



**IQ MEDICAL CURSA DYNAMIC CUSHION  
USER MANUAL**

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# Contents

<b>General Information</b>	<b>3</b>
A. Introduction	3
B. Symbols Reference	4
C. Safety Precautions	5
D. Warnings	5,6
<b>Quick User Guide</b>	<b>7</b>
<b>Power Unit</b>	<b>8</b>
A. Part Identification Overview	8
B. Setting Up and Switching On the Power Unit	9
<b>Cleaning Instructions</b>	<b>10</b>
<b>Additional Information</b>	<b>11</b>
<b>Troubleshooting</b>	<b>12</b>

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# General Information

## *A. Introduction*

This iQ Medical User Manual includes information on, and instructions for, the iQ Medical CURSA® DYNAMIC Cushion.

The CURSA® DYNAMIC cushion provides an effective, reliable and durable dynamic cushion for individuals at very high risk of developing pressure ulcers in Hospitals, in Community Care facilities, or at Home.

Users should familiarise themselves with the information and instructions in this manual to ensure that the cushion is used safely and effectively to achieve positive outcomes for individuals.

### **Indications:**

The IQM CURSA® DYNAMIC cushion is suitable for individuals assessed to be at 'very high risk' or for treatment of up to category 4 pressure ulcers.

This Pressure Area Care (PAC) device is intended to prevent and treat pressure ulcers by facilitating blood circulation and decreasing pressure at each tissue contact area.

Always consult a Healthcare Professional before using this seating system.

### **Contraindications:**

Certain individual's conditions (e.g. unstable cervical fracture, fracture of unstable vertebrae and unstable vertebrae) are contraindicated for use with this device. Always consult a Healthcare Professional before using this device.

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## B. Symbols Reference



Follow instructions for use



Class II Equipment



Type BF Applied Part



WEEE Logo subject to WEEE Directive 2012/19/EU



Declaration of Conformity to Medical Device Directive



Catalogue number



Caution



Authorized representative in the European Community

IP21

In accordance with the acceptance conditions as required by IEC 60529\_ v2.2:2013



Date of manufacture



Manufacturer Name and Address

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## C. Safety Precautions

### **Installation:**

Verify cushion straps are attached securely to the seat or chair to ensure proper operation. The anti-slip mat will provide additional grip to the majority of seating surfaces. Inspect and verify the air cells are in the correct position. To ensure the safety and operation of the cushion, please inspect and verify all parts are installed and secured properly. **DO NOT** place anything on top of the power unit. Ensure the power cord and power adapter are underneath the chair frame to prevent possible hazards.

### **Linens:**

The cushion incorporates a waterproof cover that is moisture vapour permeable. Therefore, it is recommended to limit additional cover to simple covering loosely placed, to prevent hindering the performance of the cushion.

NOTE: Only “breathable” continence pads are recommended for use with this cushion or the use of fitted pad and pants, where possible.



### **Open Flames:**

Do not expose the cushion to open flames, lighters, or cigarettes. The cushion draws room air continuously, therefore, cigarette smoking is not recommended as it may cause damage to internal components. Cigarettes may ignite bed linens.

**CAUTION: DO NOT SMOKE CIGARETTES, PIPES, CIGARS, OR ANY OTHER RELATED PRODUCTS ON OR AROUND THE CUSHION SYSTEM. FLAMMABILITY HAZARD EXISTS.**

## D. Warnings



### **Cross Contamination:**

The cushion should be decontaminated between individual installations. Failure to disinfect may result in cross contamination and increase the risk of possible infection.



### **Weight Limitation:**

Verify that the individuals weight, therapeutic support surface etc. do not exceed the weight capacity of the chair. Verify the individuals weight does not exceed the cushions weight capacities. Refer to table 1 on page 11.



**Risk of Electric Shock:**

This device should only be opened by qualified personnel approved by iQ Medical. Refer all service requirements to your iQ Medical.



**Oxygen Equipment:**

Explosion risk if used in the presence of flammable aesthetics.

# Quick User Guide

## Cursa<sup>®</sup> Cushion Quick User Guide

### Alternating Air Cushion System

The Cursa Cushion is suitable for Very High Risk Patients.  
The maximum patient weight is 200kg.

