

# *USER MANUAL*

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*MNPG80 Rev. 1 Edition 06/05/2016*

Compressive Limbs Therapy model


# *Power Q-6000 Plus*

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 **CE** 1023 MDD 93/42/EEC Compliance

Compressive limbs therapy is able to promote a right venous circulation by decreasing muscle tension caused by stress or chronic and acute pains: thanks to its pump action it favors venous return by increasing tissues blood circulation and finally their physiological renewal.

Compressive limbs therapy can solve blood stagnation problem in damaged sanguine vessels or in body zones not correctly bedewed.

External compression allows excess interstitial fluids to return in circulatory system in order to be quickly removed.

Most common applications are:

- Body massage increase;
  - Blood flow promotion thanks to a slow and progressive pressure;
  - Lymphatic drainage;
  - Lower limbs relief and comfort;
  - Substances stagnation prevention in peripheral tissues;
  - Blood insufficiency prevention caused by an inadequate pump action;
  - Muscle tone loss in disabled or paralyzed patients.
- Compressive limbs therapy substitutes the manual massage for trophic purposes.

## Machine body



## Graphic display detail

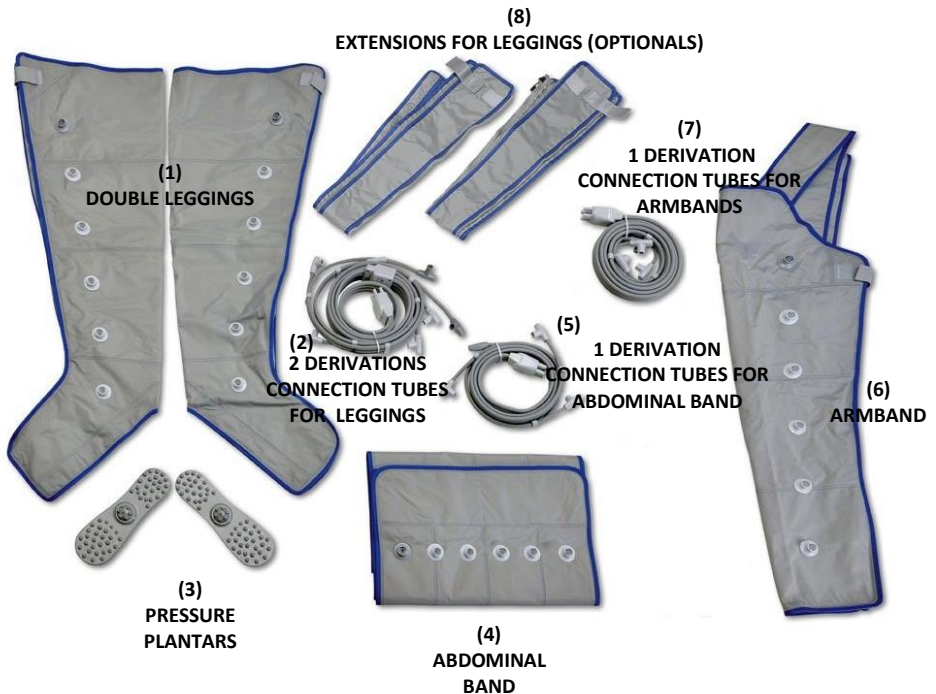


- (1) MODE: mode selector (A1, A2, B, C, D1, D2, D3, D4, D5, D6)
- (2) SPEED: speed selector
  - Speed 7 – 42 sec
  - Speed 8 – 48 sec
  - Speed 9 – 54 sec

- Speed 10 – 60 sec
- Speed 11 – 66 sec
- Speed 12 – 72 sec
- Speed 13 – 78 sec
- Speed 14 – 84 sec

- (3) **TIMER UP/DOWN:** time selector (from 0 to 99 minutes by step of 5)
- (4) **PRESSURE:** pressure selector ( from 0 to 240 mmHg by step of 1)
- (5) **START/STOP:** start/stop selector
- (6) **LCD graphic display**

## Accessories



*Power Q-6000 Plus is equipped with:*

- ***machine body***
- ***double leggings (1)***
- ***2 derivations connection tubes for leggings (2)***
- ***2 pressure plantars (3)***
- ***abdominal band (4)***
- ***1 derivation connection tubes for abdominal band (5)***
- ***armband (6)***
- ***1 derivation connection tubes for armband (7)***
- ***2 pairs of TNT leggings***
- ***air stopped jack***
- ***power supply cable***

*Optional accessories:*

- ***extensions for leggings (8)***

## **Accessories size**

*Legging:*

- *Length around 86 cm (from upper side to heel)*
- *Thigh circumference around 71 cm*
- *Ankle circumference around 42 cm*

