EOLE DC Powered Support Surface

REF 2871

stryker®

Operations/Maintenance Manual

CE 2797

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Symbols and Definitions

SYMBOLS

	TUV marking
	CE marking
	Caution, consult accompanying documentation
	Warning
	European medical device
	Consult instructions for use
	Type BF equipment
	Double Insulation
	Fuse
	Temperature Limitation, Operating: 10°C to 40°C, Storage: -15°C to 50°C
	Humidity Limitation, 10% - 90%
	Refer to instruction manual/ booklet
	Disposal: Contact local distributor who will take the necessary steps according to your national market.
	Do Not Iron
	Maximum washing temperature 60°C, normal process, only for top cover of mattress.
	Chlorinated Bleach
	Do Not Tumble Dry
	Do Not Dry Clean
	Allow to Completely Air Dry
	Hand wash
	Manufacturer

IP24	**First Digit (Solids)** Protected against touch by fingers (>12.5mm); **Second Digit (Liquids)** Water splashing against the enclosure from any direction shall have no harmful effect.
	Authorized representative in the European community
	Catalogue Number (model)
	Serial Number
	CPR
	Do Not Open with Cutter
	Keep Away From Rain
	Use No Hand Hooks
	Fragile
	This Way Up
	Stacking Limit 50 kgs
	Stacking limit 4 cartons
	Recycled Package

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Symbols and Definitions

WARNING/CAUTION/NOTE DEFINITION

The words **WARNING**, **CAUTION** and **NOTE** carry special meanings and should be carefully reviewed.

⚠ WARNING

Alert the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

⚠ CAUTION

Alert the reader of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

NOTE

Provide special information to make maintenance easier or important instructions clearer.

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Technical Specification

Item		Specification
Power Supply		AC 230V, 50Hz, 0.07A
Fuse Rating		T1AL, 250V
Dimension (L x W x H)		29.5 x 14.5 x 19.2 cm / 11.5” x 5.7” x 7.6”
Weight		2.4 kg / 5.3 lb
Cycle Time		12 minutes
Environment	Atmospheric Pressure	Operation: 70-106 hPa
	Temperature	• Operation: 10°C to 40°C (50°F to 104°F) • Storage: -15°C to 50°C (5°F to 122°F) • Shipping: -15°C to 70°C (5°F to 158°F)
	Humidity	• Operation: 10% to 90% non-condensing • Storage: 10% to 90% non-condensing • Shipping: 10% to 90% non-condensing
Classification		• Class II, Type BF, IP24 • Applied Part: Air Mattress • Not suitable for use in the presence of a flammable anesthetic mixture (No AP or APG protection)

Air Mattress	Specification		
Model	EOLE DC 32” (80cm)	EOLE DC 32” (80cm +10cm foam)	EOLE DC 35” (90cm)
Model Number	2871		
Flame Retardant Standards	EN 597-1 and EN 597-2		
Safe Working Load	200 kg / 441 lb		
Dimension (L x W x H)	200 X 80 X 20 cm 78.74 X 32 X 7.84 inches	220 X 90 X 20cm. 86.61 X 35.43 X 7.84 inches	200 X 90 X 20 cm 78.74 X 35.43 X 7.84 inches
Weight	4.75 kg / 10.47 lb	10kg / 22.04 lb	5.45 kg / 12 lb

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Introduction

This manual is designed to assist with the operation and maintenance of the EOLE DC Powered Support Surface. Carefully read this manual thoroughly before using or beginning maintenance on the support surface. To ensure safe operation of this equipment, it is recommended that methods and procedures are established for educating and training staff.

CONTRAINDICATIONS

None known.

INTENDED USE OF PRODUCT

EOLE DC is a constant low pressure powered support surface intended to provide pressure redistribution to aid in the prevention and treatment of pressure ulcers. The system consists of a control unit combined with an alternating air cell mattress. The air cells redistribute the weight of the patient over the surface and aid in the reduction of tissue interface pressure. It is recommended that the product be operated by personnel who are qualified to perform general nursing procedures and have received adequate training in the prevention and treatment of pressure ulcers.

This support surface is intended to be used with human patients in a general hospital, nursing home or homecare environment and for patients at risk of developing pressure ulcers, as well as those who require therapy for pre- existing pressure ulcers. The safe working load for EOLE DC is 200 kg/ 441 lb; the patient must not exceed safe working load specified by the support surface, frame, and accessories. Patients shall meet the minimum age requirement of 2 years old.

