

## Periodic preventive maintenance

### Safety check

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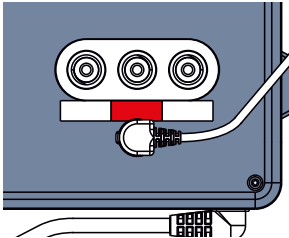

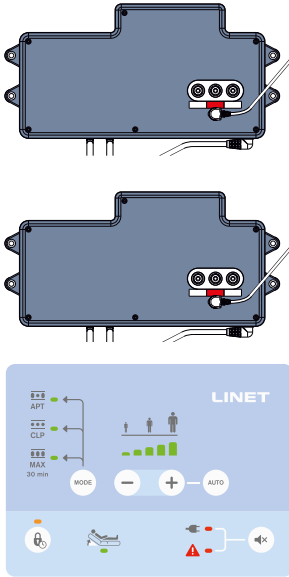



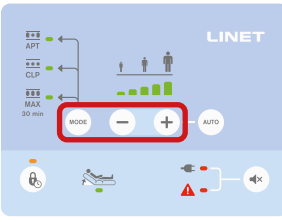
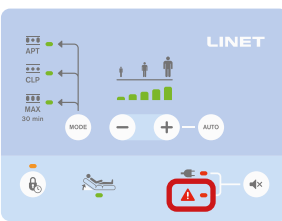
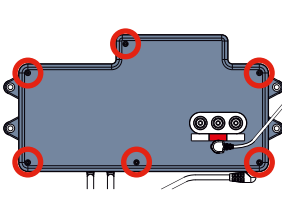




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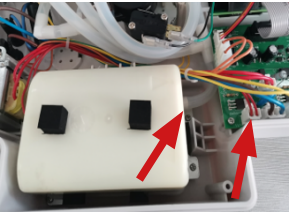

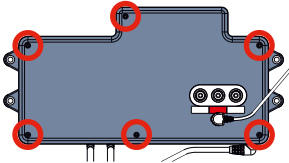
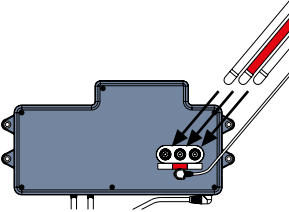
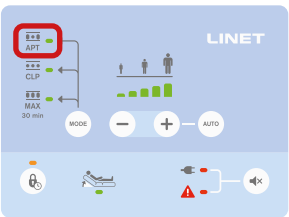
### **Air2Care IN**

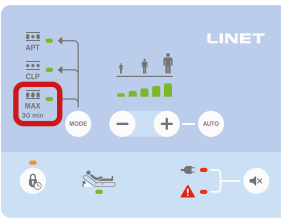
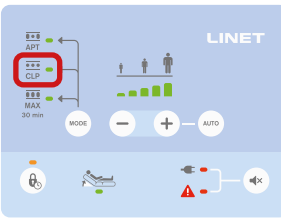
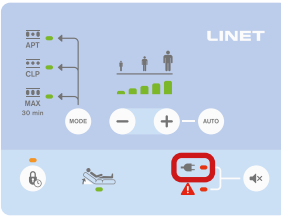
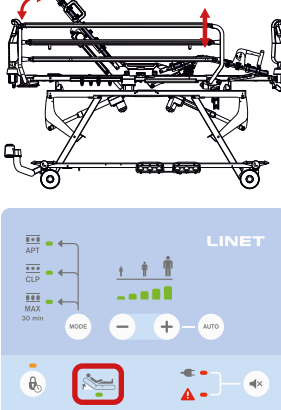

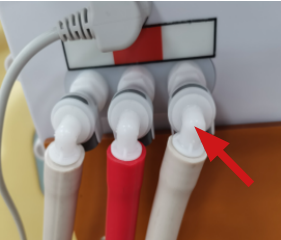
*Integrated Mattress System  
for Essenza 300*

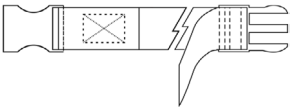

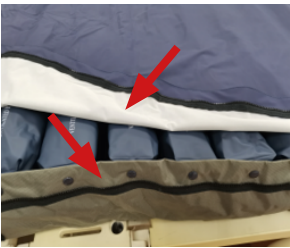
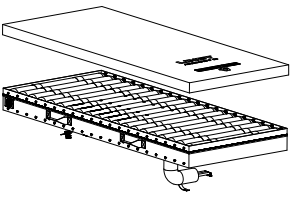

