regulate the pressure properly.</b></p> <ul style="list-style-type: none"> <li>• When using this device for the first time, Move from “MIN” to “MAX” smoothly.</li> <li>• Regulate its strength properly because the pressure when using the only One side will get stronger than that when using both sides.</li> </ul>	 <p>PRESSURE</p>
<p><b>4. Regulate the time to be used.</b></p> <ul style="list-style-type: none"> <li>• when using this device for the first time, increase the time slowly starting From five[5] or ten[10] minutes.</li> </ul>	 <p>TIME(MIN)</p>
<p><b>5. Turn on the Power.</b></p> <ul style="list-style-type: none"> <li>• Press the “ON” butto.</li> </ul>	

## Extension zipper connection method

- Extension zipper is an optional item that increases the size of leg cuff.
- Connect the extension zippers between leg cuff zippers as shown in the figure below



Extension zipper (R/L)



Extension zipper connection



After extension zipper connection

## 7. When closing the Use

<p>After one or two minutes of closing the use, the air will be discharged. Then, remove the cuff, and pull off the power plug out of the outlet.</p>	<p>Remove the connector from the body. [Caution] When you pull off the power plug or connector, pull off it holding the plug, not the cord</p>
<p>Disconnect the hose connector from the cuffs [pad].</p>	<p>After using the device, Keep the body and its parts in the box.</p>

## 8. Custody and Management

All the cuffs are not to be repaired as consumption goods. Be always careful.

<p>Do not place the cuff near the sharp things such as furnaces, needles, scissors, etc.</p>	<p>Keep it in the dry place where there is no water or humidity</p>
<p>Do not machine wash the cuffs or submerge them in water. The cuffs may be gently wiped with a moistened towel or cloth. If necessary, a mild detergent may be used</p>	<p>Do not keep the device at too low temperature in winter time [It may be hardened and damaged.]</p>
<p>If you wish to keep the device for a long time, place it in its box</p>	






### Environments for its operation and custody






1. Operation : Temperature: 10~40°C, Humidity: 30~85%, Pressure : 700~1060hpa
2. Transport & Custody : Temperature -25~70°C, Humidity less than 93%






## 9. Temporary action taken

Contents	Check-up
When it doesn't work	<ul style="list-style-type: none"> <li>* Check up if you have plugged it in.</li> <li>* Turn on the power switch.</li> <li>* Check up if there is any problem in the power cord(Check up the voltage).</li> <li>* Check up if you have set the timer switch.</li> </ul>
When there is a strange sound like air leakage	<ul style="list-style-type: none"> <li>* Check up if there is any damage in the connecting hose and connector.</li> <li>* Check up if you have connected the connector with the device.</li> <li>* Check up if the connecting hose is pressed or bent.</li> </ul>
When the air Dose not go into the cuffs and waist pad or when there is no pressure	<ul style="list-style-type: none"> <li>* Check up if you have connected the connector with the device.</li> <li>* Check up if any heavy stuffs are placed on the connecting hose or it is bent.</li> <li>* Check up if the connecting hose is properly connected with the pad groove with a rhythmical sound.</li> </ul>
When the wind continues to go into the cuffs and when the wind leakage sound is made	<ul style="list-style-type: none"> <li>* Check up where the wind leakage is there in the cuffs. If there is no wind leakage, turn off the power, and then, turn on the power again and check up if it does work properly. (cuffs and each pad are consumption goods.)</li> </ul>

## 10. Label

<b>CE</b> 0476	Compressible Limb Therapy System		
	MODEL NAME	WHF-324	
RATED SUPPLY VOLT	AC220~240V	SUPPLY FREQUENCY	50/60Hz
POWER CONSUMPTION	50VA	MAXIMUM PRESSURE	300mmHg ± 10%
 <b>SN</b>			
 IP 21 			
	Wonjin Mulsan Co., Ltd. Tel : 82-32-816-0552 Fax : 82-32-816-0557 89, Geomdan-ro, Seo-gu, Incheon, Korea		 MADE IN KOREA
<b>EC REP</b>	I.A.C.E.R srl Via Sandro pertini 24/A 30030 Martellago(VE), Italy		