EOLE DC shall be used with a mattress cover at all times.

The support surface is not intended to be a sterile product nor is it intended to include a measuring function.

EXPECTED SERVICE LIFE

The products are intended to offer safe and reliable operation when in use or installed according to the instructions provided by Stryker Medical. Stryker Medical recommends that the system be inspected and serviced by authorized technicians if there are any signs of wear or concerns with device function and indication on products. Otherwise, service and inspection of the devices generally should not be required. The control unit thereof has an expected service life of 2 years and the mattress thereof has an expected service life of 2 years.

PRODUCT DESCRIPTION

EOLE DC is powered support surface focusing on equalizing pressure and enhancing comfort.

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Introduction

CONTACT INFORMATION

Contact Stryker Customer Service or Technical Support at: (800) 327-0770 or (269) 324-6500.

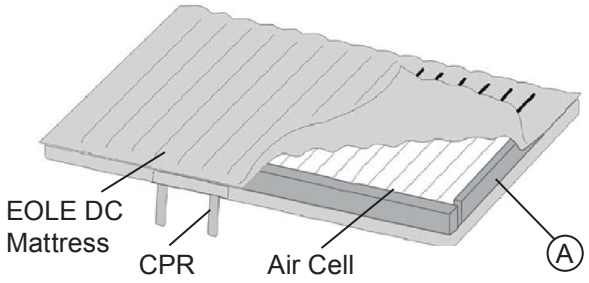
Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

Please have the serial number (A) of your Stryker product available when calling Stryker Customer Service or Technical Support. Include the serial number in all written communication.

PRODUCT SERIAL NUMBER LOCATION/IDENTIFICATION

The serial number (A) is located at the mattress cover near foot right corner of the mattress as shown in Figure 1. To access the serial number, unzip the cover about one foot.

▼ **Figure 1**



Format:

REF 2871

M	Y	Y	M	M	-	S	S	S	S	S

- M = Mattress
- YY = Year
- MM = Month
- SSSSS = Sequence (Numeric)

Model Number Legend (X)
2871 EOLE DC

Month Legend (MM)	
January	01
February	02
March	03
April	04
May	05
June	06
July	07
August	08
September	09
October	10
November	11
December	12

Year Legend (YY)	
2014	14
2015	15
2016	16
2017	17
2018	18

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Summary of Safety Precautions

WARNING

- Check patient's skin regularly. Consult physician if any redness or skin break occurs. Serious injury could result if the patient's skin condition is left untreated.
- Do not place the control unit in the patient's bed, in contact with the patient, or under sheets or other coverings. Doing so could cause serious injury or could affect control unit performance.
- Do not use in the presence of a flammable anesthetic mixture or with oxygen (O_2) or nitrous oxide (N_2O).
- Verify bed side rails are compatible with bed frame and existing mattress. A risk assessment must be performed by a suitably qualified person, especially when side rails are prescribed, to ensure that the bed meets the IEC 60601-2-52 bed standard.
- Use with appropriate top sheet and minimize layers of bedding between patient and mattress.
- Assess patient's risk of entrapment according to protocols and monitor accordingly.
- Close supervision is necessary when this product is used on or near children. Electrical burns or choking may result from a child swallowing a small part detached from the device.
- Use this product only for its intended use as described in this manual.
- Do not operate product if the power cord or plug has been damaged.
- Keep the power cord away from heated surfaces.
- Never block any air openings of this product or place it on soft surfaces, where openings may be blocked. Keep the air opening free of lint, hair, and other similar particles.
- Do not modify this equipment without the authorization of the manufacturer.
- Mattress covers have passed skin sensitization and skin irritation tests. However, if you suspect that the patient or caregiver you may have had or is having an allergic reaction, please consult a physician immediately.
- The power cord to the Control Unit should be positioned to avoid a strangulation hazard and/or damage to the cord. Careful consideration is required when routing the power cable. It is recommended that placing the cord under the bed frame and attaching it to an electrical outlet at the head of bed.
- Serious injury or death can result from the use (potential entrapment) or non-use (potential patient falls) of side rails or other restraints. The safe use of the support surface is maximized when used in conjunction with side rails; there may be an increased risk of falls when side rails are not present. Local policies regarding the use of side rails should be taken into account. Whether and how to use side rails is a decision that should be based on each patient's individual needs and should be made by the physician, operators, and responsible parties.
- When cleaning the support surface, ensure that no liquid is allowed to seep into the zipper area and watershed cover barrier (underside); fluids allowed to come in contact with the zipper may leak into the support surface.
- Do not expose the mattress to excessive moisture. Personal injury or equipment damage could occur.
- The use of quaternaries containing glycol ethers and/or accelerated hydrogen peroxides may compromise the cover integrity and legibility.
- Be aware of devices or equipment placed on the top of the support surface. Damage to the surface may occur due to the weight of the equipment, heat generated by the equipment, or sharp edges on the equipment.
- Do not put overlays or accessories inside the cover. Doing so may reduce pressure redistribution performance.
- It is the responsibility of the caregiver team to evaluate the appropriate CPR protocol to be used with the surface.
- If there is a possibility of electro-magnetic interference with mobile phones, please increase the distance (3.3m/10.8 feet) between devices or turn off the mobile phone.
- Ensure the waterproof cap to the power switch is present and unbroken before use. Failure to do so could increase risk of electric shock.
- Mattress contains metal snap buttons and delrin zippers and should not be exposed under X-rays entirely. Always use X-ray cassette during portable X-ray procedure.