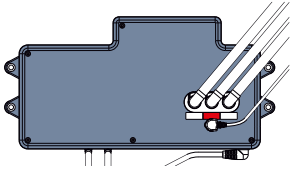




P	Picture	Action	Tools
SCU external		<p><b>Mattress &amp; SCU identification</b></p> <ul style="list-style-type: none"> <li>Write the mattress &amp; SCU <b>serial (SN)</b> and <b>model (REF)</b> number onto the preventive check report</li> </ul>	N/A
SCU external		<p><b>Check color coded label</b></p> <ul style="list-style-type: none"> <li>Inspect if the color labels are placed in between the air valves and the fowler boost connectors</li> </ul>	N/A
SCU external		<p><b>Check mains cable</b></p> <ul style="list-style-type: none"> <li>Visually inspect the electrical mains cable for any signs of damage</li> <li>Replace if necessary</li> </ul>	N/A
SCU external		<p><b>General visual check of SCU</b></p> <ul style="list-style-type: none"> <li>Visually inspect the SCU Housing, Front Panel, Display Membrane, Air Connector, rear rubber anti-vibration strip and filter cover for mechanical damage</li> <li>Replace if necessary</li> </ul>	N/A
SCU external		<p><b>Replace external air filter</b></p> <ul style="list-style-type: none"> <li>Remove and replace the SCU Filter. The filter must be replaced even if it looks visually clean. The filter <b>must be</b> replaced using a genuine LINET replacement part. Ensure that when fitting the replacement filter, it's securely fitted into the filter cover</li> </ul>	N/A

P	Picture	Action	Tools
SCU external		<p><b>Inspect +/- and mode button</b></p> <ul style="list-style-type: none"> <li>• Press the +/- button to manually change the weight output</li> <li>• Press the mode button to determine if different functions can be activated</li> </ul>	N/A
SCU external		<p><b>Check low pressure alarm</b></p> <ul style="list-style-type: none"> <li>• Remove air inlet connector from SCU - low pressure LED alarm should illuminate and sound on</li> </ul>	N/A
SCU external		<p><b>Open the SCU for internal check</b></p> <ul style="list-style-type: none"> <li>• Remove the 6 rear cover screws</li> <li>• Gently lift the front cover to expose the PCB and ribbon cable</li> <li>• Put the front cover aside without disconnecting the Ribbon cable</li> </ul>	Screwdriver
SCU internal		<p><b>Check electrical wiring</b></p> <ul style="list-style-type: none"> <li>• Visually inspect all of the wiring and look for signs of damage</li> <li>• Replace if necessary</li> </ul>	N/A
SCU internal		<p><b>Check electrical plug</b></p> <ul style="list-style-type: none"> <li>• Ensure all the electrical connectors are pushed fully home and are secured</li> </ul>	N/A
SCU internal		<p><b>Check pipes</b></p> <ul style="list-style-type: none"> <li>• Visually inspect all of the pipes for signs of damage and internal dirt / dust</li> <li>• Replace if necessary</li> </ul>	N/A
SCU internal		<p><b>Check fuses</b></p> <ul style="list-style-type: none"> <li>• Visually inspect the 250 V,1 amp fuses</li> <li>• Ensure they are rated at the correct value and positions. The correct fuse position is indicated in the picture in the left</li> </ul>	N/A

P	Picture	Action	Tools
Performance test		<p><b>Check compressor</b></p> <ul style="list-style-type: none"> <li>• Check if the compresor works properly in the correct pressure and LPM</li> </ul>	N/A
SCU internal		<p><b>Check synchronous motor and air distributor</b></p> <ul style="list-style-type: none"> <li>• The air distributor shall not leak, and the microswitch shall work normally</li> </ul>	N/A
SCU internal		<p><b>Close SCU</b></p> <ul style="list-style-type: none"> <li>• Re-fit the front cover, and secure the front cover with the 6 retaining screws</li> </ul>	Screwdriver
Performance test		<p><b>Start-up sequence</b></p> <ul style="list-style-type: none"> <li>• Connect the mattress (use dummy air connectors) to SCU, a beep sound will begin the operation</li> </ul>	N/A
Performance test		<p><b>Pressure and cycle check (APT Mode)</b></p> <ul style="list-style-type: none"> <li>• Ensure all pressures do not drop below 13 mmHg (<math>\pm 3</math> mmHg) during the inflated period and the cells inflate in the correct order during the cycle</li> <li>• The total cycle time for all 2 cells to inflate and deflate is 10/15/20/25 min as selected</li> </ul>	Internal pressure monitor

