FP 250 DIGITAL

PROFESSIONAL COMPRESSION THERAPY

Digitally signed by Armaşu Sergiu
Date: 2026.03.20 12:06:54 EET
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Location: Moldova
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DEVICE AND ITS GARMENTS

Digital base unit	250UBD
Left leg sleeve/7 sectors	250G7L
Right leg sleeve/7 sectors	250G7R
Left foot sleeve	000PNVL
Right foot sleeve	000PNVR
Arm Sleeve (8 sectors)	250B8
Arm sleeve with separate Hand (8 sectors)	250B6M2
Abdominal strip (2 sectors)	000FA2
Professional Duplication Set	100SD8

USE AND INDICATION

The Fisiopress FP 250 DIGITAL device is an outpatient system highly recommended for venous and lymphatic pathologies, to drain the liquid component of fluids, deflate the limb and restore normal pressure balance. The operative cycle, rapid and efficient, together with the practical and ergonomic design of the garments (easily manageable by the operator via the simple professional duplicating set) allows you to exercise effective compression and reduce edema in a short time.
The system, despite being professional is small in size and can be easily placed in all medical surgeries/ or clinics and does not require any maintenance. It can be easily moved together with the group of garments without removing any connection, thus facilitating the management of the medical bed when it is to be used for different therapies.
In professional use they are available simple guidelines for an appropriate use of the instrument, which, related to an appropriate scientific literature, allow to obtain the best results of this method. It is always advisable to include the compression therapy within a protocol integrated therapeutic.
This device can also drive an arm sleeve with a separate hand for the treatment of secondary lymphedema particularly present in the patient's hand
The device has a medical CE mark

ARM WITH SEPARATE HAND

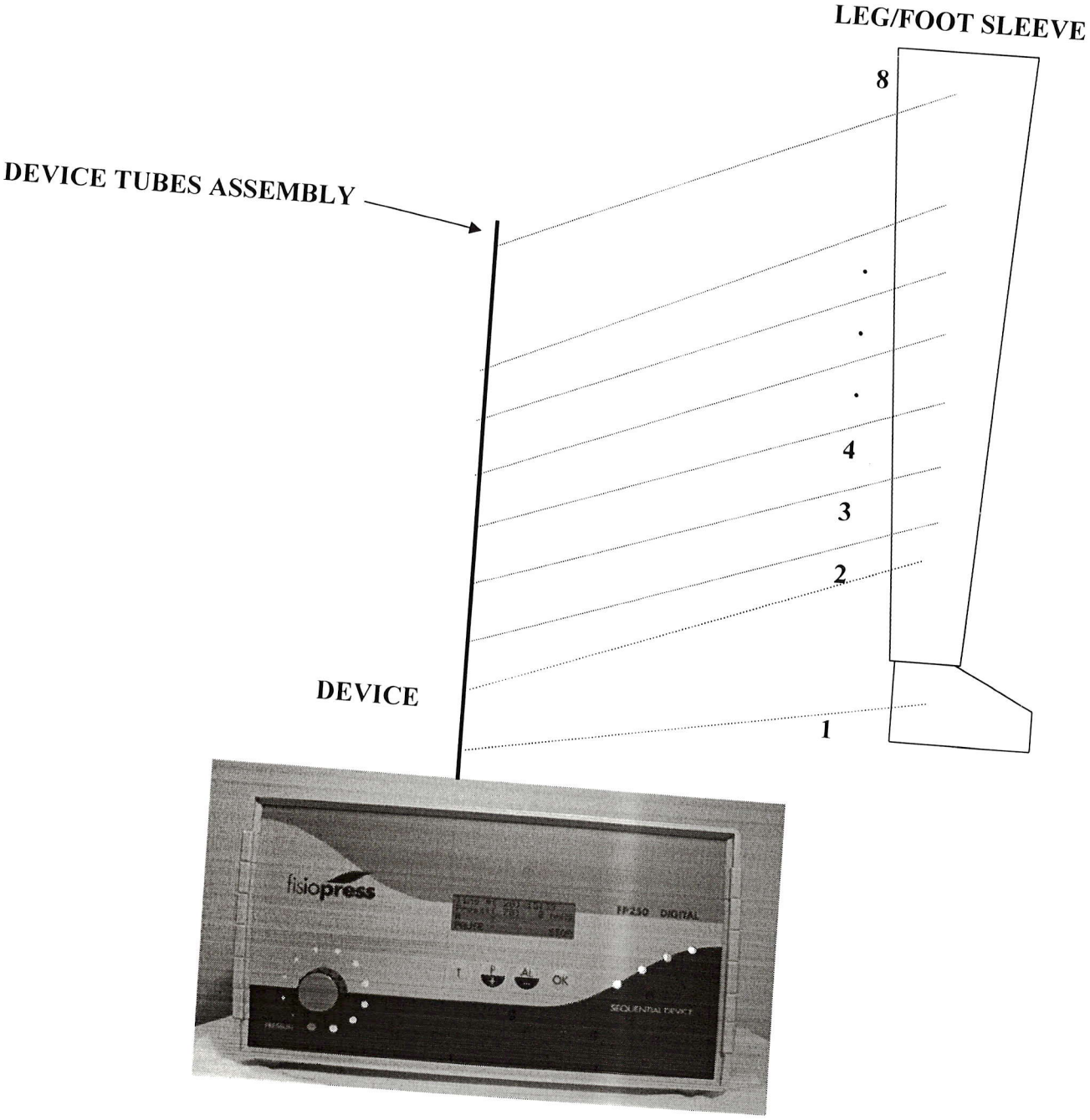
DIGITAL DISPLAY

INTERNAL PNEUMATIC BAGS PARTIALLY OVERLAPPED

TECHNICAL FEATURES

- Sequential compression therapy with distal-proximal pressure gradient distributed on 8 outlets, capable to simultaneously treat one or two limbs.
- Pressure range: 0 - 160 mm of Hg. (on an applied garment.
- Operating cycle: 30 seconds.
- Large digital display for viewing pressure and time values programmed treatment and remaining time.
- Pre-set alarm thresholds.
- Graph of pressures and programmable functions.
- High pressure alarms (audible and automatic shutdown.
- Alarms on low pressures (acoustic, due to disconnection of connection..)
- Electronic adjustment of the treatment time, both automatically and manually.
- DASC system (Distribution to communicating sectors): this system, unique to Fisiopress, allows have an always homogeneous pressure in all the chambers as they fill up with air, thus allowing the terminals to adapt to the geometry of the treated limb and compress it evenly without danger of stagnation or reverse flows.
- Automatic shutdown at the end of therapy during deflation.
- Garments available for lower limb: leg and foot (8 sectors), separated for a better fit and adaptation to the length of the treated limb. Four possibilities of size adjustment circulate through special zip fasteners.
- Possibility of connecting a couple of leg sleeves and the abdominal strip at the same time.
- 2 Sectors Abdominal strip (2 sectors)
- Garments available for upper limb: Arm Sleeve (8 sectors). Three adjustment possibilities of circular size via special zip fasteners.
- All garments have parallel and partially overlapped internal pneumatic sectors.
- Possibility of individual replacement of each internal pneumatic bag.
- Entirely hand-sewn garments.
- Medical CE mark

FISIOPRESS FP 250 DIGITAL : LEG/FOOT SLEEVE CONNECTION



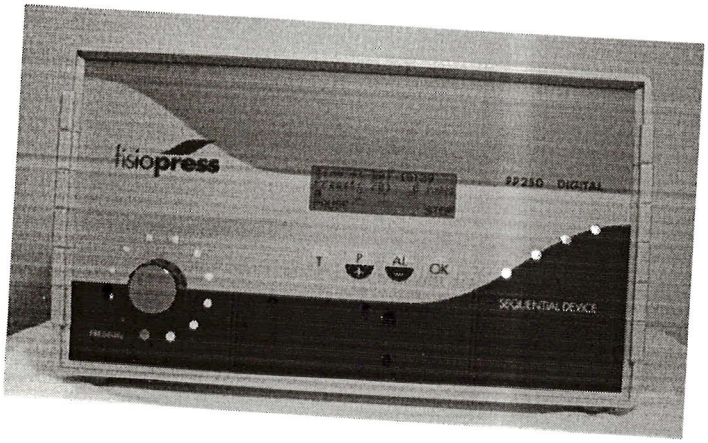
FISIOPRESS

USER MANUAL

FP 250 DIGITAL

SEQUENTIAL COMPRESSION THERAPY

REVISIONE 1.3/25



FISIOPRESS SRL
VIA MORI 6 40054 PRUNARO DI BUDRIO (BO) ITALY
TEL. 0039 051 6920809 E-mail info@fisiopress.com

ATTENTION: BEFORE UTILISING THE DEVICE IT IS ABSOLUTELY NECESSARY READ THIS INSTRUCTION MANUAL CAREFULLY.

CAUTION FOR SAFETY

- Before utilising the device read this instruction carefully, observing the contained indications.
- During the test, please, ask any information you need, before using the device for the first time.
- The device and its accessories must be utilised under the medical prescription and the control of a doctor.
- The improper use of the device is not expected.
- The device is not to be autonomously used by disabled, handicapped and incapable people.
- The device must not be autonomously utilised by under ages.
- The device must be used under the supervision of the operator who periodically check its correct working.
- Be sure that the voltage of the electric power is 220 – 230 Volt , 50 Hz.
- Check periodically the power cord.
- Insert and remove correctly the power cord from the socket. Do not stretch the power cord.
- Protect the power cord from oils, corrosive materials, cutting objects and heat.
- Do not set the device near to heat sources.
- The device can not be utilised in presence of inflammable gas.
- The device cannot be utilised when it is moist.
- The present contents do not replace the doctor's prescriptions but are auxiliary information to use correctly the device.
- The device must be submitted to revision, maintenance and tests following the rules now in force.
- Keep the device in airy room, for a correct internal air circle.
- Do not lay the device over soft surfaces (bed, armchair, carpet,...) because they obstruct the correct internal air circle.
- When the treatment is finished switch off the device, remove the power cord from the socked and set the device in a dry and not dusty place, far from children and animals.
- Take care about external PVC tubes: do not squeeze or stretch them.
- In case of damage not mentioned in this manual , avoid repairing the device by yourselves but contact dealer service.
- Perspective half life of the device is ten years: after this time, if it must be demolished, the operation must be done by qualified people in specialised centres. The sleeves (leg, arm, boot, abdominal strip, etc....) are considered hospital residues.