NOTE

The EOLE DC support surface must be used with a mattress cover at all times. The support surface cover may interact with all external skin.

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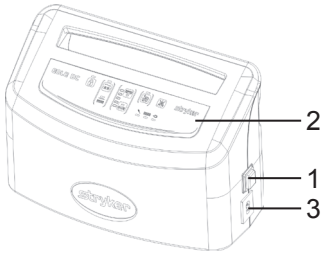
Product Description

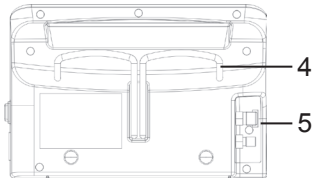
CONTROL UNIT FRONT



◄ **Figure 2**

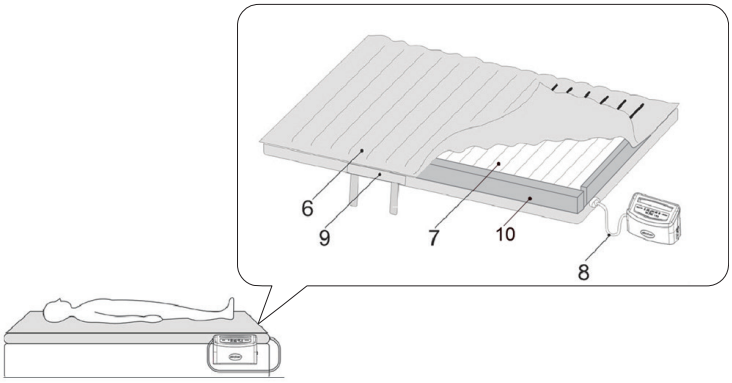
1. Power Switch On/Off
2. Front Panel
3. Power Socket

