

Lympho-Flow

EN ISO 13485



DS MARTELL
The leading pneumatic technology since 1986

Lymph



Lympha-Flow

Sequential Intermittent Pneumatic Compression System

- The application of Sequential Intermittent Pneumatic Compression (SIPC) to venous and lymphatic dysfunction is effective for physiotherapy.
- Our SIPC is designed and specialized as a sequential and gradient compression system for the optimized lymphatic drainage.
- Gradient, sequential compression is for effective lymphatic drainage therapy, management and wound care (accelerates healing)
- Stimulates lymphatic drainage and circulation
- Moves lymph fluid to the correct physiological direction.



Post-operative care

IPC (Intermittent Pneumatic Compression) therapy system

DVT (Deep Vein Thrombosis)

Lymph edema

Post-paralytic

Limb convulsion

Phlebosclerosis

Diabetes

Varicose

Chronic venous insufficiency (CVI)

Arterial insufficiency

Post-mastectomy

Post-traumatic

Spinal cord injury

Sciatica (waist sleeve)

Sprains

Lympho-Flow

Sequential Compression
Therapy Device



Specifications

Items		Specification
Model	LX9	
Protection Type	Class II, BF-type Device	
Rated Voltage	AC100-127V, 50/60Hz	
	AC200-240V, 50/60Hz	
Power Consumption	60VA	
Setting Pressure	10-180mmHg $\pm$ 20mmHg (Unit: 10mmHg)	
Time range	5-90min (Unit: 5min)	
Speed	1-6 level	
Mode	A, B, C, D	
Dimension	260(W) x 180(D) x 130(H)mm	
Weight	2kg (Only body)	
Certification	SAFETY	RX Setting pressure should be operated under doctor's instructions. ONLY
	EMC	

How Treating Venous disease

Main lymphatic therapies are using these kinds of MLD (Hand Therapy), Bandage (compression bandage), and Compression stocking (compression stocking) separately and together. As IPC system is more active therapy than stocking or manual, it automatically pushes the patient's swelling area with the pneumatic pump which set the appropriate pressure and the usage time according to the doctor's prescription.

MLD (Manual lymphatic Drainage)



Passive Lymphatic Drainage (Compression Stocking)



Stockings / Garment
Wraps - Unna Boots
No stretch
Velcro closure systems
Circaid
Compreffit

All passive systems require to be effective walk to push blood and prevent pooling.

• Recommended activity/walking for wraps/stockings to be fully effective is 2 hours per day.

Active Lymphatic Drainage (SPIC system)



Provides interface pressure to move blood from surface to deep vessels, even if the perforators are insufficient.

• Only other therapy that compares with efficacy of IPC is regular walking with or without wraps/passive compression.

How Treating Venous disease

MLD
(Manual lymphatic Drainage)



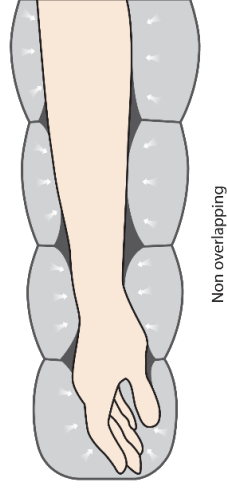
Passive Lymphatic Drainage
(Compression Stocking)



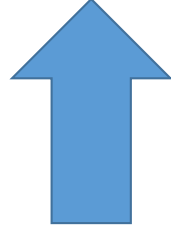
Active Lymphatic Drainage
(SPIC system)