SEQUENTIAL COMPRESSION THERAPY SYSTEMS

Modern therapy for lymphatic and venous disease is no longer conceivable today without the technique of intermittent compression. Alongside bandages and compression stockings, the intermittent compression therapy is an integral component of therapy plan. Its effectiveness and value rating are scientifically substantiated.

FISIOPRESS is a pneumatic device which acts physiologically on affected limb. Pressure is exerted by parallel and overlapped sacs set in a sleeve, designed for leg or arm. which is fitted to the affected limb.
The system operates in 30 seconds automatically timed cycle consisting of two intermittent phases: compression and decompression.

During compression phase (inflation mode) the air chambers, in the anatomical sleeves, are filled continuously with air from distal to proximal in such a manner that filling of an air chamber only starts when the preceding air chamber has reached the desired treatment pressure.

The pressure in the sacs rises sequentially, from sac to sac, forcing the fluid in a proximal direction only. The overlapping of the chambers ensures a smooth flow and prevents gaps between the chambers. All the sacs remain filled with air until the final chamber has also reached the set treatment pressure. The air is than allowed to escape from all the air sacs at the same time (deflation phase). In this way the extremities are compressed intermittently and only in ascending direction.

The exclusive internal system D.A.S.C. (Air communication among all the internal pneumatic sacs) assures that the apparatus exerts the same pressure in all the points of the treated limb and the pressure manometer displays the real pressure exerted by the machine.

INDICATIONS

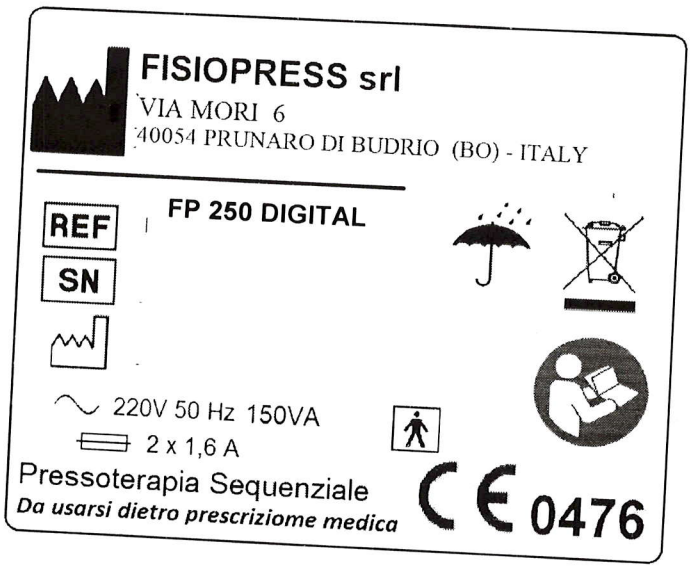
primary and secondary lymphoedema
chronic oedema of venous origin
lipoedema
painful varicose veins
chronic venous insufficiency
ulcus cruris (with o without oedema)
ligature of the vein (post-operatory crossectomy or stripping operation)
paralysis of the lower limbs
long standing muscular inactivity
the control and the relief of oedema associated with post mastectomy conditions
thrombosis prophylaxis

CONTRAINDICATIONS

acute thrombosis
acute lung oedema
acute infection of the affected limb
erisipelas
decompensated cardiac failure
malignant tumours

LABELING

Identification label of the instrument
This label identifies the manufacturer, the type of instrument, the serial number and Food (characteristics of the power):



SYMBOLS

The following are the symbols used in this manual and the labeling of the device with the description of the significance of each image:

FISIOPRESS srl VIA MORI 6 40054 PRUNARO DI BUDRIO (BO) - ITALY	MANUFACTURER OF MEDICAL DEVICE		
REF	MODEL / TYPE The Model identifies the product family, while Type identifies the device family	SN	It indicates the serial number (serial number) of the device
	Symbol indicating: Warning carefully read the instructions for use		Date of Manifacture (Symbol)
	Type BF		
	Symbol protect water		Symbol indicating product disposal as provided for electronic equipment
CE 0476	CE mark indicating the number of notified body "KIWA-CERMET"		
220V 50 Hz 100VA	Power information		
2 x 1,6 A	Fuses information		

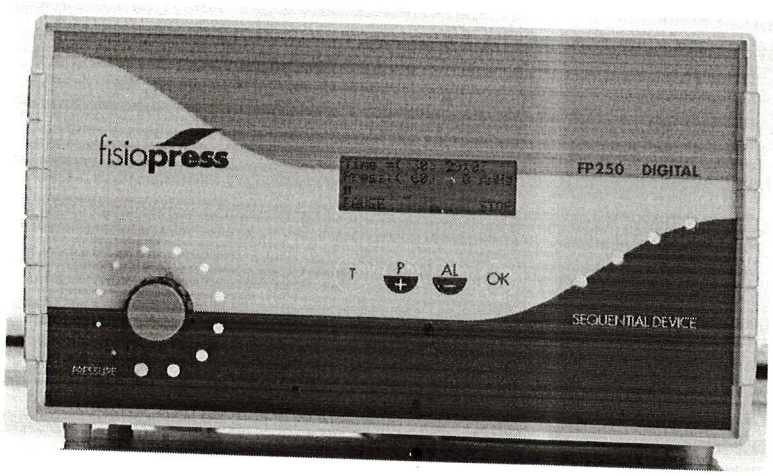
SYSTEM CONFIGURATION

The standard configuration of the FP 250 DIGITAL device includes : The base Unit, The power cord, the instruction manual, the CE certificate and warranty papers.

OPTIONAL:

ITEM	CODE
Leg 7 Sectors sleeve RIGHT	(0250G7R)
Leg 7 Sectors sleeve LEFT	(0250G7L)
Boot RIGHT	(000PNTR)
Boot LEFT	(000PNTL)
Full Leg Boot 8 sector RIGHT	(0250G8R)
Full Leg Boot 8 sector LEFT	(0250G8L)
Arm 8 Sectors	(0250B8)
Duplication Set FOR LEGS	(0250SD8)
Abdominal strip 2 Sectors sleeve	(000FA2)

FRONT PANEL



The FP 250 Digital device has a very friendly front board.
In the mid of panel there is a digital display and, under it, four push buttons (T, P, AL, OK) which correspond to the functions showed by the fourth line of the display according to the selected program.
Five leds are present in the right side of the panel: the first four show the direction of the sequential operative cycle, distal to proximal (left to right), which lasts 30 seconds each time.
The knob for the regulation of the pressure is on the left side of the front panel. Turn the knob anticlockwise to reduce the pressure, and clockwise to increase the pressure.

OPERATIVE NOTE: ADJUST THE PRESSURE ONLY WHEN THE DEVICE IS SWITCHED ON BECAUSE, IN THIS WAY, THE PRESSURE EXERTED BY THE SYSTEM ON THE TREATED LIMB (OR LIMBS) THROUGH THE EXTERNAL SLEEVE (OR SLEEVES) WILL BE THE SAME PRESSURE RED ON THE DIGITAL DISPLAY.

REAR PANEL

On the upper right side, there is the tubes assembly (8 tubes), which connect the device to the sleeve (or sleeves through the duplication set). Under the tube assembly there are the power switch, the fuses and the power socket.
All the information about the device, its serial number and rules are written in the white label.

UNPACKING AND SETTING UP

- Remove base units, tubes assembly and sleeves from packages. Save cardboard box in case return is necessary.
- Check that the room power system where the device is used follows rules now in force.
- Take care that the base unit power cord is correctly plugged into a grounded AC receptacle of the correct voltage.

EXTERNAL CONNECTIONS

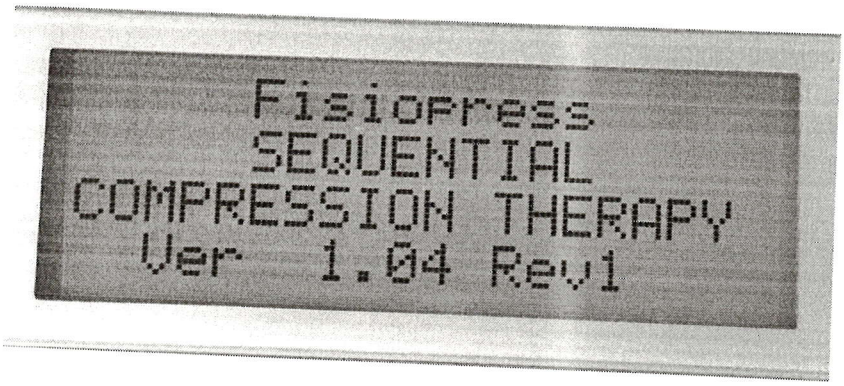
The Base Unit tubes assembly should be directly connected to the arm or leg sleeve if the operator uses only one sleeve. The Base Unit tubes assembly should be connected to the duplication set if the operator uses a double sleeve (example: two leg sleeves).