CONTROL UNIT REAR



◄ **Figure 3**

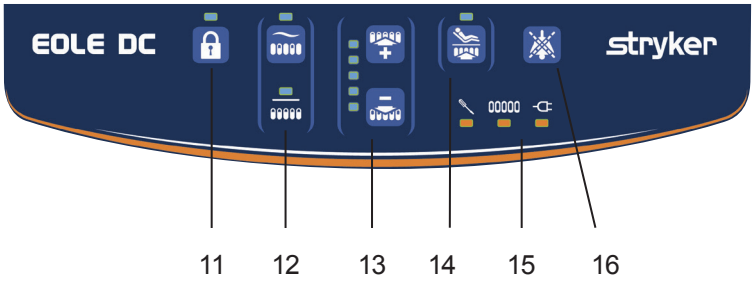
4. Hanger
5. CPC Connector



◄ **Figure 4**

6. EOLE DC Mattress
7. Air Cell
8. Air Hose
9. CPR Strap
10. Foam (only available for 2871-000-003 SV2 Eole DC System)

CONTROL PANEL



◄ **Figure 5**

11. Lock/Unlock
12. Mode Selection
13. Comfort Level
14. Maxfirm/Seat mode
15. Alert
16. Mute

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INSTALLING THE CONTROL UNIT

1. Place control unit on flat surface or suspend control unit on end of bed using attached hooks. See Figure 2 and Figure 3. Remove the plug to disconnect the device. Do not position the equipment such that it is difficult to operate the disconnecting device.
2. Position the mattress on bed frame.
3. Connect the hose assembly between the mattress air cell and the control unit. Connect the adaptor from control unit onto the air valve.
4. Plug the power cord and Maxfirm/Seat mode will be inflated automatically. Note: The unit will take approximately 40 minutes to inflate the mattress. Nurse can adjust the comfort level or mode with the patient on the initial stage.
5. After installation, make sure the flap is not folding upwards to avoid fluid seeping through mattress cover.

NOTE

Make sure the control unit is suitable for the local power voltage and frequency.

6. Position patient on the mattress.

⚠ WARNING

Deflate before CPR or CPR could be ineffective.

To deflate mattress for CPR:

When there is an emergency to perform CPR on the patient, quickly pull the CPR strap from the mattress to release air. The quick connector on the pump unit can be disconnected for even faster deflation. The air cell will deflate in approximately 15 seconds. Proceed with CPR procedures.

Resetting CPR:

After CPR, re-plug CPR and make sure the CPR plug is fixed on the mattress.

Mattress Setup (2871-000-003 Mattress with SV2 bedframe)

1. Unroll the mattress.
2. Position the mattress on the SV2 bedframe with the hose connection at the foot end of the bed.
3. Locate the tie straps at the center of the mattress.
4. Attach the tie straps to the bed frame (Figure 6).

◄ **Figure 6**

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PRODUCT FUNCTIONS

THERAPY

1. Maxfirm / Seat mode 

   When connected to the power for the first time, the control unit automatically inflates to maximum inflation and the indicator light of Maxfirm/Seat comes on. This insures the control unit is able to reach its maximum operating pressure. Once the maximum pressure level is reached, the pump will automatically switch into alternating mode. User can also use this function as full mattress inflation while ingress/egress the patient for better support. Nurse or professional operator can adjust the comfort level manually at the maxfirm stage.
   On the alternating or static mode, nurse can operate the maxfirm button to implement the maxfirm or return to the former stage.

   a. Alternate mode 

      In Alternate therapy mode, the mattress system will alternate every 12 minutes. User can select for best comfort.

   b. Comfort level:

      Press 

      and 

      to adjust the pressure level for the patient's comfort.

   c. Static mode 

      Press THERAPY button to suspend alternating function, if needed. The pressure inside of air cells will be adjusted to the same softness. Press the THERAPY button again; it will switch back to alternating mode. Under the static mode, cell pressure level will be lowered compare to the same pressure level from alternating mode.

2. Alert Mute 

   Press alert mute to deactivate the alert sound. If the problem continues, the alert sounds again after 3 minutes.

   a. Power Failure Alert 

      During power failure situation, the Power Failure indicator will light on with sound. Upon power restoration, press the power switch to disable the audible and visual alert and LED.

   b. Low Pressure Alert 

      The audible low pressure alert is not active during initial mattress inflation. The audible alert will be active after approximately 50 minutes has elapsed from the time the unit has been turned on.
      If there is a loss of mattress pressure with the unit ON and the alert switch activated, an alert will sound and flash intermittently. In addition, the low pressure light will be illuminated.

   c. Service Alert 

      This feature will light during mechanical failure situation. User can notify the technician for repair.

3. Lock 

   Patient or caregiver can hold the lock button 3 seconds to activate or deactivate lock mode. In lock mode, Patient or caregiver can press Maxfirm/Seat button for maximum inflation.
   The panel of control unit will be lock automatically without any operation after 3 minutes.

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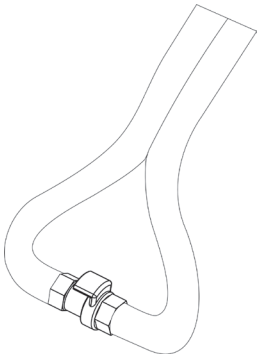
TRANSPORT MODE

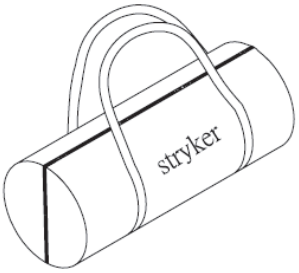


In case of power failure or transport: Disconnect the CPC connector and interconnect Male to Female part of the air hose connector to slow deflation.

