NEOMEDIC

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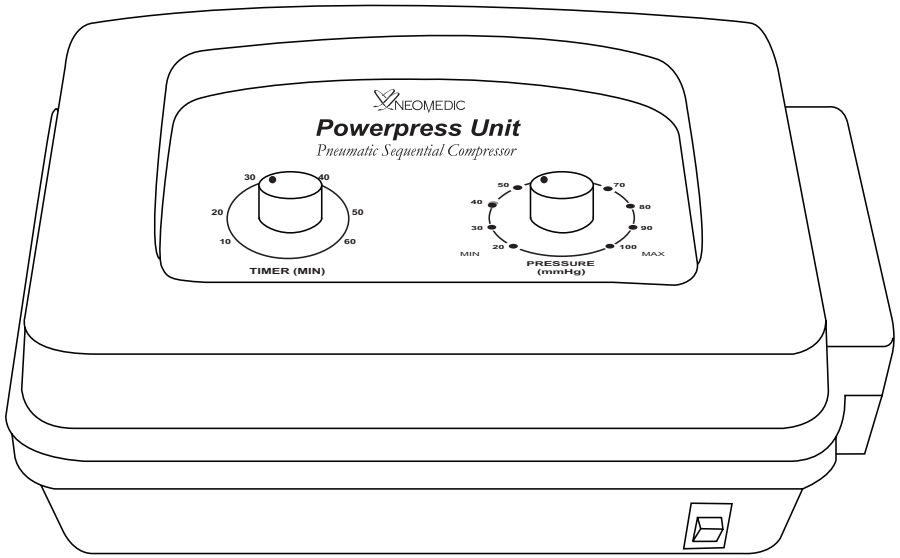
NEOMEDIC

POWERPRESS UNIT



User Manual

Gradient Pneumatic Sequential Compressor

9. Troubleshooting

If you should encounter a problem, please follow the fault finding guide below, if the fault cannot be rectified, please refer to Service.

Fault	Check	Remedy
Pump does not operate.	Is power switch on? Is power cord plugged in correctly?	Check switch. Check connections.
Pump operates but garments will not inflate. None of the above.	Blockage in garment supply tube. Garment not correctly fitted to pump. Pressure control set too low. Air leak in garment.	Ensure that the tube airway is clear. Check connections. Increase pressure control. Check garemt. Replace if defective. *Hint - Reduced pressure level indicates garment or connector leak*
None of the above.	Call Service	

10. Technical Description

Model No:		P1000 - T
Supply Voltage:		120 V
Supply Frequency:		60 Hz
Electrical Rating:		14VA
Fuse Rating:		F500mAH250V
Size:	Length:	11.8” (300mm)
	Width:	8.3” (210mm)
	Height:	5.1” (130mm)
	Weight:	4.5lbs (2kg)
Case Material:		ABS Plastic

6. Warranty

All Powerpress Unit shall conform to applicable specifications in effect from the invoice date to the end of the Warranty Period, and Powerpress Unit reserves the right to change such specifications at any time with or withour notice. The Warranty Period for Powerpress Unit products shall be as follows, calculated from the date of invoice:

- The Powerpress Unit pump is guaranteed for 12 months
- The Powerpress Unit garments are guaranteed for 6 months

7. Safety Warnings

- Electrical equipment may be hazardous if misused. The pump's rear case should only be removed by authorized technical personnel.
- Do not use the pump in the presence of flammable gases such as anesthetic agents.
- Make sure that the main power cable is positioned to avoid causing a trip or other hazard, and is clear of moving bed mechanisms or other possible entrapment areas.

8. Caution

Electromagnetic compatibility (EMC). This product complies with the requirements of applicable EMC Standards. The use of accessories not specified by the manufacturer may result in increased emissions by, or decreased immunity of, the equipment, affecting its performance.

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1. Introduction

The Powerpress Unit system consists of a pneumatic pump which is light and simple to use and a 4 chamber garment. It is suitable for home use.

The pump supplies air via connecting tubes to an inflatable garment allowing the application of controlled pressure to gently compress the limb. This action assists in increasing the return of blood, excess fluids, improves venous stasis and encourages the reabsorption of waste products.

Compression Cycle:

36sec inflation (9sec each chamber) / 24 sec deflation
Chamber 1 (Foot) = 36sec
Chamber 2 (Ankle) = 27sec
Chamber 3 (Calf) = 18sec
Chamber 4 (Thigh) = 9sce

Variable pressure output ranges from 20 - 100 mmHg. The segments within the garments are designed to prevent ridging and ensure high patient comfort and compliance.

** We would recommend that this manual is read throughly before proceeding with treatment. Please also refer to clinical guidelines and contraindications.

What is the importance of having a sequential "GRADIENT" Pump?

It is designed to deliver a controlled amount of pressure which is greatest at the distal end (foot) of the garment and gradually decreases towards the proximal (top) end of the garment.

This gradient pressure promotes better venous blood flow which in turn will control swelling, varicosities, let fatigue, and other problematic leg conditions.

This improves the efficiency of the valves which return the blood to your body. The "squeeze" in a graduated compression garment is most firm at the bottom and reduces toward the top of the grament. This difference creates an effective pump which, working with the movement of your calf, muscle, pushes fluid and blood back up through the body. Also our gradient system prevent blood and lymph fluid for reversing to leg or arm during inflation time.