PROCEDURE FOR OPERATION OF THE APPARATUS

INTRODUCTION

GENERAL

ONCE THE FP 250 DIGITAL DEVICE IS TURNED ON USING THE SWITCH ON THE REAR PANEL (ON POSITION), IT DISPLAYS A STARTUP SCREEN



WHICH APPEARS FOR A FEW SECONDS AND THEN DISPLAYS THE MAIN MENU.

TIME
PRESS ALARM 1
PRESS ALARM 2
Time AL1 AL2 GO

THE FOURTH LINE OF THE DISPLAY ALWAYS OFFERS THE ACTIVATION OF THE FUNCTIONS, THROUGH THE RELEVANT KEY BELOW

TIME
PRESS ALARM 1
PRESS ALARM 2
Time AL1 AL2 GO

T P/+ AL- OK

TIME

TIME IS THE THERAPY TIME. IT CAN BE SELECTED BY PRESSING THE "T" KEY UNDER THE RELEVANT TEXT. THE FOLLOWING WILL APPEAR:

TREATMENT LENGH
Time: _____ **min**
\+ -- **SAVE**

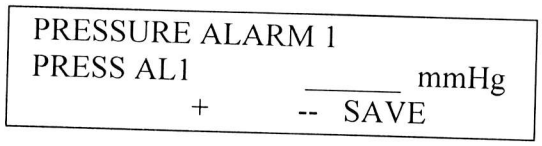
THE THERAPY TIME IS SET USING THE RELEVANT + AND - BUTTONS. BELOW 5 MINUTES, "MANUAL" APPEARS, INDICATING THAT THE INTERNAL TIMER IS

DISABLED AND THE DEVICE CAN ONLY BE TURNED OFF BY THE OPERATOR. THE MAXIMUM IS 100 MINUTES. THE STEP IS 5 MINUTES. AFTER THE TIME IS SET, PRESS THE "SAVE" BUTTON (OK BUTTON), WHICH RETURNS THE DISPLAY TO THE MAIN MENU.

ALARM 1 and ALARM 2

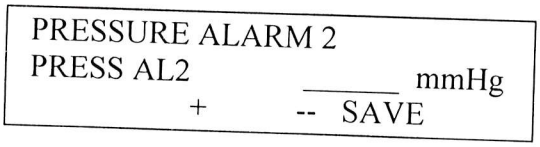
THESE ARE THE TWO ALARM THRESHOLDS FOR MAXIMUM PRESSURES. THE FIRST THRESHOLD (ALARM 1) INDICATES THE PRESSURE VALUE THAT, IF REACHED, CAUSES AN AUDIBLE ALARM WITHOUT STOPPERING THE DEVICE. THE SECOND THRESHOLD (ALARM 2) INDICATES THE PRESSURE VALUE, HIGHER THAN THE FIRST, WHICH, IF REACHED, TRIGGER A LOUDER ALARM THAN THE PREVIOUS AND SHUTS OFF THE DEVICE.

ALARM 1



USING THE RELEVANT + AND - BUTTONS YOU DECIDE THE PRESSURE VALUE YOU WISH TO SET AS THE FIRST ALARM. PRESS THE "SAVE" BUTTON TO SAVE. IF ADJUSTING THE PRESSURE EXCEEDS THAT VALUE, A LOW-NOISE ALARM WILL BE ACTIVATED.

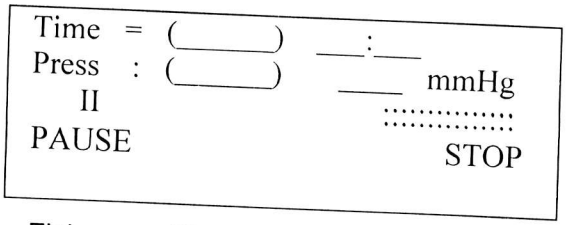
ALARM 2



USING THE RELEVANT + AND - BUTTONS, YOU CAN SET THE PRESSURE VALUE YOU WISH TO SET AS THE SECOND ALARM. THIS VALUE CANNOT BE LOWER THAN ALARM 1. PRESS THE "SAVE" BUTTON TO SAVE. IF ADJUSTING THE PRESSURE EXCEEDS THAT VALUE, A LOUD ALARM WILL TRIGGER AND THE DEVICE WILL STOP.

START OF TREATMENT

After selecting all the parameters (time, max pressure and alarm) the user has to push the button OK under the writing "GO" to start.
The standard operative cycle (compression and decompression) lasts 30 seconds: the first cycle is an internal setting of the device for the calibration of zero pressure value, while the second cycle (precycle) automatically initiates all the parameters. The standard treatment starts at third cycle.
The digital display shows:



The first line (Time) shows two values: the one, on the left, enclosed in brackets, indicates the treatment time chosen by the operator; the second one, on the right, the residue time.
The second line (Press) shows, on the left, enclosed in brackets, the max pressure value selected by the operator, and the pressure value in real time on the right. This is the pressure that the device exerts on the treated limb (or limbs).
The third line is a graphic representation of the real pressure (II), max pressure (X) and alarm thresholds (::::::).
The fourth line shows the parameters related to the four push buttons, placed under the digital display.

"PAUSE" and "STOP" allow the operator to set the device in pause or switch it off, pushing the buttons T or OK.
Pushing these buttons the operator can also change the parameter Time, Max pressure or Alarm, in any moment.

MINIMUM PRESSURE ALARM

The minimum value of the pressure threshold is an acoustic alarm which the device activates when the pressure value decreases under the relative threshold. This parameter is regulated by Fisiopress at 30 % of the Max pressure value.
Example: If the operator chooses 60 mm. of Hg. ,as max pressure, automatically, the device sets at 18 mm. of Hg. the minimum pressure value of pressure (30 % of 60 mm. of Hg.).
Under this pressure the device activates the acoustic alarm.
This alarm is useful when someone or more connectors are not well connected or in case some internal pneumatic sacs (of the leg, arm or boot sleeve) happen to break. In all those cases the pressure will decrease and this alarm will indicate it.

<ATTENTION> IT IS IMPORTANT TO POINT OUT THAT THE MAX PRESSURE VALUE MUST BE CLOSE TO THE TREATMENT PRESSURE IN ORDER TO CORRECTLY SET ALL THE ALARMS, PARTICULARLY, THE MINIMUM PRESSURE ONE.
IN FACT IF THE USER DECIDES THE PRESSURE TO BE 20 mm. of Hg. FOR THE PREATMENT, AND SETS AT 60 mm. of Hg. THE MAX PRESSURE VALUE, IT IS HIGHLY PROBABLE THAT THE MINIMUM PRESSURE ALARM WILL START, BECAUSE ITS VALUE IS 18 mm. OF Hg. (30 % OF 60 mm. of Hg. – MAX PRESSURE) WHICH IS VERY CLOSE TO 20 mm. of Hg. (TREATMENT PRESSURE).

END OF THERAPY

WHEN THE RESIDUE TIME IS ZERO, AND THE TREATMENT TIME IS FINISHED, THE DEVICE SWITH OFF AUTOMATICALLY, AFTER BRINGING TO AN END THE LAST DEFLATING PHASE OF THE OPERATIVE CYCLE.
This allows the operator to have empty sleeve (or sleeves) when he will take them away from the patient's limb (or limbs).
<ATTENTION> IN CASE OF POWER SHORTAGE, DURING THE TREATMENT, THE DEVICE, OF COURSE, WILL SWITCH OFF AND SLEEVES WILL SLOWLY DEFLATE.
WHEN THE POWER COMES BACK THE DEVICE IS READY TO START AGAIN WITH THE SAME PARAMETERS IN ADVANCE SELECTED BY THE USER.
IF THE POWER LACKS FOR A LONG TIME IT IS ADVISABLE TO SWITCH THE DEVICE OFF AND REMOVE THE SLEEVE (OR SLEEVES) FROM THE PATIENT'S LIMB (OR LIMBS).

SWITCHING THE DEVICE OFF

When the last treatment is over, and the device is in stand by, it is possible to switch the device off with the switch positioned on the rear panel of the machine.

PROCEDURE OF SETTING THE PRESSURE

The regulation of the pressure is one of the main points in the compression therapy use together with the regulation of the time and the rate of treatments.
All those parameters are well described and indicated in the international scientific literature and should be defined by the doctor who treats the patient.

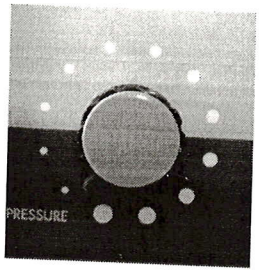
<ATTENTION> THE WRONG USE OF THE PRESSURE CAN BE DANGEROUS FOR THE PATIENT, ESPECIALLY IF THE OPERATOR USES HIGH PRESSURE VALUES.
WE STRONGHLY RECOMMEND YOU TO READ THE SCIENTIFIC LITERATURE ABOUT THIS SUBJECT.

Fisiopress devices are based on technical and scientific principles which assures users that the pressure which they read on the digital display is the actual pressure the sleeve (or sleeves) exerts on the treated limb (or limbs).

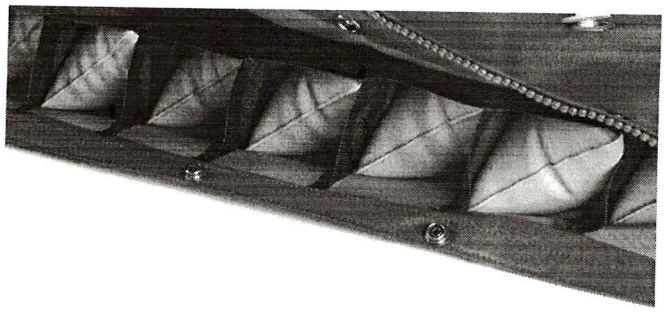
OPERATIVE NOTE: THE PRESSURE MUST BE REGULATED WHEN THE SYSTEM IS SWITCHED ON. THIS IS WHY THE DIGITAL DISPLAY READS THE PRESSURE IN THE INTERNAL SLEEVE SACS IN REAL TIME AND THIS CAN BE ONLY DONE WHEN THE DEVICE IS WORKING.