For transport purpose, interconnect Male to Female part of the air hose connector. When a “click” is felt or heard, the connection is completed and secured; then air from mattress is sealed off.

STORAGE

1. To quickly deflate the mattress for storage, take off the CPR strap and the CPC connectors. It will make the air release quickly.
2. Lay the mattress out flat and upsides down.
3. Fold in half and place the control unit inside.
4. Roll from the head end towards the foot end.
5. The power cord could be wrapped around the pump bumper on the back of pump.
6. Place the whole system into the carrying bag.



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Cleaning and Disinfection

The control unit housing, tubing, and mattress should be cleaned between patients.

- To clean, use water and a clean cloth to wipe down the Control Unit, power cord, hoses, mattress top cover, and bottom cover. Do not use abrasive cleaners on the mattress. Note: Blood and other body fluids must be thoroughly cleaned from all surfaces before applying disinfectants.
- Apply disinfectants to the external surfaces of the control unit, hoses and mattress top cover, and bottom cover by wiping. Stryker recommends a chlorine-based solution with a concentration less than or equal to 1000 ppm or 70% alcohol twice a week.
- To wash the top cover of mattress by washing machine with normal process under the temperature 60°C in 45 minutes.
- It is not recommended to disinfect the internal parts of the mattress on a regular basis, but only as needed for particular instance, the air cell could be wiped with a cloth and disinfectants as recommended above.
- Wipe down the mattress with a clean, dry cloth to remove any excess of disinfectant.
- If other detergent or other cleaning agent is used, choose one that will not have adverse chemical effects on the surface of the plastic case of the control unit, mattress cover and any other component of the device.
- When cleaning or disinfecting the support surface, ensure that no liquid is allowed to seep into the zipper area and watershed cover barrier (underside); fluids allowed to come in contact with the zipper may leak into the support surface.
- Avoid dust and proximity to dusty areas.
- All components should be air dried thoroughly before use.

The waterproof cap of power switch should be on the power switch.

- Avoid using sharp tools on the waterproof cap over the power switch.
- Please reply to your distributor if the cap is broken or missed off.

WARNING

- Do not use phenolic based products for cleaning.
- Do no dry the mattress in direct sunlight.

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Troubleshooting

Problem	Solution
Loss of power	Check if the plug is connected to mains.
Low pressure alert noises	1. Check if the CPR is sealed. 2. Check if the air cell is broken. 3. Check if the connection tube is tightly secured. 4. Check if there is any leakage on air cells.
Patient is bottoming out	Pressure setting might be inadequate for the patient. Adjust comfort range 1 to 2 levels higher and wait for a few minutes for best comfort.
Air Mattress is not secure	1. Check if all the snap buttons or straps of mattress are all securely fastened. 2. Check if the mattress is fixed to the bed frame by elastic straps.
Air cells fail to inflate	Make sure the air hose is not kinked, cracked, or split. Verify that the power switch is illuminated, signifying the control unit has power. Verify that the air hoses are fully inserted with a positive connection.

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TOP COVER REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the hose assembly between the mattress air cell and control unit.
2. Unzip the top cover.
3. Discard the old cover.
4. Place the new cover.
5. Carefully zip the cover.
6. Verify proper operation of the unit before returning it to service.

AIR CELL REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the hose assembly from the air valve of mattress.
2. Unzip 2-way zipper from either way to remove the top cover and remove the CPC tubes.
3. Remove and discard the old air cell.
4. Place the new air cell, connect the tubes and zip the cover to close.
5. Verify proper operation of the unit before returning it to service.

CONTROL UNIT REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the plug from mains power and hose.
2. Discard the old control unit.
3. Place the new control unit and connect the plug to mains power and hose.
4. Verify proper operation of the unit before returning it to service.

HOSE REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the hose from control unit and mattress.
2. Discard the old hose.
3. Connect the new hose to control unit and mattress.
4. Verify proper operation of the unit before returning it to service.

CPC TUBE REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the tube from control unit and mattress.
2. Discard the old tube.
3. Connect the new tube to control unit and mattress.
4. Verify proper operation of the unit before returning it to service.