P	Picture	Action	Tools
Performance test		<p><b>Pressure check (MAX Mode)</b></p> <ul style="list-style-type: none"> <li>Set the SCU to 'MAX' mode - all cells achieve the pressure 40 mmHg (<math>\pm 3</math> mmHg)</li> </ul>	Internal pressure monitor
Performance test		<p><b>Pressure check (CLP Mode)</b></p>	Internal pressure monitor
Performance test		<p><b>Check power-failure alarm</b></p> <ul style="list-style-type: none"> <li>Switched on SCU and remove mains power cable. The power failure alarm should be illuminate and sound on</li> </ul>	N/A
Performance test		<p><b>Check fowler boost sensor</b></p> <ul style="list-style-type: none"> <li>Plug the wire of the fowler boost sensor to the SCU</li> <li>Raise or lay flat the bed, the LED light of seat inflate mode will illuminate</li> <li>Replace the fowler boost sensor if necessary</li> </ul>	N/A
Mattress external		<p><b>Check the umbilical hose cover</b></p> <ul style="list-style-type: none"> <li>Visually inspect the Umbilical Hose cover for signs of damage or deterioration.</li> <li>Replace if necessary</li> </ul>	N/A
Mattress external		<p><b>Check air connector</b></p> <ul style="list-style-type: none"> <li>Visually inspect the Umbilical Air Connector for signs of damage i.e. deterioration, cracking or splitting.</li> <li>Replace if necessary</li> </ul>	N/A

P	Picture	Action	Tools
Mattress external		<p><b>Check security straps</b></p> <ul style="list-style-type: none"> <li>• Visually inspect the Mattress cover security straps for signs of damage or deterioration</li> <li>• Replace if necessary</li> </ul>	N/A
Mattress external		<p><b>Check CPR</b></p> <ul style="list-style-type: none"> <li>• Visually inspect the CPR for signs of damage i.e. deterioration, cracking or splitting. Check if the CPR can be closed tightly or deflate the air normally.</li> <li>• Replace if necessary</li> </ul>	N/A
Mattress external		<p><b>Check mattress top cover and base cover</b></p> <ul style="list-style-type: none"> <li>• Visually inspect top cover and base cover for signs of damage i.e. deterioration, split sewing, including staining of the white inside cover surface.</li> <li>• Un-zip and zip the top and base mattress covers to check if the zipper works properly.</li> <li>• Replace if necessary</li> </ul>	N/A
Mattress internal		<p><b>Check air cells</b></p> <ul style="list-style-type: none"> <li>• Visually inspect the upper and lower layer of air cells for signs of damage or deterioration</li> <li>• Replace if necessary</li> </ul>	N/A
Mattress internal		<p><b>Check pipes</b></p> <ul style="list-style-type: none"> <li>• Visually inspect the pipes and connectors for correct fitting, signs of damage or deterioration.</li> <li>• Re-fit / replace if necessary</li> </ul>	N/A
Label		<p><b>Place the preventive check sticker on the SCU cover</b></p> <ul style="list-style-type: none"> <li>• Place the PPM LINET sticker on the SCU cover and make a note of the date of the next preventative check (1 year)</li> </ul>	
Report		<p><b>Complete the preventive check report</b></p>	Preventive check report

SCU serial number:		SCU model number:	
Mattress serial number:		Mattress model number::	
Customer:		City:	

Operation	Visual Checks ✓	Test Function ✓	Fault Detection	
			YES	NO
<b>External SCU visual Checks / Operation</b>				
Color coded label		N/A		
Mains cable		N/A		
General visual check of SCU		N/A		
External air filter				
+/- and mode buttons				
Low pressure alarm				
<b>Internal SCU visual Checks / Operation</b>				
Electrical wiring		N/A		
Electrical plug		N/A		
Pipes		N/A		
Fuses		N/A		
Compressor		N/A		
Synchronous motor and air distributor				
<b>Performance test</b>				
Start-up sequence				
Pressure and cycle check (APT Mode)				
Pressure check (MAX Mode)				
Pressure check (CLP Mode)				
Power-failure alarm				
Fowler boost sensor				
Umbilical hose cover		N/A		
Air connector				
Mattress security straps				
CPR				
Mattress top cover and base cover				
Mattress air cells				
Mattress pipes				

### Electrical Test (measurement according to the norms in the country)

	Measured	Allowed	Unit
Insulation test		>2.000	MΩ

Replaced spare part number(s) / action made on the mattress:

**Results:** The mattress passed the service inspection and can be returned to use:

YES

needs to be repaired

NO

Date: \_\_\_\_\_

Validity expires on: \_\_\_\_\_

Check done by:	Name:	Signature



**Manufacturer:**

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# LINET

**Air2Care IN**

Integrated Mattress System for Essenza 300

Author: L I N E T spol. s r.o.  
Related links: [www.linet.com](http://www.linet.com)

**D9S10A2CI-0101**

Version: 02  
Date of revision: 2023-03

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