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Connect cushion to pump using easy fit connector.
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Place cushion on seat/chair, the cushion has a non-slip pad on base, and securing straps if needed.
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Plug the pump into the mains socket and press the power button on front of the pump.
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When pump has been switched on, select appropriate mode; alternating or static.
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Set to nearest patient weight up to 200kg.
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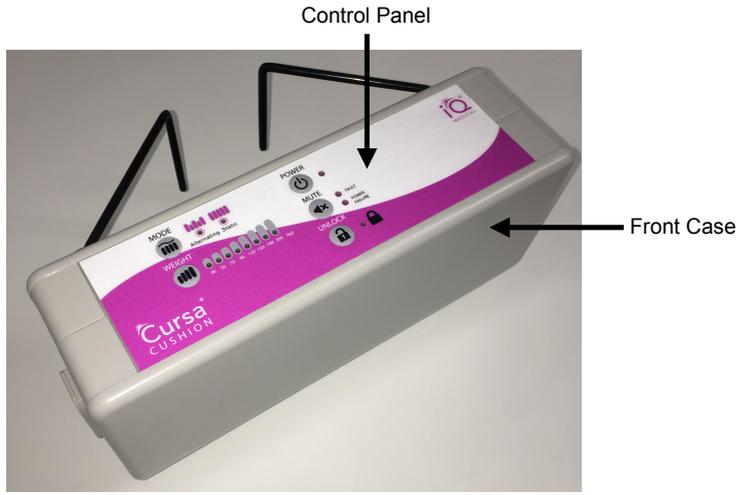
Pump will automatically lock out after 2 minutes to avoid unintentional setting changes. Press and hold unlock button to release the lock.
- 

Audible and visual alarms for Power Failure or Fault can be muted using the mute button.
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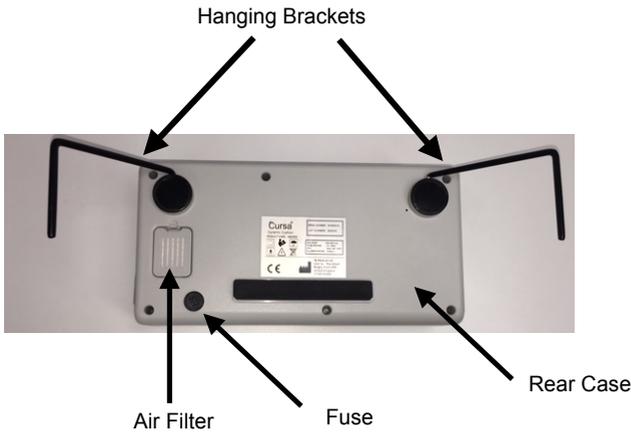
For transport mode or in case of extended power failure, disconnect from pump and secure transport connector.

# Power Unit

## A. Part Identification Overview



**Front**



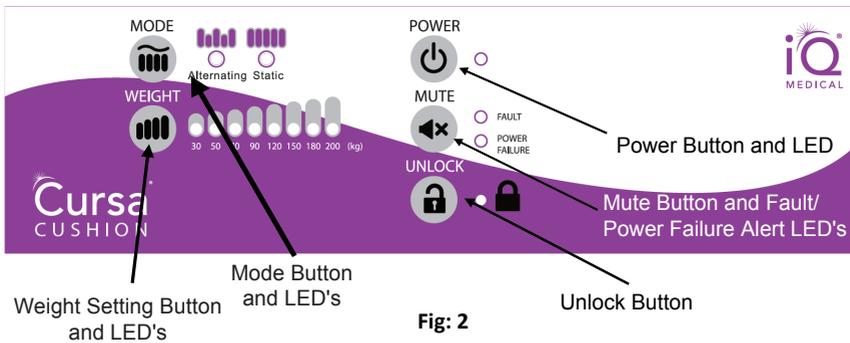
**Back**



**Side**

## B. Setting Up and Switching On the Power Unit

1. Place the pump unit on the arm or back of a chair. Ensure the pump unit is secure.
2. Connect the two-pin connector to the air outlet at the side of the pump.
3. Plug the power cable into the IEC socket on the pump and connect to a mains power supply ensuring that the power is on at the mains outlet.
4. Press the power button on the control panel.
5. The compressor will start, all weight setting LED's will light up and the Alternating mode LED will flash.
6. Once fully inflated, the Alternating mode LED will become constant. The End User can then set the cushion appropriately for individual use.