FILTER REPLACEMENT

Tools Required: None

Procedure:

1. Discard the old filter.
2. Verify proper operation of the unit before returning it to service.

FOAM REPLACEMENT

Tools Required: None

Procedure:

1. Disconnect the foam buckles
2. Discard the old foam
3. Place the new foam
4. Buckle buttons
5. Verify proper operation of the unit before returning it to service.

WARNING

Any replacement of non-authorized or wrong parts may cause the unpredictable risk rise. Please check the replaced part is suitable for Stryker Medical's EOLE DC Powered Support Surface, Model 2871.

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Preventive Maintenance

Preventative maintenance should be performed annually, at a minimum. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

CHECKLIST

_____ Cover zipper opens and closes properly and has no visible damage.
_____ No tears, rips, holes, cracks, or other openings in the mattress cover.
_____ Check labels for legibility, proper adherence, and integrity.
_____ Support surface cover straps and snaps are intact and are not damaged.
_____ Straps properly secure the support surface assembly to the crib.
_____ Components have not degraded or come apart.
_____ Check main power cord and do not plug if there is an abrasion or excessive wear.
_____ Check airflow from the air hose.
_____ Check the air hose if there is kink or breaks
_____ Verify proper operation of the unit before returning it to service.
_____ Check the waterproof cap of power switch.

Product Serial Number:		

Completed by: _____ Date: _____

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Quick Reference Replacement Parts

The parts and accessories listed on this page are currently available for purchase. Some of the parts identified on the assembly drawing parts in this manual may not be individually available for purchase. Please call Stryker Customer service USA at 1-800-327-0770 for availability and pricing.

Product	Part Number
EOLE DC POWERED SUPPORT SURFACE 32” (80cm)	2871-000-002
EOLE DC POWERED SUPPORT SURFACE 35” (90cm)	2871-000-001
SV2 Eole DC System	2871-000-003
EOLE DC Control Unit	2871-001-000

Service Part Name	Part Number
Manual, EOLE DC	2871-009-001
Mattress, Top Cover 32” (80cm)	2871-019-006
Single Air Cell, Orange PU 32” (80cm)	2871-019-007
Single Air Cell, Clear 32” (80cm)	2871-019-008
Siderail Foam	2871-019-010
Head or Foot Foam	2871-019-011
Mattress, Top Cover, SV2	2871-019-013
Mattress, Top Cover 35” (90cm)	2871-002-000
Single Air Cell, Orange PU 35” (90cm)	2871-004-001
Single Air Cell, Clear 35” (90cm)	2871-004-002
Air hose, PVC, EOLE DC	2871-004-003
Plug, Replacement, QTY 1	2871-004-004
Manifold	2871-004-005
Pump, Button Overlay, EOLE DC	2871-001-001
Pump, Fuse	2870-001-002
Tube, CPC	2870-001-003
Pump, Compressor	2870-001-004
Air Filter	2870-001-005

Accessory	Part Number
Pump, UK Plug	2870-019-001
Transport Bag	2870-019-002
Pump, FR Plug	2870-019-003

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Appendix A: EMC Information

GUIDANCE AND MANUFACTURER'S DECLARATION- ELECTROMAGNETIC EMISSIONS:
This device is intended for use in the electromagnetic environment specified below. The user of this device should make sure it is used in such an environment.

Emissions Test	Compliance	Electromagnetic Environment-Guidance
RF emissions CISPR 11	Group1	The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment
RF emissions CISPR 11	Class B	
Harmonic emissions IEC61000-3-2	Class A	The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network
Voltage fluctuations / Flicker emissions IEC61000-3-3	Complies	

WARNING

1. The device should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the device should be observed to verify normal operation in the configuration in which it will be used.
2.Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
3. Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Pump, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

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Appendix A: EMC Information

GUIDANCE AND MANUFACTURER'S DECLARATION- ELECTROMAGNETIC IMMUNITY:
This device is intended for use in the electromagnetic environment specified below. The user of this device should make sure it is used in such an environment.