After the two first cycles (setting and precycle) the user can read the correct pressure value on the digital display in real time.
The regulation of the pressure is carried on with the grey knob on the left side of the front panel: turning it clockwise it is possible to increase the pressure, while, turning it anticlockwise it is possible to reduce the pressure.
When the operator increases or decreases the pressure, turning the knob, he will not see this variation immediately on the display, but during the next cycle. In fact the device changes the pressure in all the sacs, inside the sleeve (or sleeves) in the same time, avoiding any possibility to create a lace during the compression phase.

<ATTENTION> IN CASE THE USER DOES NOT SEE ANY PRESSURE VALUE CHANGES ON THE DIGITAL DISPLAY, DURING COMPRESSION OR DECOMPRESSION PHASES, OR IN CASE PRESSURE IS ZERO, OR EVEN NOT DISPLAYED, HE HAS TO CONSIDER ALL THESE SITUATIONS AS WRONG WORKING OF THE DEVICE.



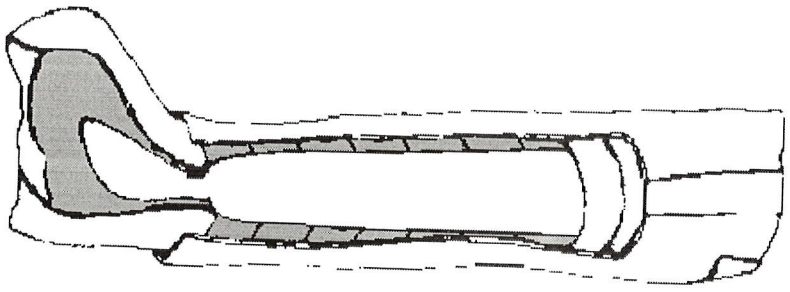
SLEEVES



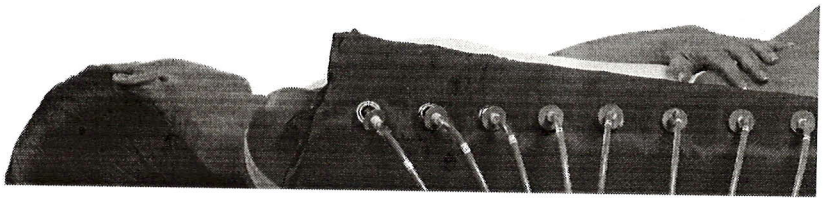
Fisiopress sleeves are made to take care of patient's maximum comfort and, at the same time, of exerting a correct and homogeneous pressure along the treated limb for any pressure selected by the user.
The sequential compression therapy needs a sequential pressure flow and it is a fundamental rule that this pressure is correctly applied on limbs.
At this purpose Fisiopress sleeves have an anatomical configuration, an optimal adherence to limbs and permit an uniform distribution of pressure along arms or legs.
A special internal lining allows parallel and partially overlapped pneumatic sacs, ensures a smooth flow and prevents gaps between the chambers.
This internal architecture also permits the individual change of each pneumatic sac without changing the whole sleeve.

<ATTENTION> THE POSSIBLE USE OF SOME CREAMS OR SIMILAR PRODUCTS, DURING COMPRESSION THERAPY TREATMENTS, SHOULD BE PRESCRIBED BY DOCTORS.

OPERATIVE NOTE: WE DID NOT FIND ANY CASE OF ALLERGY TO NYLON. HOWEVER WE SUGGEST TO USE A COTTON TUBE OS SAME TNT PROTECTION BETWEEN THE SLEEVE AND THE LIMB, FOR HYGIENICAL PURPOSES, AND TO AVOID UNPREDICTABLE PROBLEMS.



ARM SLEEVE



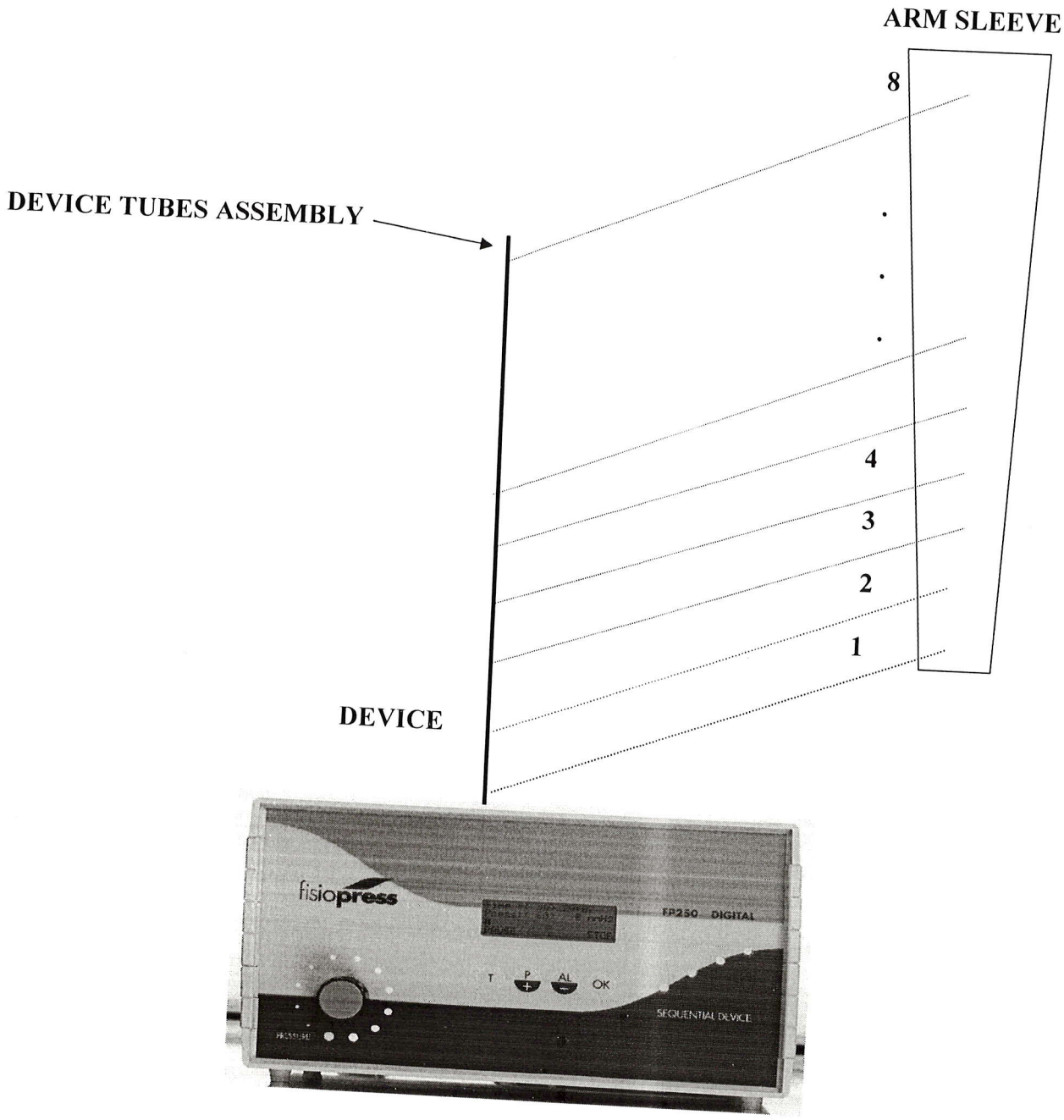
This sleeve is designed to cover the whole patient's arm, from the hand to the shoulder.
When the patient wears this sleeve it is better for his hand to be inside the sleeve: when the sleeve is inflated, the exerted pressure must start from the finger tip.

OPERATIVE NOTE: CLOSE THE SLEEVE AROUND THE PATIENT'S ARM CHOOSING THE CORRECT ZIP WITHOUT PRESSING THE ARM ITSELF. THE PRESSURE MUST BE ONLY EXERTED WHEN THE SLEEVE IS INFLATED DURING THE COMPRESSION PHASE. CHECK THE SLEEVE HAS BEEN SMOOTLY APPLIED TO THE LIMB AND IS FREE OF ANY FOLDS OR TUCKS.

Connect the 8 female luer-lock connectors of the device tubes assembly to the 8 male luer-lock connectors of the arm sleeve, putting the n° 1 female luer-lock connector on the more distal male luer-lock connector of the sleeve.
Insert all the remaining female luer-lock connectors into the male luer-lock connectors of the sleeve taking care that the n° 8 female luer-lock connector is connected to the last male luer-lock connector on the shoulder side of the sleeve.

OPERATIVE NOTE: THE INSERTION OF A LUER-LOCK CONNECTOR MUST BE DONE SLIGHTLY PUSHING THE CONNECTOR ITSELF (MALE OR FEMALE) INTO THE COMPLEMENTARY LUER-LOCK CONNECTOR (FEMALE OR MALE) AND TURNING IT CLOCKWISE.

FISIOPRESS FP 250 DIGITAL : ARM SLEEVE CONNECTION



LEG/FOOT SLEEVE

The leg/foot sleeve is designed to cover the patient's leg from his foot to the groin.

