

Basic DX

Static Anti-Decubitus Overlay System



USER MANUAL



Caremed Supply, Inc.

7F, No. 2, Lane 235, Bao Chiao Rd., Xin Tien City, Taipei 231 Taiwan

Tel: +886-2-2917-9808

Fax: +886 -2-2918-6505

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Warning

- * Connect the Master Control unit to a 100 ~240 volt to a power source.
- * Keep the pump and mattress away from open flame.
- * Keep the mattress away from sharp objects.
- * Do not place a heating device close to the mattress system.

Caution

- * The Alternating System should always be used in accordance with your Institutions pressure care guidelines.
- * Re-positioning of the patient is always recommended when using an Alternating Pressure Air Mattress (APAM).
- * The Control unit can only be repaired by an authorized technician.
- * Do not drop the control unit.
- * **Operation Temp: 15°C ~ 40°C R.H. : 30% ~ 75 %**

1. The Purpose of this Manual

This operation manual is mainly focused on the set-up, cleaning and routine maintenance of the Basic DX Air Pump with Mattress overlay System. We recommend you keeping this manual handy to answer most of the question related to the system.

2. Product description -intended use-

The Basic DX Air Pump with Mattress overlay System is a static overlay system, provides safe support and great comfort to patients. Easy to set up and suitable for use in the community and nursing home environment.

Control unit (AirPump) Features

- The control unit (AirPump) is user friendly designed and most of the functions are self-explained.
- Adjustable comfort range with easy operating and control knob
- Convenient hooks secure to most bed frames

Mattress Features

- One piece design for maximum pressure distribution
- The overlay mattress can easily attach to existing hospital bed mattress

3. Technical Data

Control unit (AirPump)

Model name	BASIC DX
Model no.	M2
Part no.	FC-PHE0005
Size (mm)	120(L)x95(W)x265(H) mm
Weight (Kg)	1.6 kg
Cycle Time (min)	12 min
Min/Max Pressure	16~ 32 mmHg +/- 6 mmHg
Max Flow-rate	≥ 4.5 L/min
Rated Voltage	AC 220-240 volt
Max Current	0.1 A
Fuse Rating	T1AH 250V
Rated Frequency	50 Hz
Protection Type	Class II, Type BF Not AP or APG Type



Mode of Operation	Continuous
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Mattress Overlay

Mattress type	3" one piece bubble pad
Part no	FM-PHE0001
Size (mm)	200cm(L) x 90cm(W) x 8cm(H)
Weight (Kg)	2 Kg
Cells Material	PVC
Weight capacity (kg)	100 kg

4. SET-UP for Air Pump with Mattress overlay System

1. **Place the mattress** directly onto the existing mattress bed and to ensure that the air hose is at the foot side of the bed.
2. **Hang the Air Pump** on the foot-side-board and attach mattress' air tube onto air socket located on the side of the Air Pump. Ensure the air hose is not kinked.
3. **Plug the power cord** of control unit into a socket.

4. Product function illustrate :

➤ Power Switch

- The switch is on the left side of the control unit(Pump).
- Turn on(I)/off(o) the power, the control unit(Pump) will start/stop operation.

➤ Comfort Level

- Turn the pressure control dial to adjust the comfort level

➤ Indicator Light

- The LOW PRESSURE indicator light will be illuminated when the pump starts working and the air pressure of the mattress is not yet reach the setting level.
- The NORMAL indicator light will be illuminated when the air pressure reach the setting level.



5. Cleaning

Control unit (AirPump)

SWITCH OFF THE ELECTRICAL SUPPLY TO THE PUMP AND DISCONNECT THE POWER CORD FROM THE MAIN SUPPLY BEFORE CLEANING AND INSPECTION

Control unit (AirPump) should be cleaned weekly using a damp soft cloth and mild detergent. It's case is manufactured from ABS plastic can be wiped down with cleaning solution. **(Do not use phenol based cleaning solution)**

Mattress Overlay

Mattress can be wiped down with cleaning solution.

6. Storage and Care

Control unit (AirPump):

- Check the power cord and plug for abrasions or excessive wear.
- Plug in the unit and verify air flows from the units hose connection ports
- Place in plastic bag for storage.

Mattress Overlay:

- Disconnect the air feed tubes. After the air is released mattress can be folded. Place in plastic bag for storage.

It is recommended the following guidelines are used whenever this system is being stored or transported another location:

Temperature limitations: 14°F (-10°C) ~ 104°F (40°C)

Relative Humidity 30% ~95%

7. Maintenance & Troubleshooting

No daily maintenance is required. It is intended this equipment should only be serviced by properly qualified, authorized technical personnel.

Problem	Troubleshooting	Response
The control unit is not working.	1. Check for power cord and power voltage.	1. It there is no wrong on power cord & power voltage, contact Customer service for help.
The mattress is not inflating while control unit is working.	1. Is the air hose kinked? 2. Is the air cell broken or damaged? 3. Is there any air leak between mattress and control unit (Air Pump)?	1. Check out air hose. 2. Replace new mattress. 3. Replace new mattress or fix it.



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