Basic EMC standard	Immunity Test Levels HOME HEALTHCARE ENVIRONMENT	Compliance Levels	Electromagnetic Environment-Guidance
Electrostatic Discharge (ESD) IEC61000-4-2	±8kV contact ±15kV air	±8kV contact ±15kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/ burst IEC61000-4-4	±2kV for power supply line ±1kV for input/output line	±2kV for power supply line ±1kV for input/ output line	Mains power quality should be that of a typical commercial or hospital environment
Surge IEC61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 1 kV line(s) to line(s)	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC61000-4-11	Voltage Dips: i) 100% reduction for 0.5 period, ii) 100% reduction for 1 period, iii) 30% reduction for 25/30 period, Voltage Interruptions: 100% reduction for 250/300 period	230V (UT) (1) Voltage Dips: i) 100% reduction for 0.5 period, ii) 100% reduction for 1 period, iii) 30% reduction for 25/30 period, Voltage Interruptions: 100% reduction for 250/300 period	Mains power quality should be that of a typical commercial or hospital environment. If the user of this device requires continued operation during power mains interruptions, it is recommended that the device be powered from an uninterruptible power supply or a battery.
Power frequency (50/60Hz) magnetic field IEC61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Conducted RF IEC 61000-4-6	3 Vrms 0,15 MHz – 80 MHz 6 Vrms in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz (4)	6Vrms	Portable and mobile RF communications equipment should be used no closer to any part of this device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

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Appendix A: EMC Information

Radiated RF EM Fields IEC61000-4-3	10 V/m 80 MHz to 2,7 GHz 80 % AM at 1 kHz 385-6000 MHz, 9-28V/m, 80% AM(1kHz) pulse mode and other modulation	10V/m	Recommended separation distance d=$\sqrt{P}$ 150kHz to 80MHz d=0.6$\sqrt{P}$ 80MHz to 800MHz d=1.2$\sqrt{P}$ 800 MHz to 2.7G Hz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).[b] Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ,[a] should be less than the compliance level in each frequency ranged. Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE 1: UT is the a.c. mains voltage prior to the application of the test level
NOTE 2: At 80 MHz and 800 MHz, the higher frequency range applies.
NOTE 3: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people
NOTE 4:The ISM (industrial, scientific and medical) bands between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz. The amateur radio bandsbetween 0.15 MHz and 80 MHz are 1.8 MHz to 2.0 MHz, 3.5 MHz to 4.0 MHz, 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz,10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99MHz, 28.0 MHz to 29.7 MHz and 50.0 MHz to 54.0 MHz.

a)Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land
mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the device.
b) Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 10 V/m.

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Warranty

LIMITED WARRANTY

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser EOLE DC Powered Support Surface, Model 2871 to be free from defects in material and workmanship for a period of two (2) years for the support surface assembly and the control unit after date of delivery under normal use*. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at this option, any product which is, in the sole discretion of Stryker, found to be effective. If requested by Stryker, products or parts for which a warranty claim is made shall be returned to the factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgment affects the product materially and adversely shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

CONDITIONS AND LIMITATIONS

Stryker Medical's EOLE DC Powered Support Surface, Model 2871 is designed for an expected service life as listed below under normal use conditions, and with appropriate periodic maintenance as described in the operations/maintenance manual for each device.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. **Stryker makes no other warranty or representation, either expressed or implied, except as set forth herein. There is no warranty of merchantability and there are no warranties of fitness for any particular purpose. in no event shall Stryker be liable here under for incidental or consequential damages arising from or in any manner related to sales or use of any such equipment. This warranty does not extend to, nor cover:**

- Normal wear and tear; or
- Damage or product failure due to causes beyond Stryker's control such as, but not limited to abuse, theft, fire, flood, wind , lightning, freezing, clogging of mattress pores due to tobacco smoke, unusual atmosphere conditions, material degradation due to exposure to moisture; or
- Damage to support surface or support surface handles through the use of the support surface for patient transfer or transport.

* Normal use is defined as normal hospital or facility usage. Damages arising from abnormal use such as those caused by needle punctures, burns, chemicals, negligent use or improper care or improper cleaning or staining resulting from it are exempt from warranty coverage.

TO OBTAIN PARTS AND SERVICE

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative or call Stryker Customer Service USA at 1-800-327-0770.

RETURN AUTHORIZATION

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on return merchandise. **Special, modified, or discontinued items not subject to return.**

DAMAGED MERCHANDISE

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. **Do not accept damaged shipments unless such damage is noted on the delivery receipt at the time of receipt.** Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) days period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full. Claims for any short shipment must be made within thirty (30) days of invoice.

INTERNATIONAL WARRANTY CLAUSE

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for extra information.

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