### Mode

This button allows the user to cycle through two options:

- Alternating: Alternating cells for full pressure relief
- Static: Continuous low pressure for pressure reduction

### Weight Setting

Using the weight setting button, the end user can toggle through the weight LED's until they reach the most appropriate setting for the individual's weight. These settings are in Kilograms (kg) and will adjust the air cell pressure in the cushion to support the individual's weight.

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# Cleaning Instructions

## *Cleaning and Decontamination of IQ Medical's Seating System*

The following guidelines are the recommended cleaning and decontamination instructions for IQ Medical's dynamic pressure relieving seating system.

Note: Before undertaking cleaning, we recommend that you wear suitable protective clothing. Always ensure that the mains power supply to the pump unit has been disconnected from the mains electricity supply before cleaning begins.

### **Cushions**

Remove cushion cover, check for signs of physical damage, staining and delamination. If no such signs, the cover may be wiped down with a disposable soft cloth moistened with a pH neutral detergent diluted in warm water (40°C). For decontamination purposes, the cover may be wiped down with a solution of Sodium Hypochlorite or similar (minimum 1000ppm up to 10,000ppm Chlorine). Wipe down again with cold water and dry thoroughly before use. Alternatively, the cover may be laundered at a recommended temperature of a minimum 71°C (local policies may apply). They can then be tumble dried on a low setting.

The internal air cells may be wiped down using a soft cloth moistened with pH neutral detergent diluted in warm water. For decontamination purposes, wipe down with a solution of Sodium Hypochlorite or similar (minimum 1000ppm up to 10,000ppm Chlorine). Wipe down again with cold water and dry thoroughly before use.

Additional infection control and routine cleaning must be carried out in accordance with your local infection prevention policy or guidelines.

### **Pumps**

The pump may be wiped using a cloth moistened with pH neutral detergent and warm water. For decontamination, follow this procedure by wiping with a cloth impregnated with a solution of Sodium Hypochlorite diluted to 1000 PPM, or equivalent, disinfectant.

DO NOT USE Phenol based cleaning agents (e.g. Stericol, Hycoline, Clearsol etc.), Abrasive Compounds or Cleaning Pads when cleaning mattresses or pumps. If the above washing instructions are not followed the warranty will be invalidated.



**ALWAYS UNPLUG THE POWER UNIT BEFORE CLEANING**



**NEVER SPRAY LIQUIDS DIRECTLY ONTO A POWER UNIT**

# Additional Information

iQ MEDICAL CORE PRODUCT SPECIFICATION	Cursa Dynamic Cushion	Cursa Bariatric
<b>Risk Category</b>	Very High Cat	Very High Cat
<b>Max Patient Weight</b>	200kg	350kg
<b>Cells</b>	10	7
<b>Cell Cycle</b>	1 in 2 (10 minutes)	1 in 2 (10 minutes)
<b>Foam Underlay</b>	*	*
<b>Width (mm)</b>	450	740
<b>Length (mm)</b>	450	510
<b>Depth (mm)</b>	60	80
<b>Weight Setting</b>	✓	*
<b>Comfort Control</b>	*	✓
<b>Multiple Mode (1)</b>	✓	✓
<b>Pump Lockout</b>	✓	*
<b>Power Failure Alarm</b>	✓	✓
<b>Low Pressure Alarm</b>	✓	✓
<b>Pump Failure Alarm</b>	✓	✓
<b>CPR Advanced Emergency Deflation (acute environment)</b>	N/A	N/A
<b>'Breathable' comfort cover</b>	✓	✓
<b>Weight of Product</b>	5kg	5kg

(1) Multiple Mode = Dynamic, Constant Low Pressure, and Maximum Inflate

Please Note all specifications apply to 2017 Product Models

# Troubleshooting

Light indicators	Fault Description	Instruction
Power Failure Light Showing, all other lights are switched off.	Power Failure Alarm	Check power cable is plugged in at mains socket. Check power cable is connected to the pump.
Fault light on, and 1 <sup>st</sup> and last weight setting lights showing as below: 	Initial Inflation Alarm	Check all tubing is connected. Check air cells for punctures. Check compressor output.
Fault light on, and 1 <sup>st</sup> and 2 <sup>nd</sup> weight setting lights showing as below: 	Low Pressure Alarm	Check all tubing is connected. Check air cells for punctures. Check compressor output.
Fault light on, and 4 <sup>th</sup> and 5 <sup>th</sup> weight setting lights showing as below: 	Fault with Motor Gearbox or Rotor Valve	Check motor gearbox and rotor valve for faults.

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