Fisiopress produces the following leg/foot sleeve:

- Leg sleeve and foot (boot) coming in two separated items

In case the user has chosen the leg sleeve separated from the foot (boot), these steps are to be followed:

1. Close the boot around the foot with the zip
2. Set the leg sleeve around the leg partially overlapped to the boot so that the sleeve totally cover the patient limb.
3. Select one of the four zips to close the sleeve.

As a matter of fact leg sleeve and separated foot (boot) are very useful to cover the whole leg length.

OPERATIVE NOTE: CLOSE THE SLEEVE AROUND THE PATIENT'S LEG CHOOSING THE CORRECT ZIP WITHOUT PRESSING THE LEG ITSELF. THE PRESSURE MUST BE ONLY EXERTED WHEN THE SLEEVE IS INFLATED DURING THE COMPRESSION PHASE. CHECK THE SLEEVE HAS BEEN SMOOTLY APPLIED TO THE LIMB AND IS FREE OF ANY FOLDS OR TUCKS.

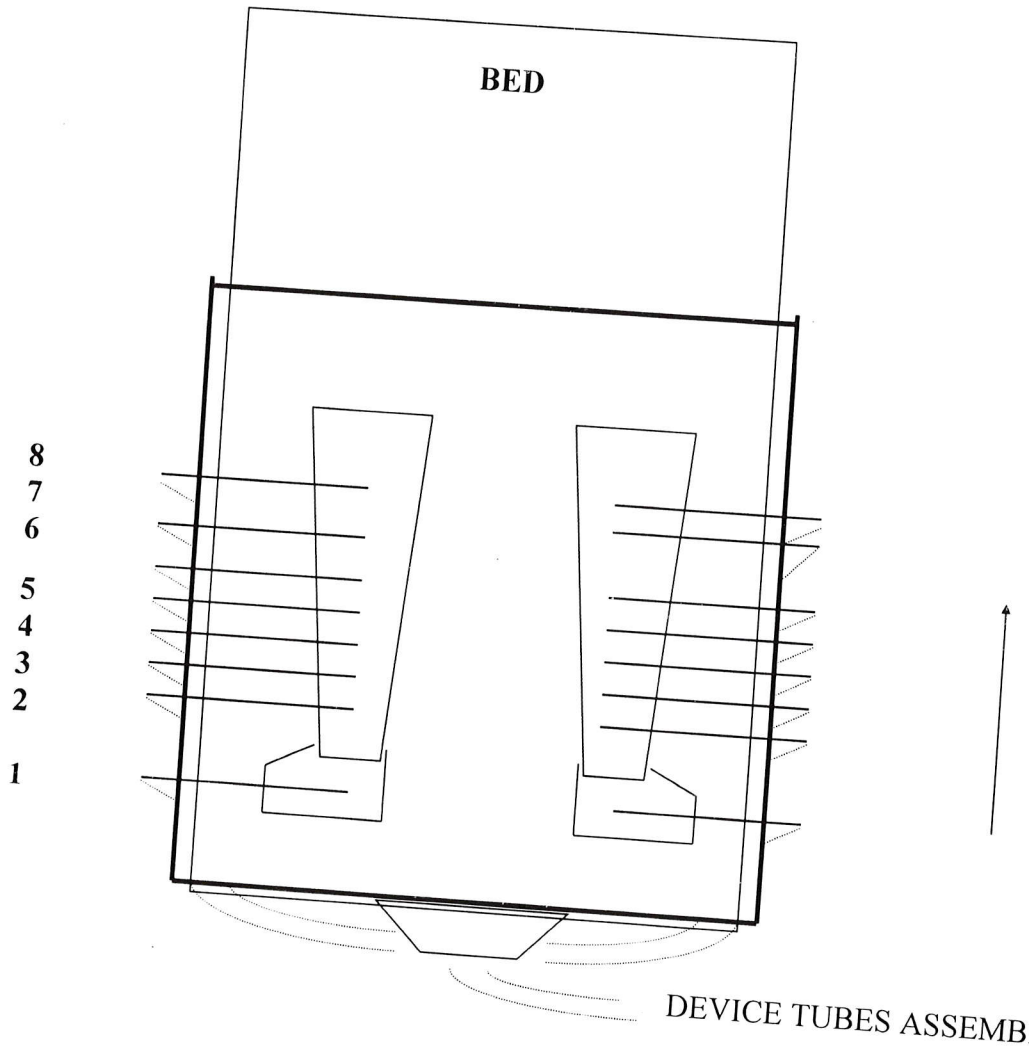
The single sleeve has only one zip and is more particle and simple to use.

To connect one leg sleeve (for both the different sleeves) these steps must be followed:
Connect the 12 female luer-lock connectors of the device tubes assembly to the 12 male luer-lock connectors of the leg/foot sleeve (single or separated is the same), putting the n° 1 female luer-lock connector on the more distal male luer-lock connector of the sleeve (foot).
Insert all the remaining female luer-lock connectors into the male luer-lock connectors of the sleeve taking care that the n° 12 female luer-lock connector is connected to the last male luer-lock connector on the hip side of the sleeve.

OPERATIVE NOTE: THE INSERTION OF A LUER-LOCK CONNECTOR MUST BE DONE SLIGHTLY PUSHING THE CONNECTOR ITSELF (MALE OR FEMALE) INTO THE COMPLEMENTARY LUER-LOCK CONNECTOR (FEMALE OR MALE) AND TURNING IT CLOCKWISE.

DUPLICATION SET

The duplication set is designed to use at the same time two sleeves.
This system doubles the 8 device outputs in a very simple way. The connections of the duplication set are intuitive and are very well explained in the following design:

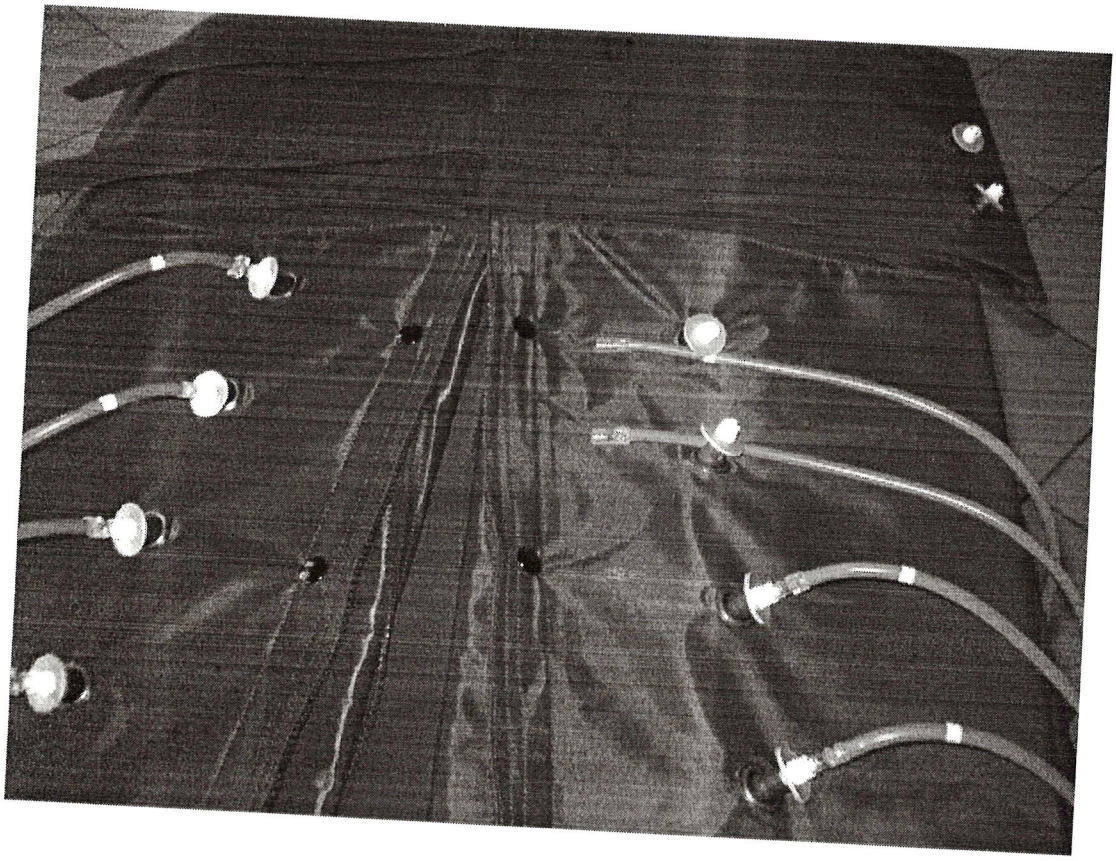


DEVICE TUBES ASSEMBLY

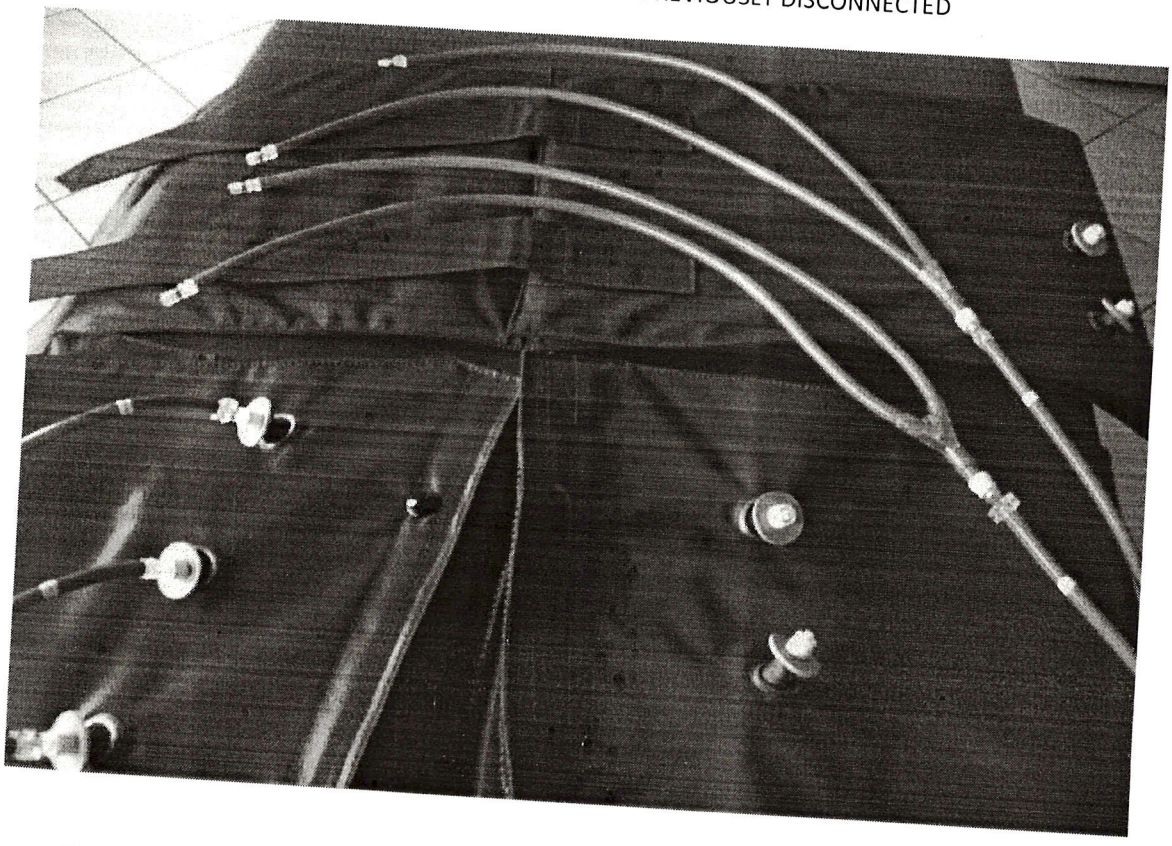
<ATTENTION> IT IS VERY IMPORTANT TO CONNECT ALL THE LUER-LOCK CONNECTIONS VERY WELL TO AVOID AIR LOOSING FROM THEM. PLEASE CHECK THE CONNECTIONS EVERY FOUR OR SIX MONTHS.

CONNECTING THE ABDOMINAL STRIP

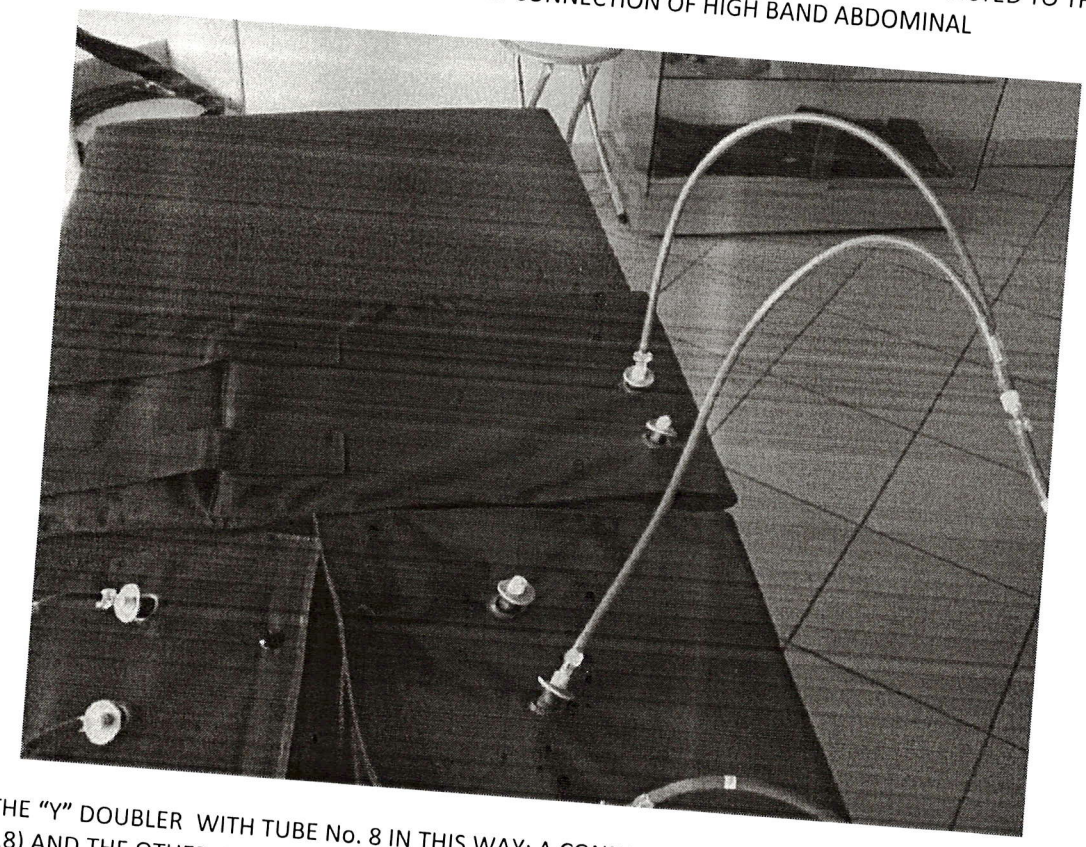
DISCONNECT 7th AND 8th SECTORS



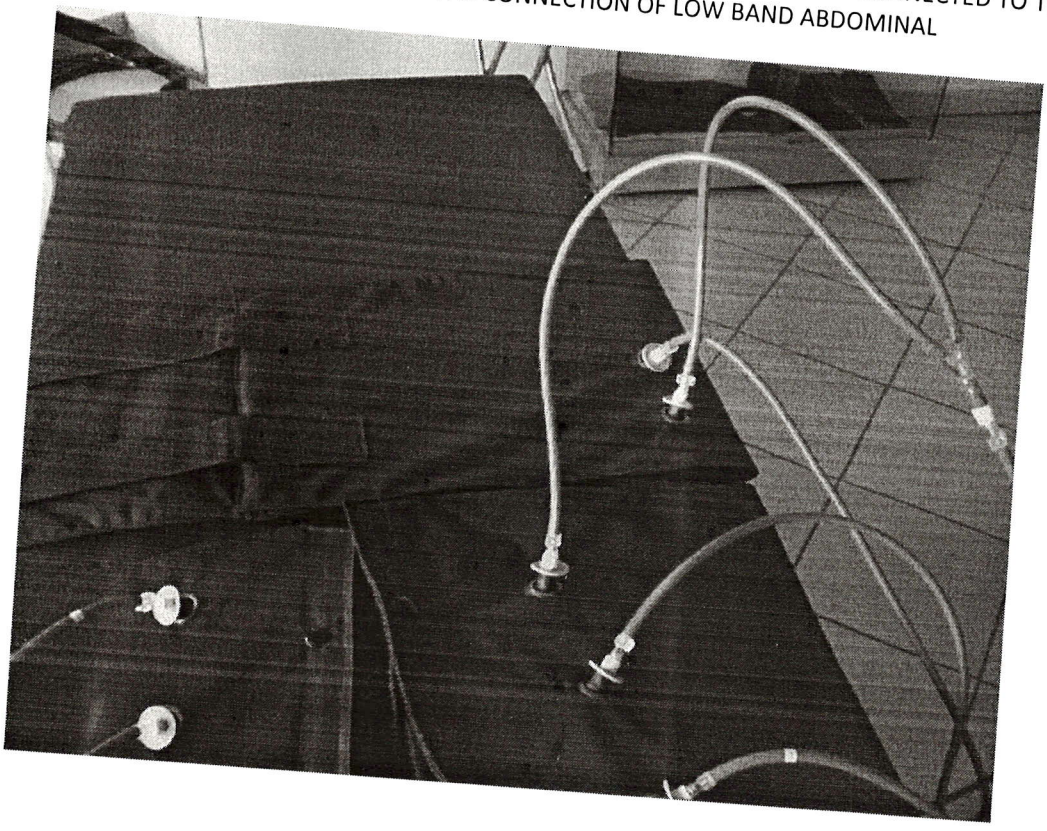
CONNECT TWO "Y" DUPLICATORS AT the 7 th AND 8 th PIPES PREVIOUSLY DISCONNECTED



CONNECT THE "Y" DOUBLER WITH TUBE No. 7 IN THIS WAY: A CONNECTION MUST BE CONNECTED TO THE FITTING OF LEG (No.7) AND THE OTHER CONNECTOR TO THE CONNECTION OF HIGH BAND ABDOMINAL



CONNECT THE "Y" DOUBLER WITH TUBE No. 8 IN THIS WAY: A CONNECTION MUST BE CONNECTED TO THE FITTING OF LEG (No.8) AND THE OTHER CONNECTOR TO THE CONNECTION OF LOW BAND ABDOMINAL



MAINTENANCE

<ATTENTION> PLEASE ALWAYS USE SPARE PARTS MANUFACTURED BY FISIOPRESS.

BASE UNIT

- Standard maintenance is not necessary.

- Replacement of the fuse must follow these steps:

1. Take care that the power cord is disconnected from power.
2. Unscrew the two fuse holders placed near the power socket.
3. Extract the two fuses and check them.
4. Replace the damaged fuse with a new one (1,6 ampere, 220 volt)
5. Screw the two fuse holders.
6. Connect the power cord to power socket.

- Cleaning of device external box:
    1. Take a slightly moist cotton cloth and clean the external side of the box.
    2. Dry it with a cotton cloth

- Extraordinary maintenance: follow the country rules about medical certification. In any case call the dealer service.