<b>CE</b> 0476	Compressible Limb Therapy System		
	MODEL NAME	POWER-Q1000 PLUS	
RATED SUPPLY VOLT	AC220~240V	SUPPLY FREQUENCY	50/60Hz
POWER CONSUMPTION	50VA	MAXIMUM PRESSURE	300mmHg ± 10%
 <b>SN</b>			
 IP 21 			
	Wonjin Mulsan Co., Ltd. Tel : 82-32-816-0552 Fax : 82-32-816-0557 89, Geomdan-ro, Seo-gu, Incheon, Korea		 MADE IN KOREA
<b>EC REP</b>	I.A.C.E.R srl Via Sandro pertini 24/A 30030 Martellago(VE), Italy		

<b>CE</b> 0476	Compressible Limb Therapy System		
	MODEL NAME	WHF-324	
RATED SUPPLY VOLT	AC220~240V	SUPPLY FREQUENCY	50/60Hz
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 <b>SN</b>			
 IP 21 			
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<b>EC REP</b>	I.A.C.E.R srl Via Sandro pertini 24/A 30030 Martellago(VE), Italy		



# WARRANTY

<b>Name of Products</b>	Compressible Limb Therapy System	<b>Applicable Model</b>	WHF-324
<b>Date of Purchase</b>		<b>Serial No.</b>	
<b>Agent of Purchase</b>		<b>Warranty Period</b>	Body : 1Year Cuffs(Consumption Goods) : 3Months(Work Place)

## About Our Service

This is a product that we, WONJIN MULSAN Co., Ltd. manufactured through its own strict quality management and inspections process after obtaining the permission and approval of the Korean Food and Drug Administration and the Safety Authentication System for Electrical Good. WONJIN MULSAN Co., Ltd. Will provide parts list or maintenance instructions manual of products or more information to perform maintenance or repair the system.

EMC(Electro- Magnetic- Compatibility)

These products are satisfied with EMC standard requirements. Please follow below instructions for the special caution of EMC.

- It will affect the performance of devices for the decline of durability of equipment or the emission of electromagnetic if clients do not follow manufacturer's instructions.
- It will affect normal operation in medical devices by using mobile or communication equipments. The clients need to check normal operation in medical devices before using these equipments.
- Please contact to engineers at WONJIN MULSAN Co., Ltd. In South Korea if you want to know more about EMC.

## Paid Services

Please be careful about the fact that the service fee will be charged even within the warranty period if the consumer requests the service due to his/her carelessness or if no defects are found in it. In case of faults due to the consumer's mistake (When the faults occur due to consumer's carelessness or wrong repair)

- When the fault occurs due to the wrong use for the electrical capacity.
- When the fault occurs because the consumer has fallen down the device during the transfer after installation.
- When the fault occurs because the consumer has used the consumption and optional goods that we did not designated.
- When the fault occurs because other companies' repairman has repaired the product concerned
- When the fault occurs because the consumer has used the product in the prohibited area(outdoors) or beyond the original use, because the consumer has disassembled, alternated and repaired at his/her discretion.
- When the consumer has not abide by the matters that require attention in this instruction manual (Please read the matters that require attention carefully.)

## Other cases

- In case of natural disasters (fire, damage from sea wind, flood damage, thunder, lightning, earthquake, etc.)
- Where the consumption goods are used up or their warranty period has already lapsed.
- You need to use authorized parts or supplies which are provided by manufacturer. Otherwise, it might be the reason of trouble or accident.

Manufacturer: Wonjin Mulsan, Co., Ltd.  
2F, 89, Geomdan-ro, Seo-gu, Incheon, Rep. of KOREA  
A/S 82-32-816-0552



EC REP

**I.A.C.E.R. Srl**

Via Sandro Pertini 24/a 30030 Martellago(VE)  
Tel. 041-5401356, Fax. 041-5402684



**W on Jin**  
WONJIN MULSAN CO. LTD.

**Wonjin Mulsan Co., Ltd.**

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