Gradient: appx 7%
Example: Foot 60 mmHg - Ankle 56 mmHg - Calf 52 mmHg - Thigh 48 mmHg

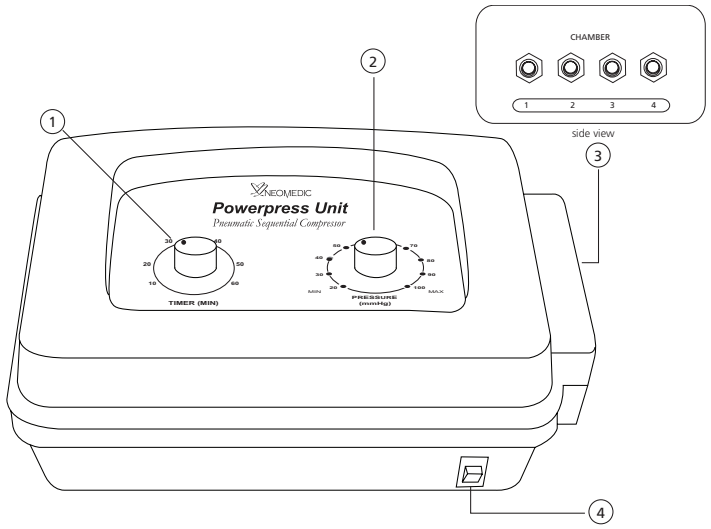
How to use P1000 - T ?

• Model# P1000 - T

1. Connect Tubing Hose and wear sleeves
2. Turn on Power Switch
3. Set the time you desire (0 ~ 60 min)
4. Start with low pressure and increase gradually up to you desire

To Remove the Garment: Switch off the pump, disconnect the tubing from the pump by removing the tube connectors.

5. Pump Description



1 Timer (0 ~ 60 min)

2 Pressure Control Knob (20 ~ 100 mmHg)

3 Air Tubing Hose Connector

4 Power Switch

Operation: The pump should be placed securely on a flat surface. Before starting the pump ensure that the garments are properly applied, the zippers are secured and the garment connecting tubes are attached to the pump outlet ports.

2. Clinical Application

Intermittent Compression Therapy

A thorough assessment of the patient should be made considering the general state of the patient and the specific characteristics of their presenting condition. The choice of system, i.e. garment and treatment regime, is to be recommended by the medical practitioner for the patient.

Training and education of the patient in the use and understanding of the system will help to ensure compliance.

Indications

- Lymphedema - primary
  - secondary;
- Oedema - dependent
  - traumatic
  - secondary to stroke;
- Chronic Venous Insufficiency

Cautions

1. Proper application and connection to the pump is essential.
2. Garments should be removed if the patient experiences tingling, numbness or pain.

Contraindications

POWERPRESS unit should NOT be used in the following conditions:

1. Severe arteriosclerosis or other ischemic vasular diseases.
2. Known or suspected acute deep vein thrombosis.
3. Severe congestive cardiac failure.
4. Any local condition in which garments would interfere, for example:
   - Gangrene
   - Dermatitis
   - Untreated, infected leg wounds
   - Recent skin graft

3. Clinical Treatment Guide

An initial pressure of 40 mmHg (30 mmHg for management of lymphedema) is suggested at the commencement of treatment. It may be necessary to start at a lower level of pressure, dependent on the patient's tolerance.

The pressure can be gradually increased over time, until the required pressure is reached. The upper treatment pressure range is generally 60 - 70 mmHg.

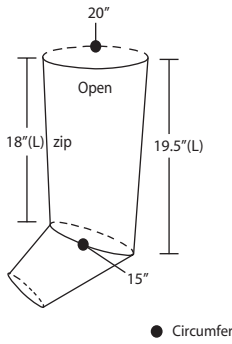
A single treatment session is usually 20 - 60 minutes.
The above settings and timings are guidelines, and should not be used as a substitute for clinical judgement and experience.

4. Garments type & size

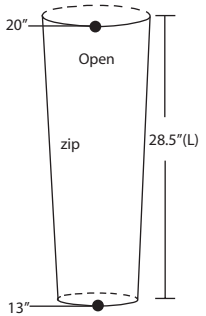
- Cytotoxicity Test, Delayed Hypersensitivity, Animal Skin Irritation Test Pass (ISO 10993-5, 10)
- Latex Free, Non Stretch Fabric
- Effective Lymphatic Drainage, Blood Circulation Design without Backflow or Gaps
- Seamless aircell between each chamber

Waist Sleeve Available :
(Regular) Cover size 35″ ~ 43″ (Large) Cover size 42″ ~ 49″

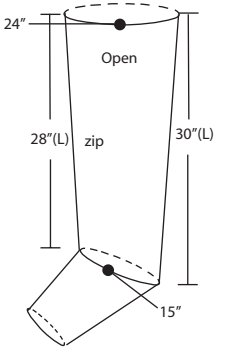
Half Leg Sleeve (Regular)

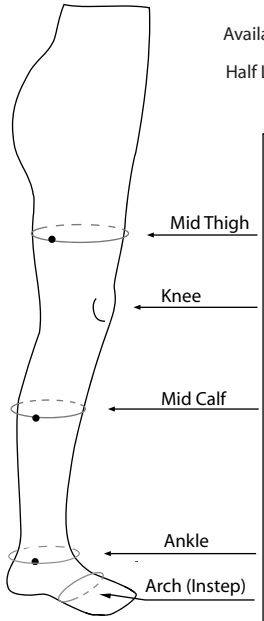


Arm Sleeve



Full Leg Sleeve (Regular)





Available **Extenders** size

Half Leg Sleeve: 4″, 6″ Arm Sleeve: 4″, 6″ Full Leg Sleeve: 4″, 6″

	Full Leg (XL)	Full Leg (R)	Half Leg (XL)	Half Leg (R)	Half Leg (2ch)
Mid Thigh	29″	24″			
Knee	25″	20″	24″	20″	18″
Mid Calf	23″	18″	22″	18″	17″
Ankle	19″	15″	19″	15″	14″
Arch (Instep)	17″	12″	18″	12″	11″