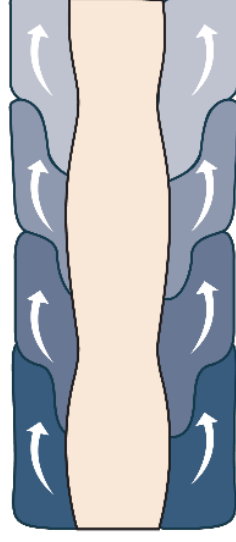
Non overlapping



Non overlapping



Overlapping structure

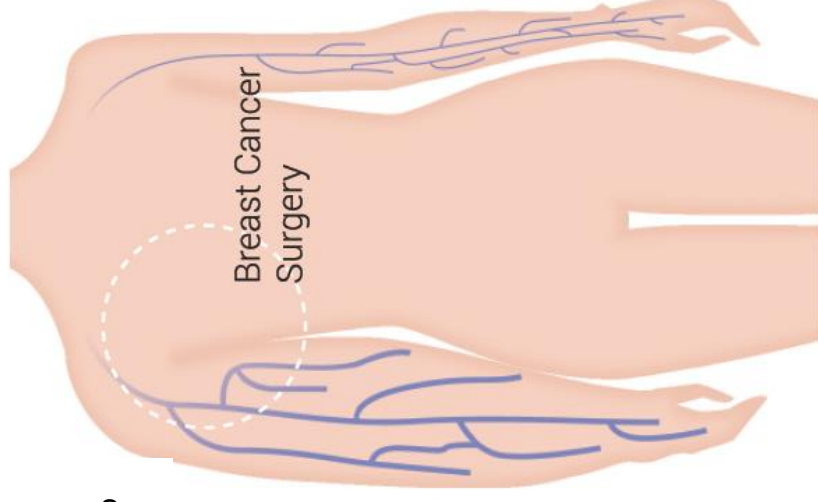


Upper Limb Sleeve

It promotes lymphatic drainage and circulation / lymph to the right physiological direction.

This new type of lymph-edema sleeve, the Arm Chest (AC)sleeve provides a particularly suitable pressure for breast cancer patients, especially.

It is more effective than the conventional pneumatic method that extends to the armpit.



Arm Chest (AC) after breast cancer

Arm/Chest sleeve



- The ARM / CHEST (AC) sleeve effectively treats lymphatic edema by releasing stagnant lymphatic fluid from lymphatic damage area due to breast cancer surgery and upper body orthopedic surgery to the correct physiological direction of the human lymphatic drainage and circulation (Toward lymph nodes of the opposite normal armpit and the inguinal region of the lower body).

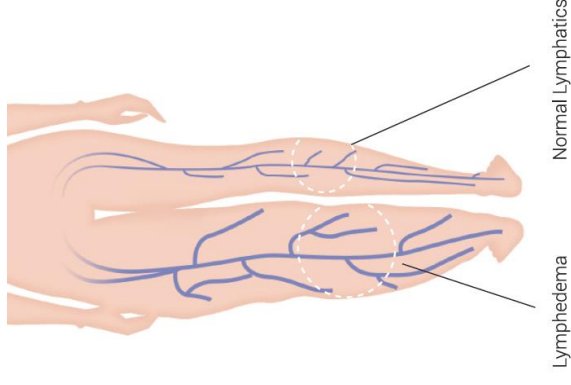
| Lower Limb Sleeve

Leg overlapping sleeves have 8 sizes, small, small wide, small X-wide, Medium, Medium X-wide, Large, Large wide, Half medium, Half Medium Wide for post-operative care after orthopedic surgery like Total Knee Arthroplasty (TKA), Total Hip Arthroplasty (THA), Hip Fracture Surgery (HFS).

Center body sleeve can be used as a pre-therapy sleeve to open the lymph node of the center of the body before Upper limb or Lower limb and covers the genital and lower abdominal regions for post-care due to hysterectomy or ovarian cancer.



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Overlapping leg sleeves

4 Chamber Leg	Length (cm)	Width (cm)	Length (in)	Width (in)
SMALL	58.4	76.2	23	30
SMALL WIDE	66	88.9	26	35
SMALL X-WIDE	61	101.6	24	40
MEDIUM	73.7	78.8	29	31
MEDIUM WIDE	73.7	88.9	29	35
MEDIUM X-WIDE	71.1	101.6	28	40
LARGE	86.4	78.7	34	31
LARGE WIDE	91.4	101.6	36	40
HALF MEDIUM	41.9	71.1	16.5	28
HALF MEDIUM WIDE	48.3	76.2	19	30