*Armband:*

- *Max. length around 86 cm*
- *Biceps circumference around 50 cm*
- *Wrist circumference around 36 cm*

*Abdominal band:*

- *Length around 136 cm*
- *Height around 46 cm*
- *Velcro height around 31 cm*

*Extensions:*

- *Max. width around 13 cm*
- *Min. width around 6 cm*

**Specifications**

*Power Q-6000 Plus has the following specifications:*

- *Class IIa equipment (Directive 93/42/EEC, annexed IX, rule 9);*
- *Class I, applied part type BF (Classif. CEI EN 60601-1);*
- *Equipment not protected against liquids penetration;*
- *Equipment and accessories not subjected to sterilization;*
- *Use of the equipment is prohibited close to flammable substances or in environments with high concentrations of oxygen;*
- *Continuous operating mode equipment;*
- *Equipment not suited to be used in external.*

**Technical Specifications**

<b>Power supply</b>	220-240 VAC, 50-60 Hz	<b>Therapy time</b>	Adjustable (0 ÷99 minutes)
<b>Max output power</b>	80 VA	<b>Max pressure</b>	240 mm Hg (±10%)
<b>Weight</b>	9,5 Kg		

**Purpose**

*Clinical purpose:*





*Therapeutic*








*Use:*







*Clinic and domestic use*



# Labelling

<b>CE</b> 0476	Compressible Limb Therapy System		
	Modello	POWER-Q6000PLUS	
Tensione di rete	AC220~240V	Frequenza di rete	50/60Hz
Consumomassimo	90VA	Pressione massima	240mmHg±10%
 <b>SN</b>			
			
	Wonjin Mulsan Co., Ltd. Tel : 82-32-816-0552 Fax : 82-32-816-0557 89, Geomdan-ro, Seo-gu, Incheon, Korea		 WONJIN MULSAN CO., LTD. MADE IN KOREA
<b>EC REP</b>	I.A.C.E.R srl Via Sandro pertini 24/A 30030 Martellago(VE), Italy		<b>I-TECH</b> MEDICAL DIVISION

	Warning
	Product subject to WEEE regulations concerning separate waste collection of electronic equipment
	Part applied BF
	Class II equipment
<b>CE</b> 0476	Compliance with Directive 93/42/EEC and following modifications
	Manufacturing date (month/year)
	Attention, consult operating instructions
	Operating instructions

	Not protected against liquids entrance, keep dry
	Relative humidity
	Admission temperatures
	Don't push the device
	Don't sit on the device
	Don't climb on top of the device

## Working instructions

- 1) Connect cable to the domestic plug 220-240 VAC, then turn ON the ON/OFF switch;
- 2) Wear the applicators

**N.B.** The two machine outputs can be used indifferently with any accessory.

### a) *Leggings use*

- i) *Wear the leggings and close the zip up to the end, then close the retaining Velcro straps; in case of wide circumferences legs, connect the extensions available as accessories;*



- ii) Insert the pressure plantars under the feet;*
- iii) When wearing the leggings pay attention to position the tubes connection cables in the internal side of each legging;*
- iv) Connect 6 tubes to the 6 plugs positioned on each legging, paying attention to connect the longer tube to the higher position connector of legging (thigh): both the longer tube and the higher position connector have a darker color;*
- v) After connecting the tubes to the relatives leggings, connect the tubes to one of the two air discharge outputs.*

**b) Abdominal band use**

- i) Wear the band and connect the tubes to the band plugs, paying attention to connect the longer tube to the higher position connector on abdominal band;*
- ii) After connecting the tubes to the band, connect the tubes to one of the two air discharge outputs.*

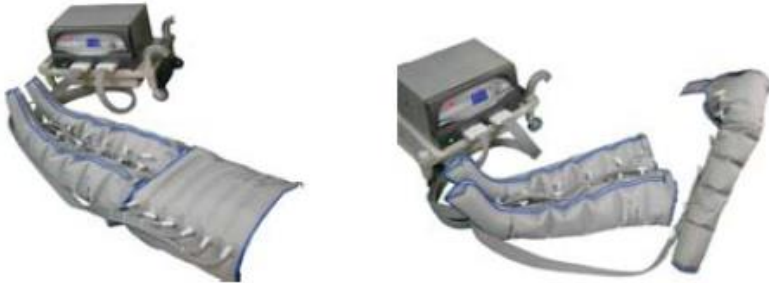
- iii) *When using only a single output pay attention to close the free output with the air stopped jack (equipped with the body machine).*

