

# FLOWTRON® UNIVERSAL INTERMITTENT PNEUMATIC COMPRESSION SYSTEM

## Summary User Guide

# HUNTLEIGH

*\*The following are guidelines only and should not replace clinical judgement or experience*


















<b>PURPOSE</b>	The purpose of the Flowtron® Universal system is to help protect the at-risk patient against Deep Vein Thrombosis (DVT) or for use as part of the treatment regimen for venous or arterial conditions of the lower limb.
<b>INDICATIONS*</b>	<p><i>All garments:</i></p> <ul style="list-style-type: none"> <li>• Prevention of DVT: <ul style="list-style-type: none"> <li>– Pre-, intra- and post-phases of surgery</li> <li>– When the use of anticoagulant therapy is contraindicated</li> <li>– As an adjunct modality with other methods of DVT prophylaxis (e.g. heparin, warfarin) for high risk patients</li> <li>– Periods of prolonged immobility</li> <li>– Paralysed limbs</li> </ul> </li> <li>• Prevention of venous stasis</li> </ul> <p><i>Foot garments only:</i></p> <ul style="list-style-type: none"> <li>• Enhancement of venous and arterial circulation</li> <li>• Reduction of acute and chronic oedema</li> <li>• Assistance in the healing of cutaneous ulcers including venous ulcers</li> <li>• Reduction of lower limb pain due to trauma or surgery</li> <li>• Reduction of compartment pressures</li> </ul>
<b>CONTRAINDICATIONS*</b>	<p>The Flowtron Universal system should not be used in the following conditions:</p> <ul style="list-style-type: none"> <li>• Severe arteriosclerosis or other ischaemic vascular diseases</li> <li>• Known or suspected acute DVT or phlebitis</li> <li>• Severe congestive cardiac failure or any condition where an increase of fluid to the heart may be detrimental</li> <li>• Pulmonary embolism</li> <li>• Any local condition in which the garments would interfere, including gangrene, recent skin graft, dermatitis or untreated, infected leg wounds</li> </ul> <p>If you are unsure of any contraindications refer to the patient's physician before using the device.</p>
<b>CAUTIONS</b>	<ul style="list-style-type: none"> <li>• Garments should be removed immediately if the patient experiences tingling, numbness or pain</li> <li>• When used for DVT prophylaxis continuous use is recommended and any interruption of therapy for a substantial length of time should be at the discretion of the physician</li> <li>• Patients should be instructed not to stand or walk with the foot garments on</li> </ul>
<b>SAFETY</b>	<ul style="list-style-type: none"> <li>• Regularly check the system when in use for pump operation and garment fit</li> <li>• Keep the pump away from sources of liquid</li> <li>• Do not expose the system, especially the garments, to naked flames, such as cigarettes etc</li> <li>• Do not store the system in direct sunlight</li> </ul>
<b>CLEANING</b>	<ul style="list-style-type: none"> <li>• To clean the pump use a soft cloth dampened with detergent and water</li> <li>• Disinfect after cleaning using NaDCC solution 1000 ppm</li> <li>• Hypocarbonate and phenolic based cleaning solutions should not be used. The pump cannot be sterilised</li> <li>• The garments are <i>Single Patient Use</i>. Cleaning and reuse of the garments is not recommended</li> </ul>

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## Controls, Indicators & Alarms

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RUN/STANDBY SWITCH	Starts and stops delivery of therapy.																									
SETTING ADJUSTMENT	<p>The pump is configured to give the recommended therapy for each garment type and does not require any setting by the clinician or nurse.</p> <p>The inflation settings for calf and thigh garments are: Pressure 40mmHg, Inflation hold 12½ seconds, Inflation cycle 60 seconds.</p> <p>The inflation settings for the foot garments are: Pressure 130mmHg, Inflation hold 3 seconds, Inflation cycle 30 seconds.</p>																									
SINGLE GARMENT USE	<p>When the pump is in standby, connect the garment to either tubing outlet. The display will confirm that only one garment is connected.</p> <p>Press and hold the run/standby button.</p>																									
ALARMS	<p>The pump features audible and visual alarms. If a problem occurs, the system will sense the fault and flash a message on the display.</p> <p>If the same fault continues for 10 successive inflations, the audible alarm will sound and a flashing message will remain on the display until corrective action is completed.</p> <table><tr><th>Display</th><th>Problem</th><th>Corrective Action</th></tr><tr><td> Lo</td><td>Garment leak</td><td>Garment leak</td><td>Check garment and replace if faulty</td></tr><tr><td> Lo</td><td>Garment unplugged</td><td>Garment disconnected</td><td>Check and reconnect</td></tr><tr><td> Lo</td><td>Garment loosened</td><td>Foot garment has come off patient during use</td><td>Re-apply foot garment to patient</td></tr><tr><td> Hi</td><td>Tube kinked</td><td>Pump hose kinked causing a blocked tube</td><td>Check pump hoses for kinks and obstructions</td></tr><tr><td> F</td><td>Pump fault</td><td>Pump failure</td><td>DO NOT USE PUMP. Refer to service</td></tr></table>			Display	Problem	Corrective Action	 Lo	Garment leak	Garment leak	Check garment and replace if faulty	 Lo	Garment unplugged	Garment disconnected	Check and reconnect	 Lo	Garment loosened	Foot garment has come off patient during use	Re-apply foot garment to patient	 Hi	Tube kinked	Pump hose kinked causing a blocked tube	Check pump hoses for kinks and obstructions	 F	Pump fault	Pump failure	DO NOT USE PUMP. Refer to service
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ALARM CANCEL	<p>After a fault has been corrected, the alarm can be cancelled by two methods:</p> <ol style="list-style-type: none"><li>1. Press the run/standby button twice, or until the green power indicators are lit and the pump is running.</li><li>2. Allow the pump to run until it senses a normal inflation. It will then reset itself (in the case of Lo and Hi alarms).</li></ol>																									

*N.B. For further details refer to the Pump User Manual.*

For further assistance please contact: **01582 745777**

During office hours  
(9am – 5pm, Mon – Fri)  
**08457 342000**  
Outside office hours