SLEEVES

The external material of sleeves is nylon, while the material of the internal sacs is PVC. As we said in the appropriate chapter, we suggest to use a cotton tube or a same TNT protection between sleeve and limb. This is also a good prevention to avoid sleeves becoming quickly dirty.

- Cleaning of the sleeves:
    1. Take a slightly moist cotton cloth and clean the sleeve with a soap o same standard detergent.
    2. Dry it with a cotton cloth

- Replacement of internal sacs. As we said in the description of sleeves it is possible to change each internal pneumatic sac separately, avoiding changing the whole sleeve. This is the procedure to follow:

1. Open all the black press buttons set on the open side of the sleeve.
2. Extract the white male luer-lock connector from the broken sac valve.
3. Pull out the broken sac from the sleeve inside.
4. Insert the new sac in the same position of the previous one, taking care it is well stretched and it has not any folds.
5. Connect the white male luer-lock connector to the new sac PVC valve, firmly pushing it.
6. Close all the black press buttons of the sleeve.

TECHNICAL FEATURES

TYPE	COMPRESSION THERAPY SYSTEM
PRODUCER	FISIOPRESS SRL, VIA GIACOMO BONI 20 63822 PORTO SAN GIORGIO FM ITALY
MODEL	FP 250 DIGITAL
SERIAL NUMBER	
DESCRIPTION	SEQUENTIAL PRESSURE WAVE THERAPY
PRESSURE RANGE (ONE SLEEVE)	0 - 120 mm. Hg. (+/- 5 %)
PRESSURE RANGE (TWO SLEEVES)	0 - 80 mm. Hg. (+/- 5 %)
OUTPUT NUMBER	8 x 2
WATER PROTECTION	IP 22
SIZE	H cm. 18, L cm. 30, P cm. 27.
WEIGHT	Kg. 5,0
NOISE	LESS THAN 30 dB
POWER SUPPLY	220 Volt 50 Hz.
FUSE	2 x 1,6 Ampere FAST
OPERATIVE LOOP	30 SECS.
INFLATING	24 SECS.
DEFLATING	6 SECS.
POWER	100 VA
STATEMENT OF CONFORMITY (CE)	KIWA-CERMET 0476

CE 0476

STANDARD APPLICATI :

EN 60601-1 terza edizione

EN 60601-1-2, EN60601-1-6 EN 62304

EN 14971 e ALTRE

DLG 24 02 1997 N° 46 DIRETTIVA 93/42/CEE e successive integrazioni

INFORMATION FOR THE END OF LIFE OF THE DEVICE

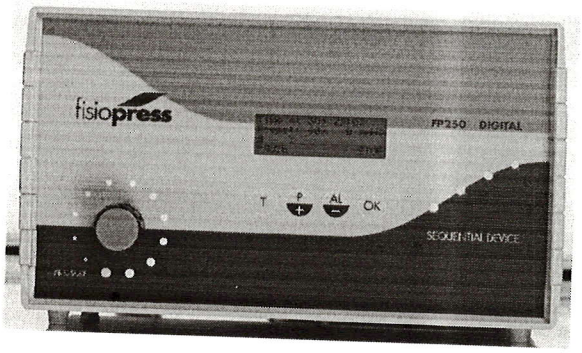
Pursuant to Legislative Decree no. 49 of 14 March 2014. Implementation of Directive 2012/19/EU on waste electrical and electronic equipment.

The symbol on the appliance indicates that the product must be disposed of separately from other waste at the end of its useful life. The separate collection of this appliance at the end of its useful life is organized and managed by the manufacturer. Users wishing to dispose of this appliance must contact the manufacturer or its representative to arrange for separate collection of the appliance at the end of its useful life. Adequate separate collection for subsequent recycling, treatment, and environmentally compatible disposal of the decommissioned appliance helps prevent potential negative impacts on the environment and human health and promotes the reuse or recycling of the materials from which the appliance is composed. Illegal disposal of the product by the owner is subject to administrative penalties under current legislation.

WARNINGS REGARDING ELECTROMAGNETIC INTERFERENCE The FP250 Digital product has been subjected to EMC tests for medical electrical equipment pursuant to the EN60601-1-2 standard. The FP250 Digital product does not require any special EMC precautions and must be installed and put into service in accordance with the EMC information contained in this manual, but only in a professional environment. Portable and mobile radio communications equipment (including transmission peripherals such as cables and antennas) can affect the operation of the FP250 Digital. It is therefore good practice to place them no closer than 30 cm from the FP250 Digital and its components. Otherwise, the FP250 Digital device may malfunction. Interference may occur in the vicinity of equipment marked with the following symbol. Based on the tests conducted, the following additional warnings are provided:

Il FP1000 Digital è adatto all'uso in un ambiente elettromagnetico specifico. L'acquirente o l'utente finale del prodotto deve assicurarsi che sia usato in un ambiente elettromagnetico come descritto sotto	
Test emissioni	**Conformità**
Emissioni RF irradiate e condotte CISPR 11	Gruppo 1
Emissioni armoniche IEC 61000-3-2	Classe A
Emissioni di fluttuazioni di tensione/sfarfallio IEC 61000-3-3	Classe A
Test immunità	Conforme
	Livello test (e di conformità) **EN60601-1-2** (valori massimi)
Scariche elettrostatiche (ESD) EN61000-4-2	± 8kV a contatto ± 15kV in aria
Transienti veloci/burst EN61000-4-4	± 2kV per linee di alimentazione di potenza ± 1kV per linee ingresso/uscita
Surge EN61000-4-5	± 1kV modo differenziale ± 2kV modo comune
Cadute di tensione, brevi interruzioni e variazioni di tensione sulla tensione di ingresso di rete EN61000-4-11	0% U_n per 0.5 cicli 70% U_n per 25 cicli 0% U_n per 5s
Campi magnetici alla frequenza di rete (50/60Hz) EN61000-4-8	30A/m
RF irradiata EN61000-4-3	3V/m 80MHz ÷ 2.7GHz
RF condotta EN61000-4-6	3V eff. 150kHz ÷ 80MHz

FISIOPRESS



FP 250 DIGITAL
SERVICE MANUAL
V. 01.1/15

FISIOPRESS VIA MORI 6, 40054 PRUNARO DI BUDRIO (BO) ITALY
TEL. 0039 051 6920809 FAX 0039 051 6931222 E-mail info@fisiopress.com

FISIOPRESS FP 250 DIGITAL: TECHNICAL FEATURES

PRESSURE OUTPUT: 0 -160 mm. Hg. (applied at a single garment)

TYPE OF OPERATING CYCLE: Sequential Cycle

CYCLE TIME: 30 Seconds

PHASES OF THE CYCLE: compressive (about 24 seconds) and the Decompression (about 6 seconds)

NUMBER OF OUTPUTS: 8 (redoubled by duplication set)

PRESSURE REGULATION: by control valve knob between 0 and 160 mm. of mm. Hg.

TIMER: electronically programmable and display of hours and minutes with the remaining time

ALARMS: programmable through display and buttons

BUZZER: buzzer and light

POWER SUPPLY: 220 V 50 Hz

POWER: 150 VA

FUSE: 2 x 1.6 A

WEIGHT: 8.0 Kg.

DIMENSIONS: 27 (WIDTH) x 25 (DEPTH) x 18 (HEIGHT)

PRODUCER

FISIOPRESS Sas
di OFFIDANI ALESSANDRO & C.
VIA GICOMO BONI N° 20
63822 PORTO SAN GIORGIO (FM)
TEL: 0039 0734 676 524
FAX: 0039 0734 678 228

ENTE CERTIFICATORE	KIWA-CERMET 0476
CLASSE (con rif. Direttiva 93/42)	II B
ANNO DI INIZIO PRODUZIONE	2000
CLASSE (con rif. EN 60601 - CEI 62-5)	I
TIPO (con rif. EN 60601 - CEI 62-5)	B