**c) Armband use**

- i) *Wear the armband and connect the tubes to the armband plugs, paying attention to connect the longer tube to the higher position connector on armband;*
- ii) *After connecting the tubes to the armband connect the tubes to one of the two air discharge outputs.*
- iii) *When using only a single output pay attention to close the free output with the air stopped jack (equipped with the body machine).*

**d) Simultaneous use of abdominal band and leggings**

- i) *Wear the leggings (please read Leggings use paragraph) and the abdominal band (please read Abdominal band use paragraph);*
- ii) *Insert the pressure plantars under the feet;*
- iii) *Connect 12 tubes of the two derivations connection tubes to the 12 plugs positioned respectively on two leggings (6 plugs on left legging + 6 plugs on right legging). Paying attention to connect the longer tube to the higher position connector of legging (thigh).*
- iv) *Connect 6 tubes of 1 derivations connection tube to the 6 plugs positioned on the abdominal band.*
- v) *After connecting the tubes to the leggings and to the abdominal band, connect the tubes to the air discharge outputs.*



*N.B. Follow the same instructions in case of simultaneous use of armband and leggings.*

3) Program selection (*MODE* selector on graphic display)

a) *Select the program by pressing on MODE button. There are 5 different programs:*

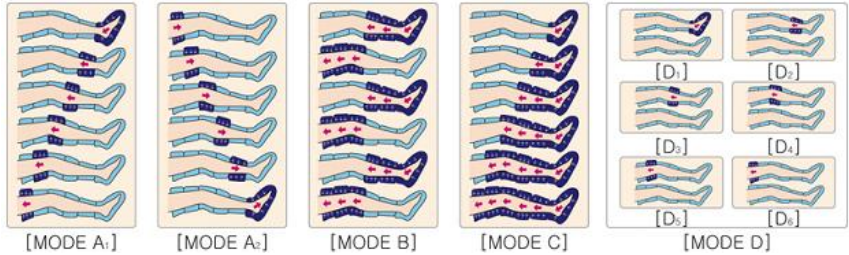
*A1: Air flows in compression chambers till they reach pressure regime. Then air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers in a distal-proximal way.*

*A2: Air flows in compression chambers till they reach pressure regime. Then air flows in the sixth chamber (upper limb) according to adjusted pressure and sequentially in the other chambers in a proximal-distal way.*

*B: Air flows in compression chambers till they reach pressure regime. Then air flows in the first three chambers. When adjusted pressure is reached air flows in the last three chambers (distal-proximal way).*

*C: Air flows in compression chambers till they reach pressure regime. Then air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers (distal-proximal way) by keeping swelled up the previous chamber every time.*

*D(1-2-3-4-5-6): Air flows in compression chambers till they reach pressure regime. After that air flows only in the selected compression chamber (mode D1 chamber 1; mode D2 chamber 2; ....; mode D6 chamber 6).*



4) Speed selection (SPEED selector on graphic display)

- a) *Select airflow speed by pressing SPEED button. You can choose between 8 speed levels.*
- b) *It's not possible to change airflow speed during the treatment.*



5) Therapy time selection (TIMER UP/DOWN selector on graphic display)

- a) *Therapy time can be adjusted from 0 to 99 minutes by pressing UP (increase) and DOWN (decrease) buttons (by step of 5 minutes);*
- b) *We suggest to start with treatment of 5-10 minutes and increase it progressively according to your needs.*

- c) *It's not possible to change therapy time during the treatment.*
- 6) Pressure selection (selector on the graphic display)
- a) *Pressure can be adjusted from 0 to maximum pressure (240 mmHg  $\pm$  10%) by rotating the knob in clockwise;*
  - b) *Air start to flow in the compression chambers when it's exceeded 10 mmHg;*
  - c) *Start the treatment with a middle pressure and increase it progressively according to your needs.*
- 7) Therapy start (START/STOP selector on the graphic display)
- a) *Press START/STOP button to start the therapy; any moment it's possible to stop the treatment pressing again START/STOP button (the device memorizes the adjusted time);*
  - b) *Press STOP button to stop definitively the therapy and turn OFF the ON/OFF switch.*

## Troubleshooting


<b>Problem</b>	<b>Solution</b>
Power Q-6000 Plus doesn't switch on	<ul style="list-style-type: none"> <li>• Check the connection to the domestic plug</li> <li>• Check the ON/OFF button</li> <li>• Check the power supply status (no sign of damages)</li> </ul>
Power Q-6000 Plus emits a strange sound like air leakage	<ul style="list-style-type: none"> <li>• Check if there are any damages and/or holes in the tubes and connectors</li> <li>• Check the applicators right connection to the main body</li> <li>• Check if the tubes are pressed or bent</li> </ul>

<p>There is no pressure or the air doesn't go into the chambers</p>	<ul style="list-style-type: none"> <li>• Check the applicators right connection to the main body</li> <li>• Check if the tubes are pressed or bent</li> <li>• Check if the compression chambers swell up in a progressive way</li> </ul>
<p>Air goes into the compression chambers and/or an air leakage is present in the applicators</p>	<ul style="list-style-type: none"> <li>• Check if there are any holes or damages in the compression chambers. If there are not any air leakages, switch off the device then switch on it and re-check the right working</li> </ul>

## Warnings


The following warnings guarantee user safety and prevention against damages and/or lesions.