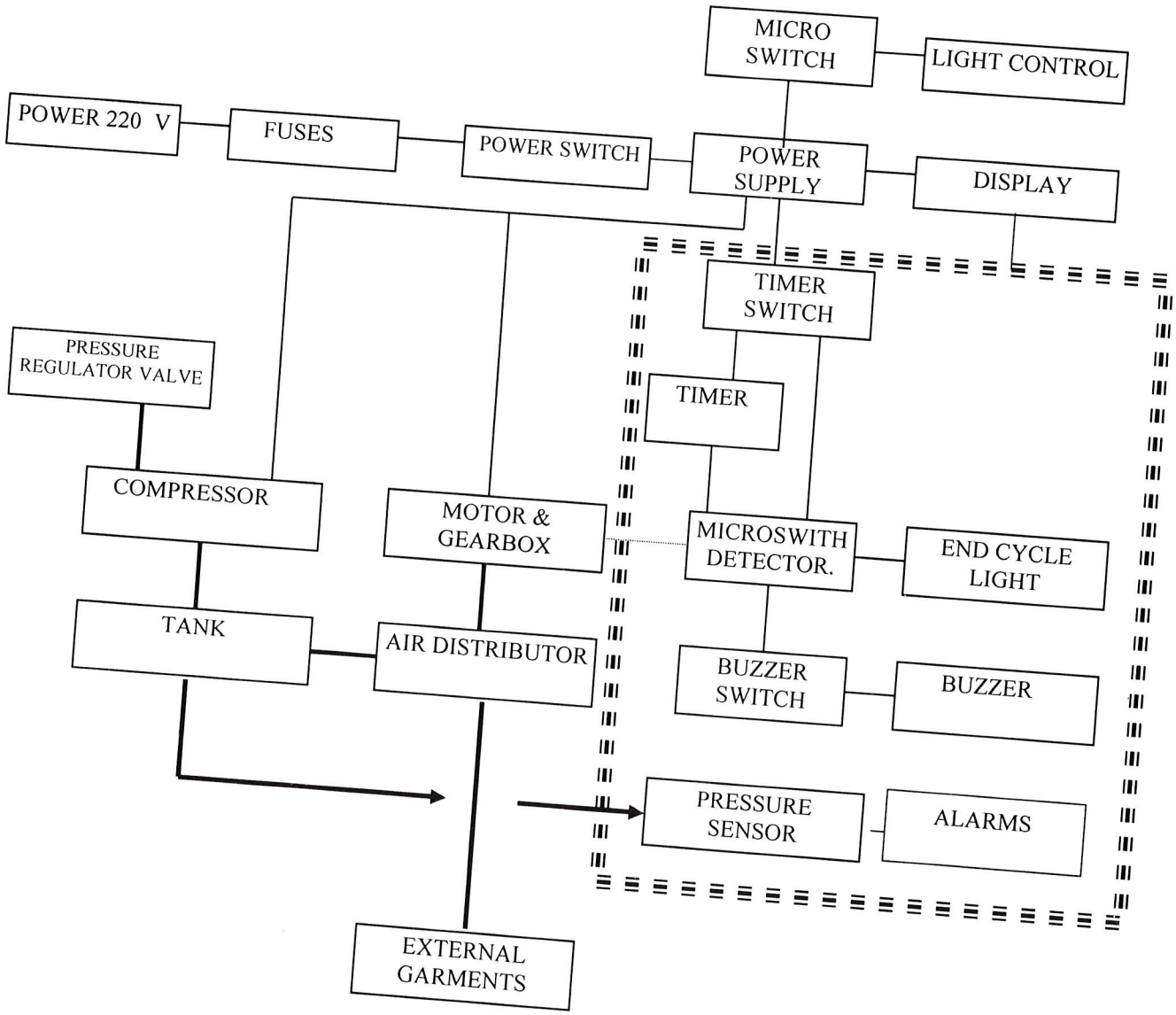
CE 0476

FISIOPRESS FP 250 DIGITAL: MAIN COMPONENTS

FISIOPRESS CODE	Q	DESCRIPTION	AVALAIBILITY
FP.98.001COM1000	1	COMPRESSOR CP 13	FISIOPRESS
FP.98.002MOTRID	1	MOTOR & GEARBOX 30 sec. 2rpm	FISIOPRESS
FP.98.004.SPINC	1	PLUG - PF0033	FISIOPRESS
FP.98.005.CAVO	1	POWER CORD PZ1100020	FISIOPRESS
FP.98.006.FUSE	2	FUSE 5x20 SF 1,6 A	FISIOPRESS
FP.98.007.INTV	1	SWITCH 16A I4715	FISIOPRESS
FP.98.A01.DIS250	1	AIR DISTRIBUTOR 8 OUTPUTS	FISIOPRESS
FP.98.A02.VREGP250	1	PRESSURE RUGULATIOR VALVE	FISIOPRESS
FP.98.A03.VSCMAX	1	MAX PRESSURE VALVE	FISIOPRESS
FP 250 EUROTEK	1	CIRCUIT BOARD	FISIOPRESS

ALL PARTS ABOVE ARE AVAILABLE ON THE SERVICE OF TECHNICAL FISIOPRESS:
VIA MORI 6, 40054 PRUNARO DI BUDRIO (BO) ITALY.
TEL: 0039 051 6920809
FAX: 0039 051 6931222
E-MAIL: info@fisiopress.com

FISIOPRESS FP 250 DIGITAL: BLOCK DIAGRAM



ELECTRICAL CONNECTIONS

PNEUMATIC CONNECTIONS

MECHANICAL CONTACT

FISIOPRESS FP 250 Digital: FUNCTIONAL DESCRIPTION

BASE UNIT (DEVICE)

Via the POWER SWITCH on the rear panel, the voltage feeds the power supply of the electronic board and, through it, motor, compressor and any light control.
The electric motor drives the rotating mechanism of air distribution to the twelve exits for external garments.
The pneumatic inflation system is composed by the compressor CP 13 (3 A) that through a tank feeds the distribution system whose task is to create a sequential cycle of 30 seconds consisting of a phase of inflation and a deflation.
On the tank is also mounted a relief valve and an exhaust valve which operates from 10 to 160 mm. Hg.
From the distributor 8 pipes depart intended for pneumatic connection with the external terminals.
The time of treatment is governed by the function TIME which is programmed by the operator.
Once you have reached the end of a predetermined time for therapy, the device switches off automatically at the time of deflation.

The microswitch placed on the air distributor supplies power to the gear motor and the compressor until the deflation phase of the last cycle.

EXTERNAL GARMENTS (FULL LEG SLEEVE, BOOT, FULL ARM SLEEVES, ABDOMINAL STRIP)

The full leg sleeve standard is constituted by a tubular element of eleven pneumatic sectors and a foot of one pneumatic element: these two elements are subdivided for a best fitting on the leg of the patient according to its longitudinal and circular dimension

In fact, the tubular element will go superimposed at the foot in order to ensure a good coverage of the leg and the foot.
Four zippers ensure a perfect choice of closure according to the circular size of the leg.
The full arm sleeve is a tubular element of suitable dimensions to twelve sectors equipped with three zippers for the possibility for perfect adjustment in the circular dimension in the closing phase.

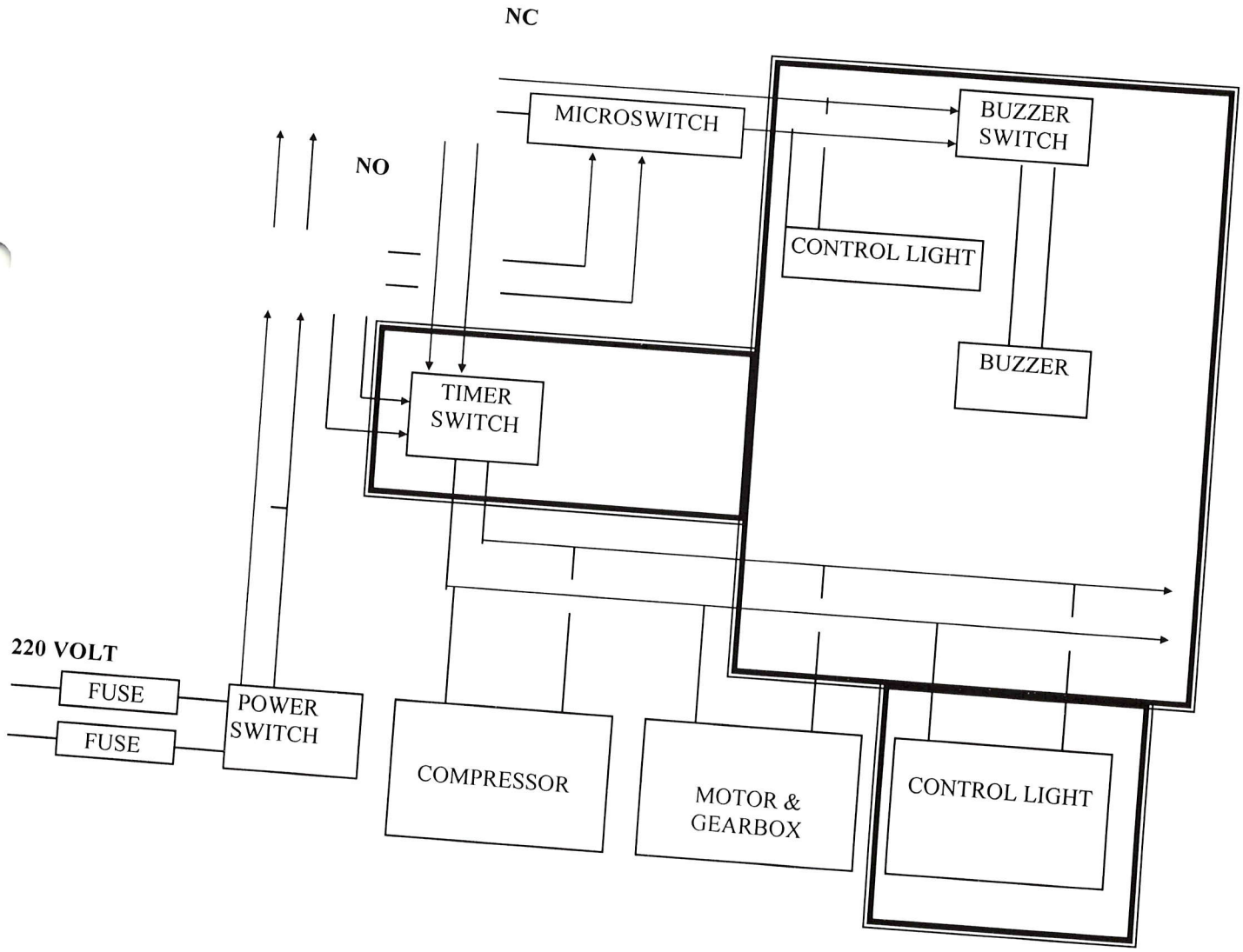
Overall, the inlet fittings are 8 whose connection modes are described in the user manual.
The apparatus can drive a pair of these terminals.

A more complete description of garments is on the USER MANUAL of the device.

THE PROPER PROCEDURE FOR REPLACEMENT OF PNEUMATIC BAGS IS ALSO DESCRIBED ON USER MANUAL.

FISIOPRESS FP 250 DIGITAL: WIRING

POWER: 220 VOLT 50 Hz



ELECTRONIC BOARD