Please read it carefully before using Power Q-6000 Plus.



**Warning**


In case of not following the instructions, the user may suffer from injury or death.




**Cautions**

In case of not following the instructions, the user may suffer from injury or property damage.


**Indications**




This is a restriction indication.



This is an indication for following properly.







This is an indication for not disassembling.












This is an indication for unplugging the power cord from the wall outlet.



<p>Do not use the device in presence of acute inflammations or injuries. Infections risk</p>	<p>Please consult the doctor in case of cancer, intestinal problems, fractures, acute thrombosis and other invalidating pathologies.</p>
	
	

 **Warning**

<p>Do not use the device if you feel pain or bad feelings</p>	<p>Do not exceed 20 minutes in the first treatments. We suggest to start with treatments of 5/10 minutes</p>
	
	
<p>Use only in consenting adults.</p>	<p>Attention do not spill liquids or any substances on the device. Liquid penetration could damage the device.</p>
	
<p>In case of suspected malfunctioning do not open or repair the device. Do not use the device. Electric shock risk. Contact the distributor or fabricant.</p>	<p>Do not connect or disconnect the device from domestic plug with wet hands. Electric shock risk.</p>
	
	

Use the device only with 220V power supply. Electric shock risk. Disconnect the device from domestic plug when not in use.



Do not press, bend or damage the electric cable. Electric shock risk.



Avoid to connect more devices to the same multiple plug. Overheating risk



Avoid device hits or drops.






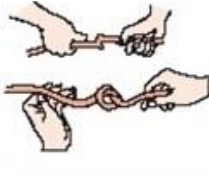


**Caution**

Use the device only for expected purposes.



Do not expose the device to the sun and do not storage it next to heat sources.



<p>Do not place any objects on the device or on its parts (connector tubes, applicators, etc.)</p> 	<p>If you not use the device for a long time or if you use the device in cold places, a malfunctioning may happen: make it operating by changing progressively the intensity for 3-4 times</p> 
<p>Clean the device using a dry soft cloth. Do not use cleaning solvents or other chemical substances in order to avoid any damages.</p> 	<p>Do not bend or tie the connection tubes.</p> 
<p>Use the device only for expected purposes.</p> 	<p>Product subject to WEEE regulations concerning separate waste collection of electronic equipment.</p> 

## Maintenance, carriage and storage

If it is used in accordance with the instructions of the user manual, the device does not need a particular regular maintenance.

### Carriage precautions

It doesn't need any particular carriage precautions: however we recommend to put away Power Q-6000 Plus and its accessories in their own box after every treatment.

## Storage precautions

Power Q-6000 PLUS is protected till following environmental conditions:

Outside of the packaging	
temperature	from +5 to + 40 °C
humidity	from 30 to 80%
pressure	from 500 to 1060 hPa

Inside of the packaging	
Temperature	from -10 to +55 °C
Humidity	from 10 to 90%
pressure	from 500 to 1060 hPa

## Warranty

Concerning the warranty make reference to the national laws by contacting the national distributor (or directly the fabricant IACER).

## Assistance

Every intervention on device must be performed by manufacturer. For any assistance intervention contact the national distributor or:

**I.A.C.E.R. S.r.l.**

Via S. Pertini, 24/a • 30030 Martellago (VE) -ITALY  
Tel. 041.5401356 • Fax 041.5402684

You can get any technical documentation on spare parts but only prior business authorization.

## Spare parts

Contact the distributor or the fabricant for original spare parts at following address:

**I.A.C.E.R. S.r.l.**

Via S. Pertini, 24/a • 30030 Martellago (VE)

Tel. 041.5401356 • Fax 041.5402684

To preserve product warranty, functionality and product safety we recommend to use only original spare parts.

POWER Q-6000 Plus is manufactured by:



IACER Srl is the mandatory nominated by the manufacturer in the European Community with regard to Power Q-6000 Plus. Power Q-6000 Plus is an exclusive distribution of IACER SRL.

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**I.A.C.E.R.S.r.l. SU**

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